



minitools®

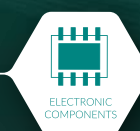
Infotainment parts pioneers

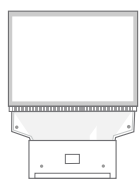


CATALOG 2019

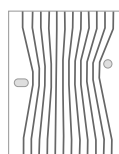
TOOLS AND ELECTRONIC
SPARE PARTS FOR CARS

Strumenti e ricambi per
l'elettronica di bordo dell'auto

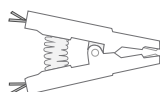




- PAG.2**
Display LCD per
quadri strumenti
Dashboards' LCD displays



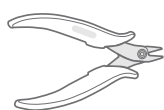
- PAG.28**
Flat di ricambio per
quadri strumenti
Replacement flat cables
for dashboards



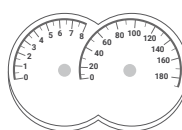
- PAG.40**
Pinze di test e adattatori
IC test clips and adapters



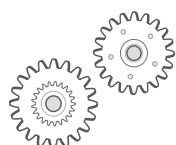
- PAG.53**
Adattatori per diagnosi
Diagnostic adapters



- PAG.55**
Attrezzatura per riparazione
Repair tools



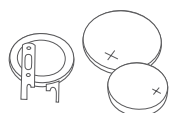
- PAG.64**
Ricambi per contachilometri
Dashboards' spare parts
Pag.66 Juken Swiss Technology



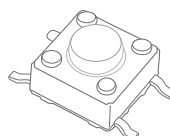
- PAG.77**
Ingranaggi per
contachilometri
Automotive gears



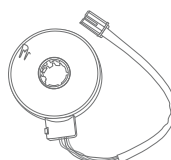
- PAG.84**
Cover chiavi e gommini
Key covers and rubbers



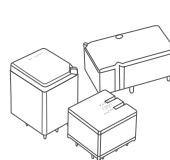
- PAG.88**
Batterie
Batteries



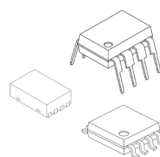
- PAG.89**
Pulsanti e micropulsanti
Switches and microswitches



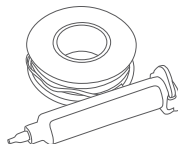
- PAG.91**
Strumenti e ricambi per
idroguida
Power steering parts and tools



- PAG.97**
Relè per la riparazione
dell'elettronica dell'auto
Relays for automotive
electronic repair



- PAG.104**
Componenti elettronici
Electronic components



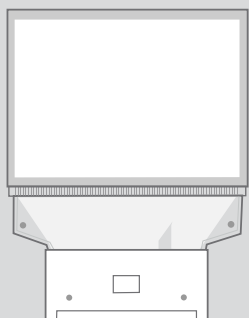
- PAG.116**
Attrezzature
Equipments

pag.117/119

Modulo d'ordine
Order form

pag.118/120

Condizioni generali di vendita
General sale conditions



Display LCD per quadri strumenti

Dashboards'
LCD displays

Display LCD di ricambio per
contachilometri e quadri
strumenti.

Adattabili a quadri strumenti
e contachilometri di diverse
case automobilistiche (Audi,
Alfa Romeo, Bmw, Fiat,
Peugeot, Mercedes, Renault,
Volkswagen, ecc) sostituiscono
il display difettoso risolvendo
alcuni problemi dell'originale
quali ad esempio: display
illeggibile, poco contrasto, pixel
malfunzionanti o danneggiati,
immagine ribaltata, ecc.

*Replacement LCD display
for digital speedometers
and instrument clusters.
Adaptable to instrument
clusters of different brands
(Audi, Alfa Romeo, Bmw,
Fiat, Peugeot, Mercedes,
Renault, Volkswagen, etc.),
they can replace the defective
LCD display solving some
problems of the original,
such as: missing screen pixel,
unreadable display, dead pixel,
low contrast, swapped image,
illumination failure, etc.*

LCD display for Alfa Romeo 166 dashboards



SEPDISP01

Display LCD, con flat, adattabile
a quadri strumenti **ALFA ROMEO
166** MAGNETI MARELLI.
Non si salda sulla scheda,
ma si inserisce ad incastro
nell'apposito connettore.

Dimensioni: 43x27mm.

Adaptable LCD display with flat
to **ALFA ROMEO 166** MAGNETI
MARELLI dashboards.
It does not need to be soldered,
but inserted in the connector on
the board.

Size: 43x27mm.

LCD display for Bmw E-38/E-39/E-53 dashboards



SEPDISP02 (no flat)



SEPDISP02F (with flat)

Display LCD adattabile ai quadri
strumenti:

- **BMW Serie 5 (E-39);**
- **BMW Serie 7 (E-38);**
- **BMW X5 (E-53).**

Versioni con o senza flat con
contatti in carbonio.

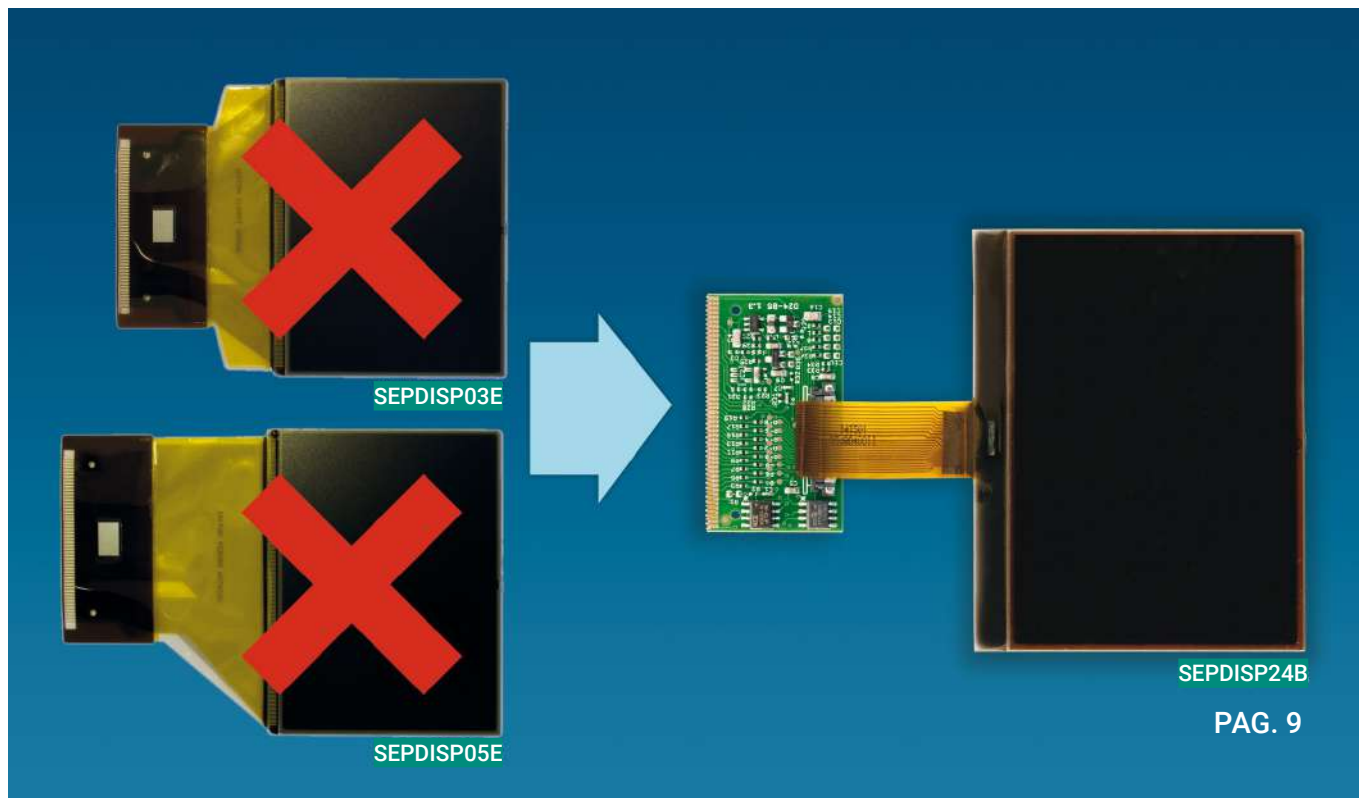
Dimensioni: 170x29mm.

Adaptable LCD display to:

- **BMW 5-Series (E-39);**
- **BMW 7-Series (E-38);**
- **BMW X5 (E-53).**

It can be provided with or without
flat with carbon contacts.

Size: 170x29mm.



LCD display for Alfa Romeo 156 Infocenter / Alfa Romeo 147 Radionavigation System

SEPDISP04



Display LCD 192x80 pixel, completo di flat, adattabile a:

- Infocenter **ALFA ROMEO 156** (modelli fino al 2005);
- Autoradio Navigatore per **ALFA ROMEO 147**.

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 108x55mm.

Adaptable LCD display 192x80 pixel with flat to:

- **ALFA ROMEO 156** Infocenter (models up to 2005);
- **ALFA ROMEO 147** Radionavigation System.

It does not need to be soldered, but inserted in the connector on the board.

Size: 108x55mm.

LCD display for Mercedes W203 and AMG W203 dashboards

SEPDISP06



Display LCD 156x64 pixel, completo di flat, adattabile a quadri strumenti **MERCEDES W203** e **AMG W203** (modelli fino al 2004). Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 97x50mm.

Adaptable LCD display 156x64 pixel with flat to **MERCEDES W203** and **AMG W203** dashboards (models up to 2004). It does not need to be soldered, but inserted in the connector on the board.

Size: 97x50mm.

LCD display for Mercedes C/G Class dashboards



SEPDISP07

Display LCD 64x162 pixel, completo di flat, adattabile a quadri strumenti:

- **MERCEDES Classe C** (modelli dal 2004 al 2007);
- **MERCEDES Classe G** (modelli dal 2007 al 2012).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 50x97mm.

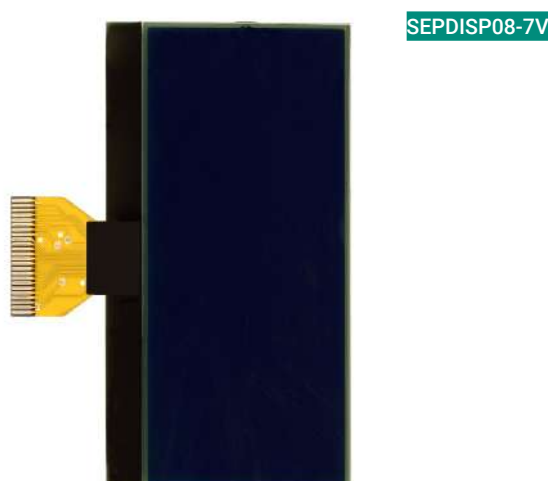
Adaptable LCD display 64x162 pixel with flat to:

- **MERCEDES C Class** dashboards (from 2004 to 2007 models);
- **MERCEDES G Class** dashboards (from 2007 to 2012 models).

It does not need to be soldered, but inserted in the connector on the board.

Size: 50x97mm.

LCD display for Mercedes A/B Class dashboards



SEPDISP08-7V

Display LCD 64x164 pixel, completo di flat, adattabile a quadri strumenti **MERCEDES Classe A/B** (modelli dal 2004 in poi). Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 50x97mm.

Adaptable LCD display 64x164 pixel with flat to **MERCEDES A/B Class** dashboards (from 2004 models).

It does not need to be soldered, but inserted in the connector on the board.

Size: 50x97mm.

LCD display for Audi A3/A4/A6/TT Jaeger dashboards



SEPDISP09

Display LCD 64x38 pixel, completo di flat, adattabile a quadri strumenti:

- **AUDI A3 JAEGER** (modelli fino al 2003);
- **AUDI A4 JAEGER** (modelli fino al 2001);
- **AUDI A6 JAEGER** (modelli fino al 2004);
- **AUDI TT JAEGER** (modelli fino al 2006).

Il SEPDISP09 è composto dal display LCD unito al flat da saldare (con stagno) al circuito.

Dimensioni: 63x38mm.

Adaptable LCD display 64x38 pixel with flat to the following dashboards:

- **AUDI A3 JAEGER** (until 2003 models);
- **AUDI A4 JAEGER** (until 2001 models);
- **AUDI A6 JAEGER** (until 2004 models);
- **AUDI TT JAEGER** (until 2006 models).

The SEPDISP09 is composed by the LCD display and the flat that must be soldered to the motherboard.

Size: 63x38mm.

LCD display for Volkswagen Golf V / Touran / Passat, Seat and Skoda dashboards



SEPDISP10

Display LCD 116x80 pixel, completo di flat, adattabile a quadri strumenti:

- **VOLKSWAGEN GOLF V/ PASSAT/TOURAN** (modelli VDO dopo il 2003);
- **SEAT** (alcuni modelli dopo il 2003);
- **SKODA** (alcuni modelli dopo il 2003).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 63x49mm.

Adaptable LCD display 116x80 pixel with flat to the following dashboards:

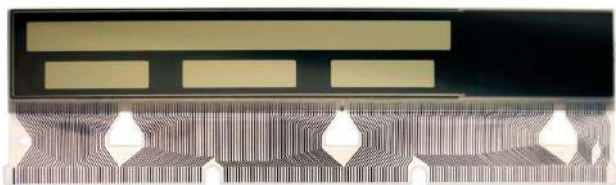
- **VOLKSWAGEN GOLF V/ PASSAT/TOURAN** (VDO models after 2003);
- **SEAT** (some models after 2003);
- **SKODA** (some models after 2003).

It does not need to be soldered, but inserted in the connector on the board.

Size: 63x49mm.

LCD display for Range Rover dashboards

SEPDISP11



Display LCD, completo di flat, adattabile a quadri strumenti **RANGE ROVER** (modelli dal 2002 al 2005).

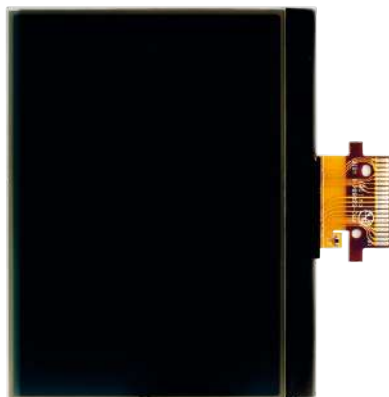
Dimensioni: 170x29mm.

Adaptable LCD display with flat to **RANGE ROVER** dashboards (from 2002 to 2005 models).

Size: 170x29mm.

LCD display for Volkswagen Golf V / Touran / Passat and Seat dashboards

SEPDISP12



Display LCD 120x176 pixel, completo di flat, adattabile a quadri strumenti:

- **VOLKSWAGEN GOLF V/ TOURAN/PASSAT** (modelli VDO dopo il 2003);
- **SEAT** (alcuni modelli dopo il 2004).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 67x85mm.

Adaptable LCD display 120x176 pixel with flat to the following dashboards:

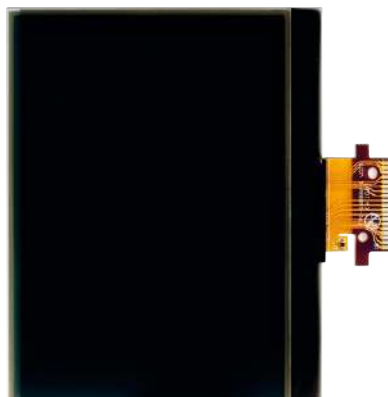
- **VOLKSWAGEN GOLF V/ TOURAN/PASSAT** (VDO models after 2003);
- **SEAT** (some models after 2004).

It does not need to be soldered, but inserted in the connector on the board.

Size: 67x85mm.

LCD display for Skoda Octavia and Volkswagen Passat dashboards

SEPDISP12B



Display LCD 120x176 pixel, completo di flat, adattabile a quadri strumenti:

- **SKODA OCTAVIA** (modelli dopo il 2004);
- **VOLKSWAGEN PASSAT** (modelli VDO dopo il 2005).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 67x85mm.

Adaptable LCD display 120x176 pixel with flat to the following dashboards:

- **SKODA OCTAVIA** (models after 2004);
- **VOLKSWAGEN PASSAT** (VDO models after 2005).

It does not need to be soldered, but inserted in the connector on the board.

Size: 67x85mm.

SEPDISP12: 2,00 mm spessore / thickness



SEPDISP12B: 3,50 mm spessore / thickness



NOTA

Per distinguere il **SEPDISP12** dal **SEPDISP12B** è necessario verificarne lo spessore (vedi foto a sinistra).

NOTE

To understand what's the right display (**SEPDISP12** or **SEPDISP12B**) you must verify its thickness (see picture on the left).

SEPDISP13



LCD display for Peugeot 407 dashboards

Display LCD 64x98 pixel, completo di flat, adattabile a quadri strumenti **PEUGEOT 407**. Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 48x57mm.

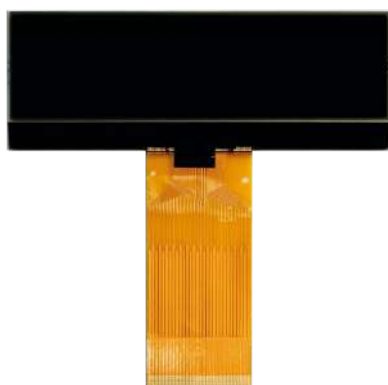
Adaptable LCD display 64x98 pixel with flat to **PEUGEOT 407** dashboards. It does not need to be soldered, but inserted in the connector on the board.

Size: 48x57mm.

NOTA: E' molto importante **misurare la distanza** dal flat al bordo inferiore del display per identificarlo correttamente.

NOTE: It's very important to **measure the distance** between the flat and the bottom of the LCD to correctly identify the display.

LCD display for Renault Modus dashboards



SEPDISP14

Display LCD lato destro 212x52 pixel, completo di flat, adattabile ai contachilometri **RENAULT MODUS**. Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 112x41mm.

Adaptable LCD right side display 212x52 pixel with flat to **RENAULT MODUS** dashboards. It does not need to be soldered, but inserted in the connector on the board.

Size: 112x41mm.

LCD display + flat for Saab 9.3-9.5 SID Infocenter



SEPDISP16

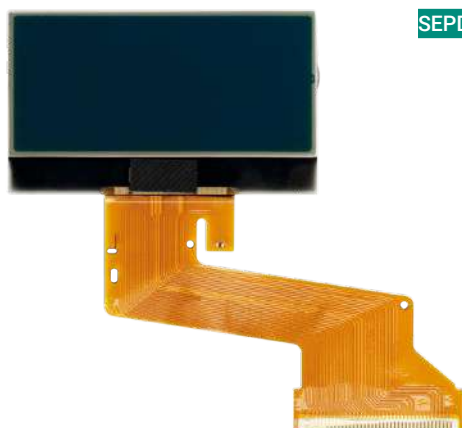
Display LCD, completo di flat, adattabile a Infocenter **SAAB 9.3-9.5** SID1-SID2-SID3 (modelli dal 1998 al 2002).

Dimensioni: 152x34mm.

Adaptable LCD display with flat to **SAAB 9.3-9.5** SID1-SID2-SID3 Infocenter (models from 1998 to 2002).

Size: 152x34mm.

LCD display for Mercedes Viano/Vito dashboards



SEPDISP17B

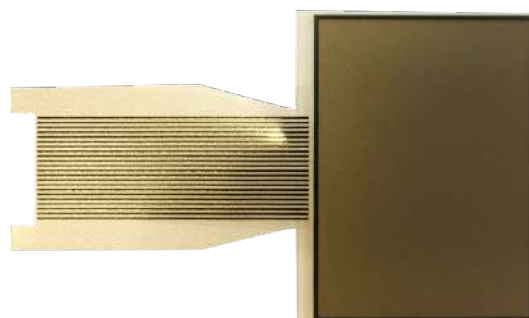
Display LCD 156x64 pixel adattabile a contachilometri **MERCEDES VIANO / VITO** (modelli dal 2004 in poi). Il SEPDISP17B è composto dal display LCD unito al flat da saldare (con stagno) al circuito.

Dimensioni: 66x39mm.

Adaptable LCD display 156x64 pixel to **MERCEDES VIANO / VITO** dashboards (models from 2004). The SEPDISP17B is composed by the LCD display and the flat that must be soldered to the motherboard.

Size: 66x39mm.

Display + flat for Saab 9.3 ACC



SEPDISP18

Display LCD, completo di flat, adattabile per modulo aria condizionata ACC **SAAB 9.3** (modelli fino al 2003).

Dimensioni: 50x65mm.

Adaptable LCD display with flat to **SAAB 9.3** ACC climate control unit (until 2003 models).

Size: 50x65mm.

LCD displays for Mercedes C/E/CLK/SLK Class dashboards

Display LCD, completo di flat, adattabile ai seguenti quadri strumenti VDO:

- **MERCEDES Classe C W202** (modelli dal 1997 al 2001);
- **MERCEDES Classe E W210** (modelli dal 1995 al 2003);
- **MERCEDES Classe CLK W208** (modelli dal 1997 al 2003);
- **MERCEDES Classe SLK R170** (modelli dal 1996 al 2004).

I contachilometri Mercedes dei modelli di auto sopra elencati utilizzano diversi tipi di display LCD generalmente abbinati tra di loro a gruppi di tre.

Per identificare l'esatta configurazione è necessario, nella maggior parte dei casi, riconoscere il display centrale e, successivamente, i due display laterali.

LCD display, with flat, adaptable to the following VDO dashboards:

- **MERCEDES C Class W202** (models from 1997 to 2001);
- **MERCEDES E Class W210** (models from 1995 to 2003);
- **MERCEDES CLK Class W208** (models from 1997 to 2003);
- **MERCEDES SLK Class R170** (models from 1996 to 2004).

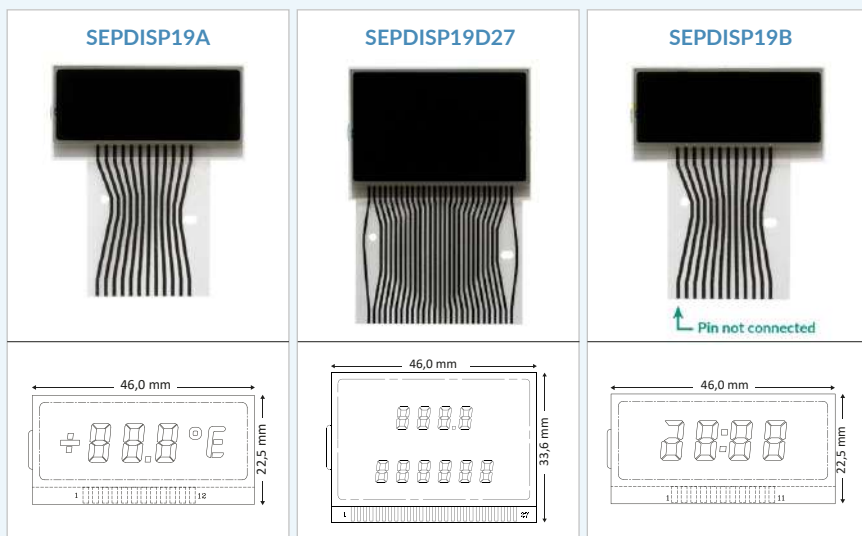
Dashboards on the Mercedes car models listed above use several types of LCD display. These are generally clustered in groups of three.

To establish the correct configuration, you will usually need to identify the central display and then the two side displays.

DI SEGUITO ALCUNE DELLE CONFIGURAZIONI DI DISPLAY PIÙ FREQUENTI:

SOME OF THE MOST COMMON DISPLAY CONFIGURATIONS ARE SHOWN BELOW:

CONFIGURAZIONE #1 / CONFIGURATION #1



SEPDISP19A - SEPDISP19D27 - SEPDISP19B

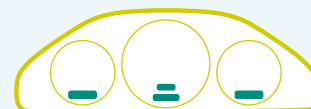
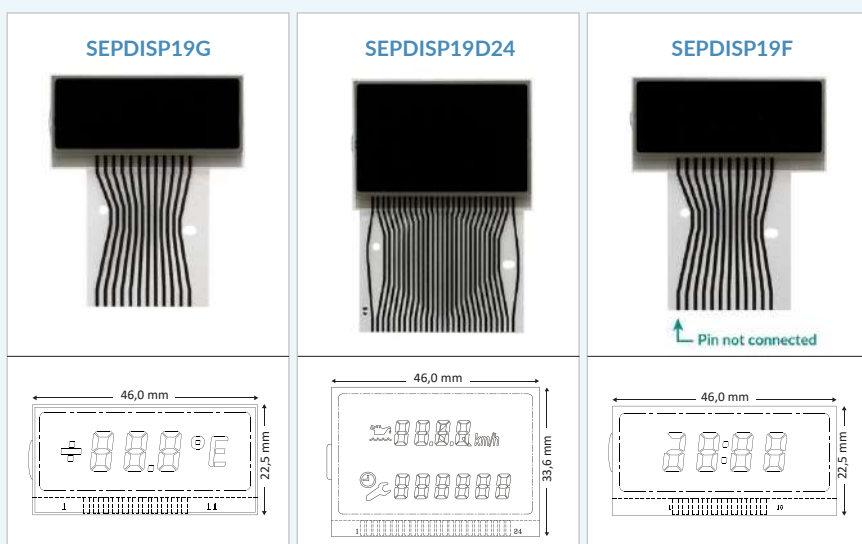
Il modello maggiormente riconoscibile è il SEPDISP19D27. Questo display indica solo i km parziali e totali senza nessun altro simbolo. Con questa configurazione, nella maggior parte dei casi, i due display laterali sono i modelli SEPDISP19A e SEPDISP19B.

NOTA: il circuito stampato su cui va collegato il SEPDISP19B display ha una pista in meno rispetto al flat del display, quindi il pin da non collegare è il primo a sinistra (vedi foto SEPDISP19B).

The most recognizable model is SEPDISP19D27. It only shows trip and total kilometres without any other symbol. In this configuration, the two side display models are usually SEPDISP19A and SEPDISP19B.

NOTE: because the main board to which the SEPDISP19B display is soldered has 1 pin less than the display's flat, the first pin on the left must be left empty (see picture SEPDISP19B).

CONFIGURAZIONE #2 / CONFIGURATION #2



SEPDISP19G - SEPDISP19D24 - SEPDISP19F

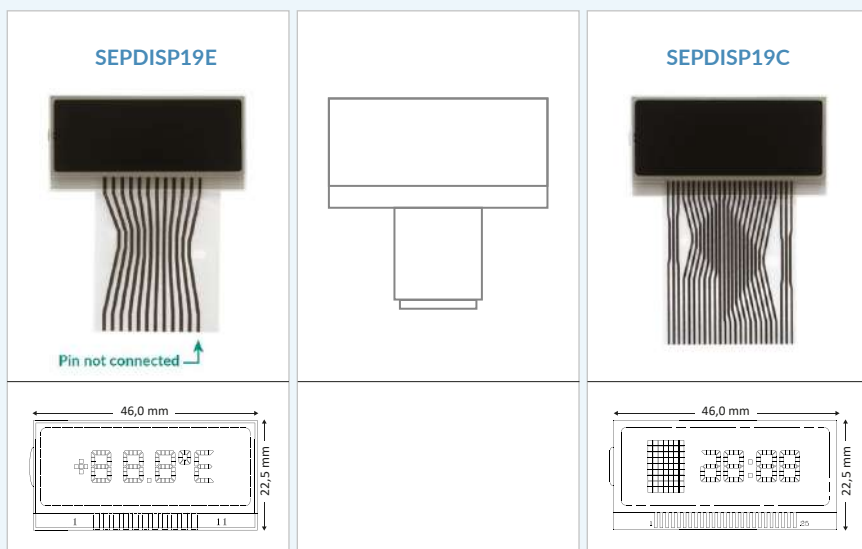
Il modello maggiormente riconoscibile è il SEPDISP19D24 che indica i km parziali e totali e alcune spie, quali olio, service ecc. Con questa configurazione, nella maggior parte dei casi, i due display laterali sono i modelli SEPDISP19G e SEPDISP19F.

NOTA: il circuito stampato su cui va collegato il SEPDISP19F ha una pista in meno rispetto al flat del display, quindi il pin da non collegare è il primo a sinistra (vedi foto SEPDISP19F).

The most recognizable model is SEPDISP19F. This shows total and trip kilometres and some other warning lights such as oil level, service and so on. In this configuration, the two side display models are usually SEPDISP19G and SEPDISP19F.

NOTE: because the main board to which the SEPDISP19F display is soldered has 1 pin less than the display's flat, the first pin on the left must be left empty (see SEPDISP19F photo).

CONFIGURAZIONE #3 / CONFIGURATION #3



SEPDISP19E - SEPDISP19C

Il quadro presenta un display centrale a incastro (con tecnologia COG) che non ha difetti noti, più i due display laterali.

Tra i due laterali, il più riconoscibile è il modello SEPDISP19C che indica, nella parte a sinistra, la marcia in uso con il cambio automatico dell'auto.

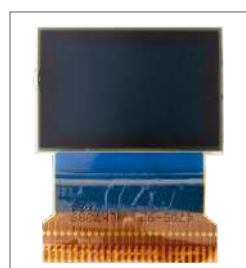
NOTA: il circuito stampato su cui va collegato il SEPDISP19E ha una pista in meno rispetto al flat del display, quindi il pin da non collegare è il primo a destra (vedi foto SEPDISP19E).

This dashboard features one embedded central display (with COG technology) that is not affected by any reported problems, and 2 side displays.

The most recognizable of the two side displays is the SEPDISP19C. The left side shows the currently engaged automatic transmission gear.

NOTE: Because the main board to which the SEPDISP19E display is soldered has 1 pin less than the display's flat, the first pin on the right must be left empty (see SEPDISP19E photo).

LCD display for Audi A2/A3/A4/A6, Ford Galaxy, Volkswagen Passat/Golf 4, Seat and Skoda dashboards



Display originale
Original display



Pin 1

Pin 26

SEPDISP20

Display LCD 64x38 pixel, completo di flat a 26 pin, adattabile ai quadri strumenti:

- **AUDI A2/A3/A4/A6** (modelli VDO fino al 2003);
- **FORD GALAXY** (modelli VDO fino al 2005);
- **VOLKSWAGEN PASSAT e GOLF 4** (modelli VDO fino al 2003);
- **SEAT** (alcuni modelli VDO fino al 2004);
- **SKODA** (alcuni modelli VDO fino al 2004).

Il SEPDISP20 è composto dal display LCD unito al flat da saldare (con stagno) al circuito.

Dimensioni: 56x45mm.

Adaptable LCD display 64x38 pixel, with a 26 pin flat, to the following dashboards:

- **AUDI A2/A3/A4/A6** (VDO models until 2003);
- **FORD GALAXY** (VDO models until 2005);
- **VOLKSWAGEN PASSAT and GOLF 4** (VDO models until 2003);
- **SEAT** (some VDO models until 2004);
- **SKODA** (some VDO models until 2004).

The SEPDISP20 is composed by the LCD display and the flat that must be soldered to the mother board.

Size: 56x45mm.

LCD display for Mercedes SLK dashboards



SEPDISP21B

Display LCD 95x58 pixel, completo di flat, adattabile a quadri strumenti **MERCEDES SLK R171** (modelli dal 2004 al 2011). Posizionato nella parte inferiore del quadro strumenti.

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 59x44mm.

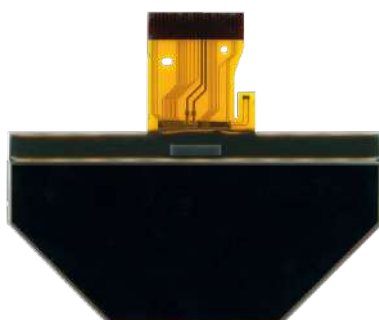
Adaptable LCD display 95x58 pixel, with flat, to **MERCEDES SLK R171** dashboards (models from 2004 to 2011).

Positioned in the lower part of the dashboard.

It does not need to be soldered, but inserted in the connector on the board.

Size: 59x44mm.

LCD display for Mercedes SLK dashboards



SEPDISP30

Display LCD 156x67 pixel, completo di flat, adattabile a quadri strumenti **MERCEDES SLK R171** (modelli dal 2004 al 2011). Posizionato nella parte centrale superiore del quadro strumenti.

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 97,5x50mm.

Adaptable LCD display 156x67 pixel, with flat, to **MERCEDES SLK R171** (models from 2004 to 2011) dashboards.

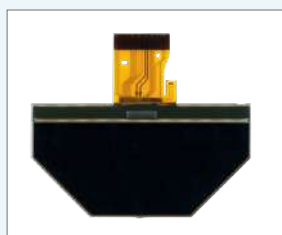
Positioned on the upper, central part of the dashboard.

It does not need to be soldered, but inserted in the connector on the board.

Size: 97,5x50mm.

Set of displays for Mercedes SLK dashboards

SEPDISPKIT-21B-30



SEPDISP30

+



SEPDISP21B

Kit composto da 2 display LCD, completi di flat, adattabili ai quadri strumenti **MERCEDES SLK R171** (modelli dal 2004 al 2011).

Il kit comprende:

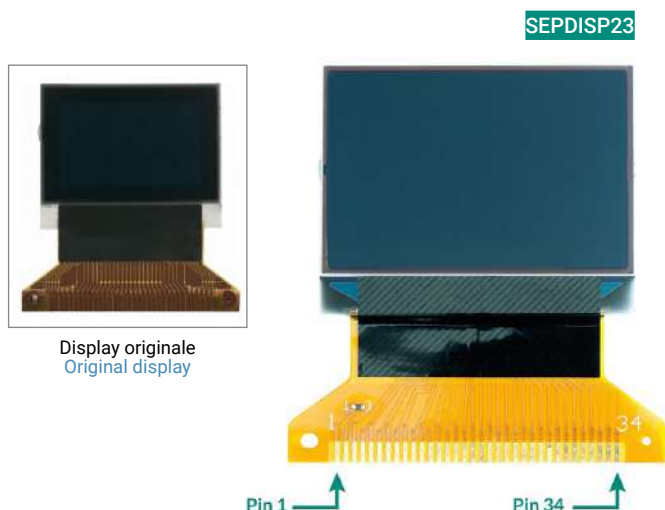
- 1 pz SEPDISP21B (display posizionato nella parte centrale inferiore);
- 1 pz SEPDISP30 (display posizionato nella parte centrale superiore).

Set of 2 LCD displays, with flat, adaptable to **MERCEDES SLK R171** (models from 2004 to 2011) instrument clusters.

The set includes:

- 1 pc SEPDISP21B (positioned on the lower, central part of the dashboard);
- 1 pc SEPDISP30 (positioned on the upper, central part of the dashboard).

Display for Audi A2/A3/A4/A6, Volkswagen Passat/Golf 4, Seat and Skoda dashboards



Display LCD 64x40 pixel, completo di flat a 34 pin, adattabile ai quadri strumenti:

- **AUDI A2/A3/A4/A6** (VDO fino al 2003);
- **SEAT** (alcuni modelli VDO fino al 2004);
- **SKODA** (alcuni modelli VDO fino al 2004);
- **VOLKSWAGEN PASSAT e GOLF 4** (VDO fino al 2003).

Il SEPDISP23 è composto dal display lcd unito al flat da saldare (con stagno) al circuito.

Dimensioni: 56x45mm.

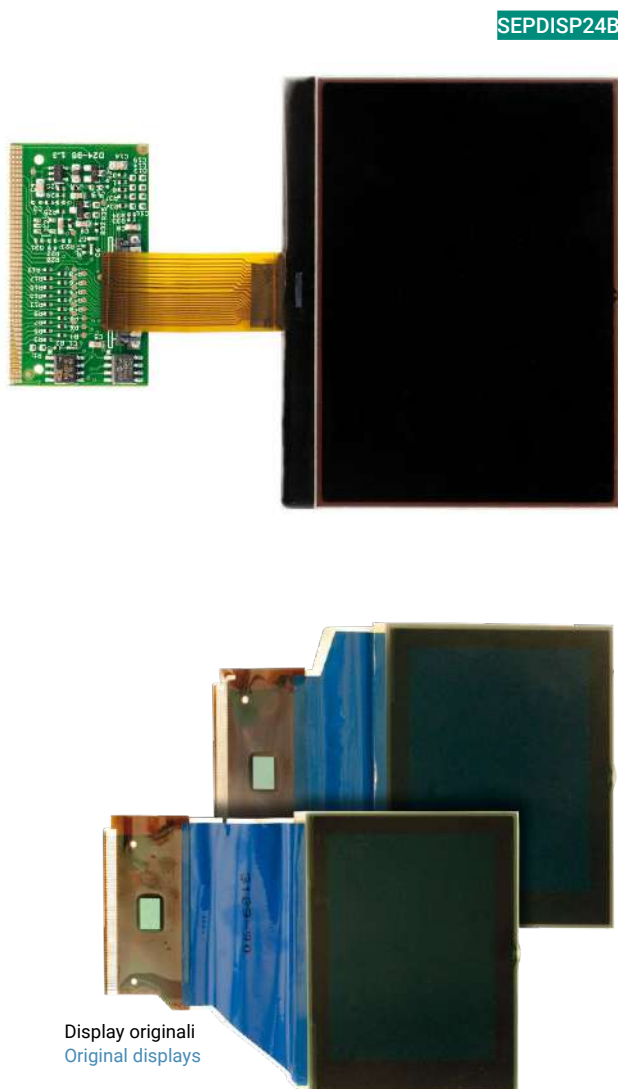
Adaptable LCD display 64x40 pixel, with a 34 pin flat, to the following dashboards:

- **AUDI A2/A3/A4/A6** (VDO models until 2003);
- **SEAT** (some VDO models until 2004);
- **SKODA** (some VDO models until 2004);
- **VOLKSWAGEN PASSAT and GOLF 4** (VDO models until 2003).

The SEPDISP23 is composed by the LCD display and the flat that must be soldered to the mother board.

Size: 56x45mm

Display for Jaeger/Magneti Marelli and VDO dashboards for Audi, Ford, Volkswagen, Seat and Skoda



Kit display LCD 64x88 pixel + PCB, adattabile a tutti i contaghiometri JAEGER /MAGNETI MARELLI e VDO, tra cui:

- **AUDI A3/A4/A6 JAEGER** (fino al 2003);
- **AUDI TT JAEGER** (fino al 2005);
- **AUDI A2/A6 VDO** (fino al 2004);
- **AUDI A3/A4 VDO** (fino al 2003);
- **FORD Galaxy** (fino al 2005);
- **VOLKSWAGEN Golf IV/Passat/Bora/Sharan VDO** (fino al 2003);
- **VOLKSWAGEN Transporter T4/T5 VDO** (fino al 2003);
- **SEAT Alhambra/Ibiza/Leon VDO** (fino al 2004);
- **SKODA Fabia/Octavia VDO** (fino al 2004).

NOTA:

Il SEPDISP24B è un kit composto da un circuito stampato (da saldare sulla scheda del contaghiometri) e da un display LCD, completo di flat (da inserire nel connettore del PCB fornito).

Sostituisce i display Minitools fuori produzione: SEPDISP03E e SEPDISP05E.

Dimensioni: 58x74mm.

LCD display kit, 64x88 pixel + PCB, adattabile a tutti i JAEGER/MAGNETI MARELLI and VDO dashboards, such as:

- **AUDI A3/A4/A6 JAEGER** (until 2003);
- **AUDI TT JAEGER** (until 2005);
- **AUDI A2/A6 VDO** (until 2004);
- **AUDI A3/A4 VDO** (until 2003);
- **FORD Galaxy** (until 2005);
- **VOLKSWAGEN Golf IV/Passat/Bora/Sharan VDO** (until 2003);
- **VOLKSWAGEN Transporter T4/T5 VDO** (until 2003);
- **SEAT Alhambra/Ibiza/Leon VDO** (until 2004);
- **SKODA Fabia/Octavia VDO** (until 2004).

NOTE:

The SEPDISP24B kit is composed by a board (to be soldered on the main board of the instrument cluster) and a LCD display, with flat (to insert in the related PCB plug on the small board).

It replaces out of production Minitools displays: SEPDISP03E and SEPDISP05E.

Size: 58x74mm

LCD display for Mercedes ML/R/GL dashboards



SEPDISP25

Display LCD 128x132 pixel, completo di flat, adattabile ai quadri strumenti:

- **MERCEDES ML W164** (dal 2005 al 2011);
- **MERCEDES R W251** (dopo il 2005);
- **MERCEDES GL X164** (dal 2006 al 2012).

Non si salda sulla scheda, ma i flat si inseriscono ad incastro negli appositi connettori.

Dimensioni: 74x86mm.

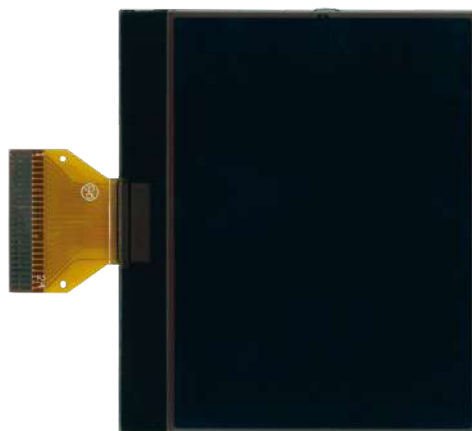
Adaptable LCD display 128x132 pixel, with flats, to the following instrument clusters:

- **MERCEDES ML W164** (from 2005 to 2011);
- **MERCEDES R W251** (after 2005);
- **MERCEDES GL X164** (from 2006 to 2012).

It does not need to be soldered, but the flats must be inserted in the connectors on the board.

Size: 74x86mm.

Monochromatic LCD display for Audi A4 Bosch dashboards



SEPDISP26

Display LCD monocromatico 72x96 pixel, completo di flat, adattabile ai quadri strumenti **AUDI A4 BOSCH** (dal 2002 al 2007)

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 62x74mm.

Adaptable monochromatic LCD display 72x96 pixel, with flat, to **AUDI A4 BOSCH** dashboards (from 2002 to 2007).

It does not need to be soldered, but inserted in the connector on the board.

Size: 62x74mm.



Monochromatic LCD display for Porsche Cayenne and Volkswagen Touareg dashboards

SEPDISP27

Display LCD monocromatico 72x96 pixel, adattabile a quadri strumenti:

- **PORSCHE CAYENNE** (modelli dal 2002 al 2008);
- **VOLKSWAGEN TOUAREG** (modelli dal 2002 al 2008).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 62x74mm.

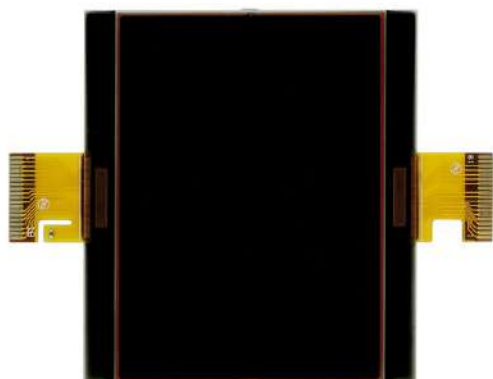
Adaptable monochromatic LCD display 72x96 pixel to the following instrument clusters:

- **PORSCHE CAYENNE** (models from 2002 to 2008);
- **VOLKSWAGEN TOUAREG** (models from 2002 to 2008).

It does not need to be soldered, but inserted in the connector on the board.

Size: 62x74mm.

LCD display for Skoda Octavia and Volkswagen Golf V dashboards



SEPDISP31

Display LCD 120x176 pixel, completo di flat, adattabile ai quadri strumenti:

- **SKODA OCTAVIA** (modelli dopo il 2004);
- **VOLKSWAGEN GOLF V** (modelli dopo il 2003).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 75x84mm.

Adaptable LCD display 120x176 pixel, with flats, to the following dashboards:

- **SKODA OCTAVIA** (models after 2004);
- **VOLKSWAGEN GOLF V** (models after 2003).

It does not need to be soldered, but inserted in the connector on the board.

Size: 75x84mm.

LCD display adaptable to Ford C-Max/ Galaxy/Kuga/Mondeo/ Focus dashboards



SEPDISP32

Display LCD 120x179 pixel, completo di flat, adattabile ai quadri strumenti:

- **FORD C-MAX** (modelli dal 2007 al 2010);
- **FORD GALAXY** (modelli dal 2006 al 2012);
- **FORD KUGA** (modelli dal 2008 al 2012);
- **FORD MONDEO** (modelli dal 2007 al 2012);
- **FORD FOCUS** (modelli dal 2008 al 2011).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 72x82mm.

Adaptable LCD display 120x179 pixel, with flats, to the following instrument clusters:

- **FORD C-MAX** (models from 2007 to 2010);
- **FORD GALAXY** (models after 2006 to 2012);
- **FORD KUGA** (models from 2008 to 2012);
- **FORD MONDEO** (models from 2007 to 2012);
- **FORD FOCUS** (models from 2008 to 2011).

It does not need to be soldered, but inserted in the connector on the board.

Size: 72x82mm

LCD display for Ford Focus/ Kuga/ Galaxy/ C-Max dashboards



SEPDISP33

Display LCD 124x88 pixel, completo di flat, adattabile ai quadri strumenti:

- **FORD C-MAX** (modelli dal 2007 al 2010);
- **FORD GALAXY** (modelli dal 2006 al 2012);
- **FORD KUGA** (modelli dal 2008 al 2012);
- **FORD FOCUS** (modelli dal 2008 al 2011).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 65x49mm.

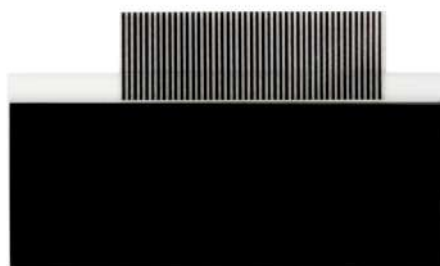
Adaptable LCD display 124x88 pixel, with flat, to:

- **FORD C-MAX** (models from 2007 to 2010);
- **FORD GALAXY** (models from 2006 to 2012);
- **FORD KUGA** (models from 2008 to 2012);
- **FORD FOCUS** (models from 2008 to 2011).

It does not need to be soldered, but inserted in the connector on the board.

Size: 65x49mm

LCD display for BMW E-34



SEPDISP35

Display LCD, completo di flat, adattabile a quadri strumenti:

- **BMW E-34** (modelli fino al 1996).

Dimensioni: 76x34mm

LCD display, with flat, adaptable to the following instrument clusters:

- **BMW E-34** (until 1996 models).

Size: 76x34mm

LCD display for Borg, Johnson Controls and Magneti Marelli computer boards for Citroën C5/C8, Fiat Ulysse, Lancia Phedra and Peugeot 307/407/807/508/3008

Kit display LCD 240x64 pixel + PCB adattabile ai computer di bordo (display multifunzione) **BORG, JOHNSON CONTROLS** e **MAGNETI MARELLI**:

- **CITROËN C5** (modelli dal 2001 al 2008);
- **CITROËN C8** (modelli dal 2002 al 2014);
- **FIAT ULYSSE** (modelli dal 2002 al 2010);
- **LANCIA PHEDRA** (modelli dal 2002 al 2010);
- **PEUGEOT 307** (modelli dal 2003 al 2008);
- **PEUGEOT 407** (modelli dal 2004 al 2012);
- **PEUGEOT 807** (modelli dal 2002 al 2014);
- **PEUGEOT 508** (modelli dal 2011 al 2013);
- **PEUGEOT 3008** (modelli dal 2009 al 2015).

Il kit è composto da un circuito stampato (da saldare sulla scheda del quadro strumenti) e da un display LCD, completo di flat (da inserire nel connettore del PCB fornito).

Dimensioni: 131x46mm.

LCD display kit 240x64 pixel + PCB adattabile to **BORG, JOHNSON CONTROLS** and **MAGNETI MARELLI** computer boards (multifunction display) for:

- **CITROËN C5** (models from 2001 to 2008);
- **CITROËN C8** (models from 2002 to 2014);
- **FIAT ULYSSE** (models from 2002 to 2010);
- **LANCIA PHEDRA** (models from 2002 to 2010);
- **PEUGEOT 307** (models from 2003 to 2008);
- **PEUGEOT 407** (models from 2004 to 2012);
- **PEUGEOT 807** (models from 2002 to 2014);
- **PEUGEOT 508** (models from 2011 to 2013);
- **PEUGEOT 3008** (models from 2009 to 2015).

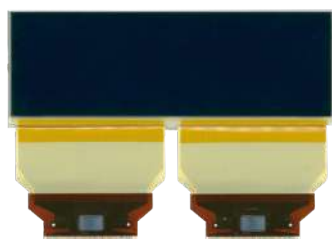
The kit is composed by a board (to be soldered on the main board of the cluster) and by a LCD display, with flat (to insert in the related PCB plug on the small board).

Size: 131x46mm.

Display originale Borg
Borg original display



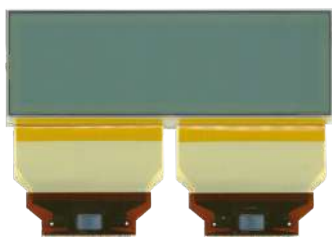
Display originale Magneti Marelli
Magnet Marelli original display



Display originale Borg
Borg original display



Display originale Magneti Marelli
Magnet Marelli original display



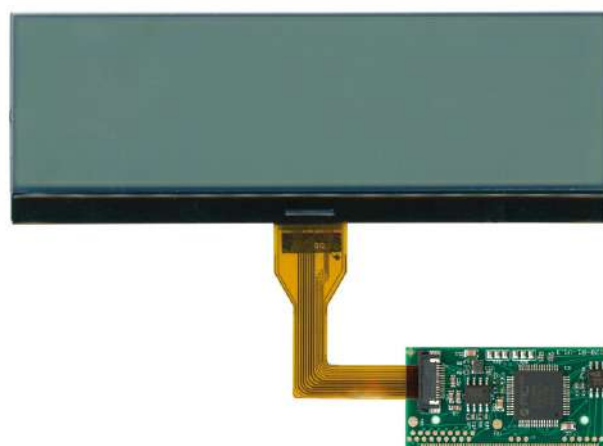
NEGATIVE VERSION

SEPDISP28N



POSITIVE VERSION

SEPDISP28P





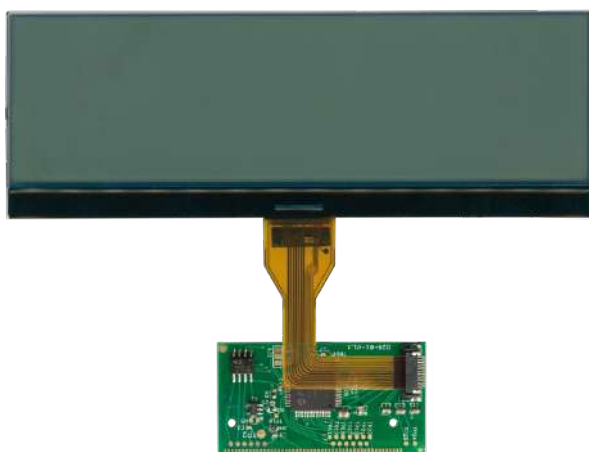
NEGATIVE VERSION

SEPDISP29N

Display originali Borg e Johnson Controls
Borg and Johnson Controls original display

POSITIVE VERSION

SEPDISP29P

Display originali Borg e Johnson Controls
Borg and Johnson Controls original displayDisplay LCD per quadri strumenti
Dashboards' LCD displays

Spedizione

Per l'Italia, applichiamo le seguenti condizioni:

Nessun costo

Per ordini superiori a € 80,00 (IVA esclusa)

€ 3,90 (IVA esclusa)

Per ordini inferiori a € 80,00 (IVA esclusa)

Le spedizioni vengono evase in giornata.

Shipping

We apply the following shipping rates:



EU countries

NOT EU countries

No charge

Orders over € 150,00

No charge

Orders over € 300,00

€ 13,00

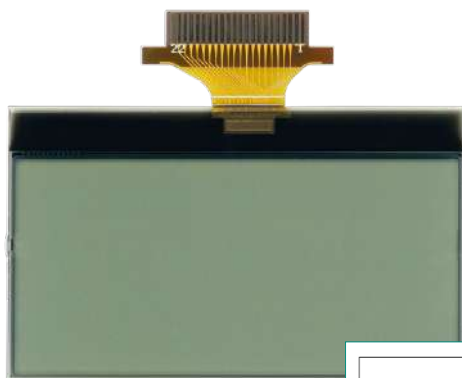
Orders less than € 150,00

€ 30,00

Orders less than € 300,00

Shipments are processed on the same day.

LCD display for Fiat Grande Punto/Fiorino Natural Power



SEPDISP34

Display LCD, completo di flat, adattabile a quadri strumenti

- **FIAT GRANDE PUNTO** Natural Power / GPL;
- **FIAT FIORINO** Natural Power (modelli dopo il 2007).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

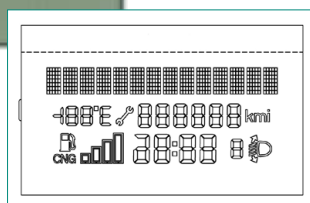
Dimensioni: 73,5x44mm.

Adaptable LCD display, with flat, to the following instrument clusters:

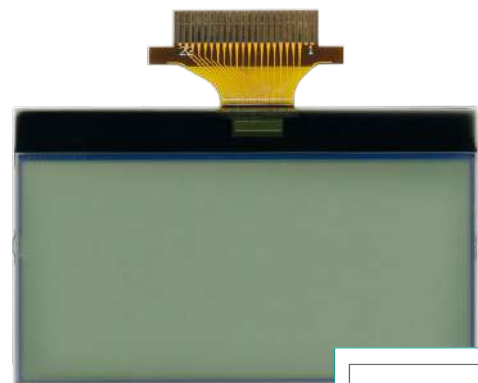
- **FIAT GRANDE PUNTO** Natural Power / GPL;
- **FIAT FIORINO** Natural Power (models after 2007).

It does not need to be soldered, but inserted in the connector on the board.

Size: 73,5x44mm.



LCD display for Fiat Grande Punto/Fiorino



SEPDISP37

Display LCD, completo di flat, adattabile a quadri strumenti:

- **FIAT GRANDE PUNTO**;
- **FIAT FIORINO** (modelli dopo il 2007).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

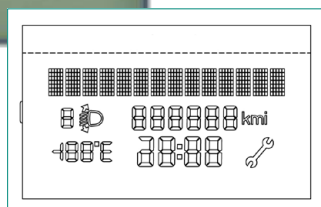
Dimensioni: 73,5x44mm

LCD display, with flat, adaptable to the following instrument clusters:

- **FIAT GRANDE PUNTO**;
- **FIAT FIORINO** (models after 2007).

It does not need to be soldered, but inserted in the connector on the board.

Size: 73,5x44mm.



LCD display for Audi A3/Audi TT



SEPDISP39

Display LCD 64x88 pixel, completo di flat, adattabile ai quadri strumenti:

- **AUDI A3 VDO** (modelli dal 2003 al 2012);
- **AUDI TT** (modelli dal 2006 al 2014).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 56,5x82mm.

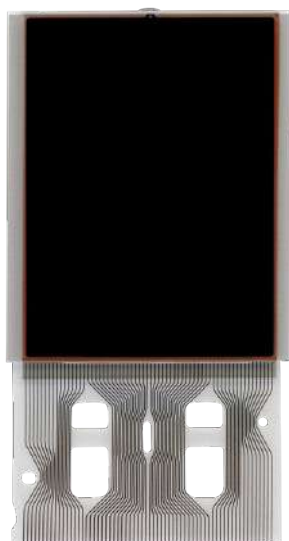
LCD display 64x88 pixel, with flat, adaptable to the following instrument cluster:

- **AUDI A3 VDO** (models from 2003 to 2012);
- **AUDI TT** (models from 2006 to 2014).

It does not need to be soldered, but inserted in the connector on the board.

Size: 56,5x82mm

LCD display for Audi A4



SEPDISP40

Display LCD 64x88 pixel, completo di flat, adattabile a quadri strumenti:

- **AUDI A4 VDO** (modelli dal 1994 al 2000).

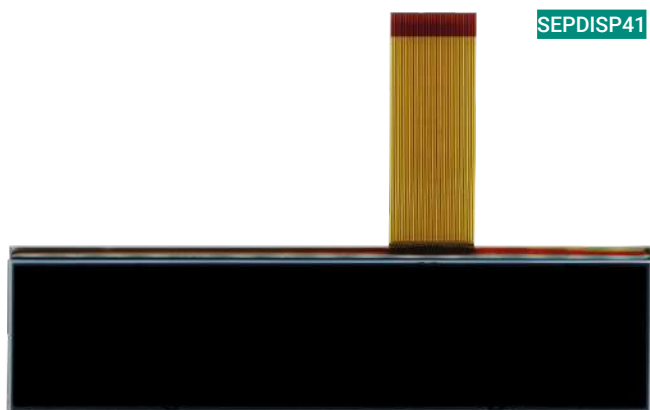
Dimensioni: 58x75mm

LCD display 64x88 pixel, with flat, adaptable to:

- **AUDI A4 VDO** instrument clusters (models from 1994 to 2000).

Size: 58x75mm

LCD display for Microcar MC1/MC2/M.Go



SEPDISP41

Display LCD, completo di flat, adattabile ai quadri strumenti

- **MICROCAR MC1/MC2/M.Go** (modelli dal 2004 al 2011).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 140x36mm.

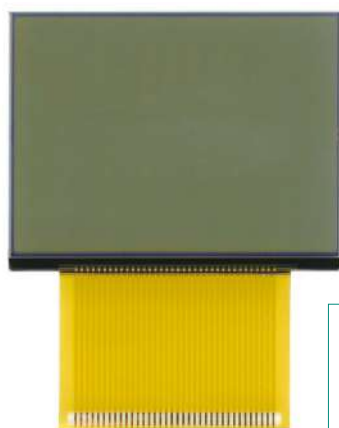
LCD display, with flat, adaptable to the following instrument clusters:

- **MICROCAR MC1/MC2/M.Go** (models from 2004 to 2011).

It does not need to be soldered, but inserted in the connector on the board.

Size: 140x36mm

LCD display for Massey Ferguson and John Deere tractor



SEPDISP43

Display LCD, completo di flat, adattabile a quadri strumenti:

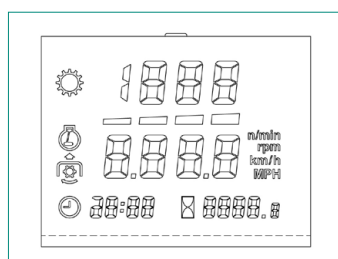
- **MASSEY FERGUSON;**
- **JOHN DEERE.**

Dimensioni: 75x58mm

LCD display, with flat, adaptable to the following instrument clusters:

- **MASSEY FERGUSON;**
- **JOHN DEERE.**

Size: 75x58mm



LCD display for Nissan and Suzuki car radio



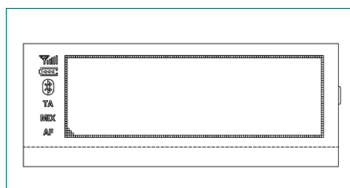
SEPDISP44

Display LCD 123x36 pixel, completo di flat, adattabile ad autoradio Daewoo delle seguenti auto:

- **NISSAN JUKE**
(modelli dal 2010 al 2014);
- **NISSAN NOTE**
(modelli dal 2013);
- **NISSAN QASHQAI**
(modelli dal 2010 al 2014);
- **NISSAN NAVARA**
(modelli dal 2011 al 2015);
- **NISSAN FRONTIER**
(modelli dal 2011 al 2015);
- **SUZUKI EQUATOR**
(modelli dal 2011 al 2015).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 97,5x38mm



LCD display 123x36 pixel, with flat, adaptable to the following Daewoo car radio:

- **NISSAN JUKE**
(models from 2010 to 2014);
- **NISSAN NOTE**
(models from 2013);
- **NISSAN QASHQAI**
(models from 2010 to 2014)
- **NISSAN NAVARA**
(models from 2011 to 2015);
- **NISSAN FRONTIER**
models from 2011 to 2015);
- **SUZUKI EQUATOR**
(models from 2011 to 2015).

It doesn't need to be soldered but just inserted in to its dedicated connector.

Dimensions: 97,5x38mm

LCD display for Ford F-150 dashboards



SEPDISP45

Display LCD adattabile ai quadri strumenti **FORD F-150** (modelli dal 2004 al 2008).

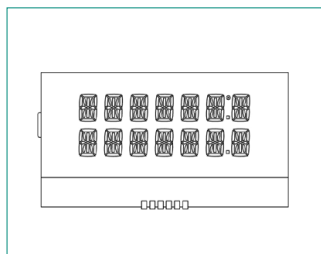
Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 60x32,5mm

LCD display adaptable to **Ford F-150** instrument clusters (models from 2004 to 2008).

It doesn't need to be soldered but just inserted in to its dedicated connector.

Dimensions: 60x32,5mm



ASSISTENZA
TECNICA



TECHNICAL
SUPPORT

AFFIDABILITÀ



TRUSTWORTHY
COMPANY

GARANZIA
SUI PRODOTTI



PRODUCT
WARRANTY

SPEDIZIONI
INTERNAZIONALI



WORLDWIDE
SHIPPING

LCD display for Porsche 911 / Boxster instrument clusters



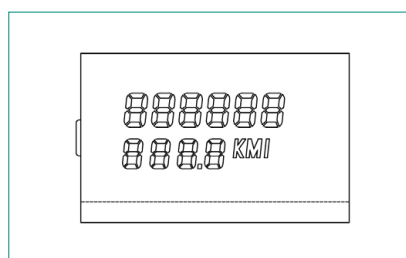
SEPDISP46A



SEPDISP46B



SEPDISP46C



Display LCD, completo di flat, adattabile al display posizionato sul **lato sinistro** dei quadri strumenti:

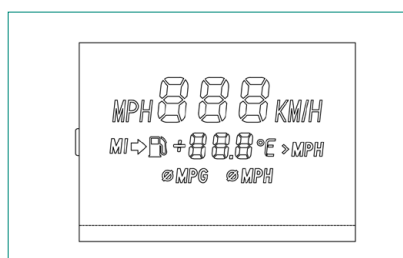
- **PORSCHE 911 (996)**
modelli dal 1997 al 2006;
- **PORSCHE BOXSTER (986)**
modelli dal 1996 al 2004.

Dimensioni: 45x28,5 mm

LCD display, with flat, adaptable to display on the **left side** of the following instrument clusters:

- **PORSCHE 911 (996)**,
models from 1997 to 2006;
- **PORSCHE BOXSTER (986)**,
models from 1996 to 2004.

Dimensions: 45x28,5 mm



Display LCD, completo di flat, adattabile al **display centrale** dei quadri strumenti:

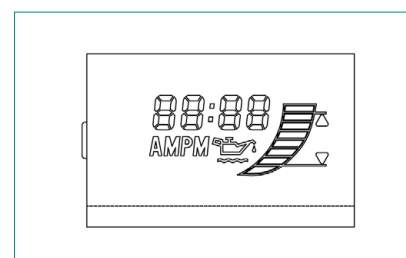
- **PORSCHE 911 (996)**
modelli dal 1997 al 2006;
- **PORSCHE BOXSTER (986)**
modelli dal 1996 al 2004.

Dimensioni: 62x44,5 mm

LCD display, with flat, adaptable to **central display** of the following instrument clusters:

- **PORSCHE 911 (996)**,
models from 1997 to 2006;
- **PORSCHE BOXSTER (986)**,
models from 1996 to 2004.

Dimensions: 62x44,5 mm



Display LCD, completo di flat, adattabile al display posizionato sul **lato destro** dei quadri strumenti:

- **PORSCHE 911 (996)**
modelli dal 1997 al 2006;
- **PORSCHE BOXSTER (986)**
modelli dal 1996 al 2004.

Dimensioni: 45x28,5 mm

LCD display, with flat, adaptable to display positioned on the **right side** of the following dashboards:

- **PORSCHE 911 (996)**,
models from 1997 to 2006;
- **PORSCHE BOXSTER (986)**,
models from 1996 to 2004.

Dimensions: 45x28,5 mm

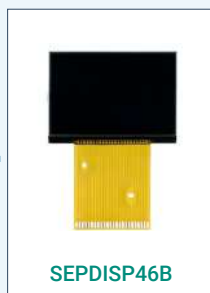
È consigliabile sostituire tutti i display del contachilometri, per evitare differenze di visualizzazione tra il display nuovo e i display non sostituiti.
It's advisable to replace all displays of the dashboard, to avoid visualisation's differences between the new display and the not replaced ones.

Display LCD per quadri strumenti
Dashboards' LCD displays

Kit of LCD displays for Porsche 911 / Boxster instrument clusters



+



+



SEPDISPKIT-46A-B-C

Kit composto da 3 display LCD completi di flat.

Il kit comprende:

- 1 pz SEPDISP46A;
- 1 pz SEPDISP46B;
- 1 pz SEPDISP46C.

Kit composed of 3 LCD displays with flat.

The kit includes:

- 1 pc SEPDISP46A;
- 1 pc SEPDISP46B;
- 1 pc SEPDISP46C.

Central display for New Holland tractors dashboards



SEPDISP47

Display LCD 64x64 pixel, completo di flat, adattabile ai quadri strumenti / contaore di vari trattori New Holland:

- **SERIE T** (T6080);
- **SERIE TS** (TS115E);
- **SERIE TSA** (TS100A, TS110A, TS115A, TS125A, TS130A, TS135A);
- **SERIE TLA**.

Modelli da 2004 al 2008.

Posizionato nella parte centrale superiore del quadro strumenti.

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 41x48 mm

LCD display 64x64 pixel, with flat, adaptable to several New Holland tractors instrument clusters / hour meter:

- **T SERIES** (T6080);
- **TS SERIES** (TS115E);
- **TSA SERIES** (TS100A, TS110A, TS115A, TS125A, TS130A, TS135A);
- **TLA SERIES**.

Models from 2004 to 2008.

Positioned on the upper central part of the dashboard.

It doesn't need to be soldered, but just inserted in to its dedicated connector.

Dimensions: 41x48 mm

LCD display for Seat Altea / León instrument clusters



SEPDISP48

Display LCD 114x170 pixel, completo di due flat, adattabile ai quadri strumenti:

- **SEAT LEÓN** (modelli dal 2005 al 2012);
- **SEAT ALTEA / ALTEA XL** (modelli dal 2005 al 2014).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 57,5x97 mm

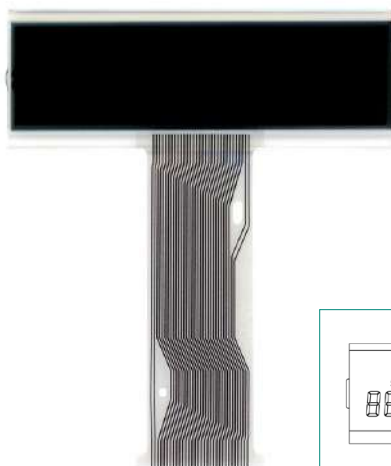
LCD display 114x170 pixel, with two flats, adaptable to the following instrument clusters:

- **SEAT LEÓN** (models from 2005 to 2012);
- **SEAT ALTEA / ALTEA XL** (models from 2005 to 2014).

It doesn't need to be soldered, but just inserted in to its dedicated connector.

Dimensions: 57,5x97 mm

LCD display for Mercedes Vito / Sprinter / Class V instrument clusters



SEPDISP49

Display LCD, completo di flat, adattabile ai quadri strumenti Magneti Marelli:

- **MERCEDES VITO W638** (modelli dal 1999 al 2004);
- **MERCEDES SPRINTER** (modelli dal 2000 al 2006);
- **MERCEDES CLASSE V W638** (modelli dal 1999 al 2004).

Dimensioni: 75,5x27,5mm

LCD display, with flat, adaptable to Magneti Marelli instrument clusters:

- **MERCEDES VITO W638** (models from 1999 to 2004);
- **MERCEDES SPRINTER** (models from 2000 to 2006);
- **MERCEDES CLASS V W638** (models from 1999 to 2004).

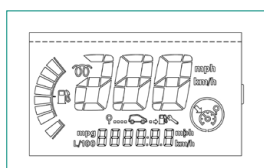
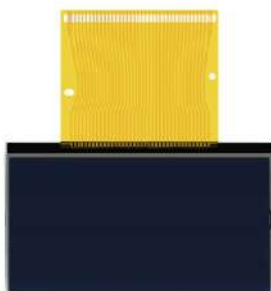
Dimensions: 75,5x27,5mm



LCD display for Renault Twingo

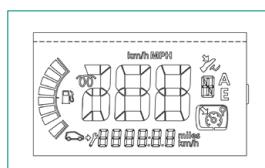
SEPDISP50A

Versione per modelli con **cambio manuale**
Manual transmission version



SEPDISP50B

Versione per modelli con **cambio automatico**
Automatic transmission version



Display LCD, completo di flat, adattabile a quadri strumenti **RENAULT TWINGO** (modelli dal 2007 al 2011).

Disponibile sia nella versione per modelli con **cambio manuale** (SEPDISP50A) che con **cambio automatico** (SEPDISP50B).

Dimensioni: 87x50 mm

LCD display, with flat, adaptable to **RENAULT TWINGO** instrument clusters (models from 2007 to 2011).

Available in the version for car models with **manual transmission** (SEPDISP50A) or with **automatic transmission** (SEPDISP50B).

Dimensions: 87x50 mm

LCD display for Porsche 911 / Boxster heater control

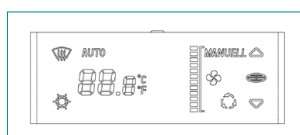


SEPDISP51

Display LCD adattabile al modulo aria condizionata:

- **PORSCHE 911** (996) modelli dal 1997 al 2006;
- **PORSCHE BOXSTER** (986) modelli dal 1996 al 2004.

Dimensioni: 99,5x35,5mm



LCD display adaptable to heater control:

- **PORSCHE 911** (996) models from 1997 to 2006;
- **PORSCHE BOXSTER** (986) models from 1996 to 2004.

Dimensions: 99,5x35,5mm

LCD display for Porsche 964 / 993 instrument clusters

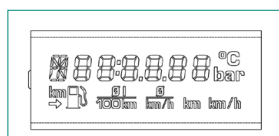


SEPDISP52

Display LCD adattabile a quadri strumenti:

- **PORSCHE 911** (964) modelli dal 1989 al 1993;
- **PORSCHE 911** (993) modelli dal 1993 al 1998.

Dimensioni: 62x27mm



LCD display adaptable to the following dashboards:

- **PORSCHE 911** (964) models from 1989 to 1993;
- **PORSCHE 911** (993) models from 1993 to 1998.

Dimensions: 62x27mm

Porsche Cayman dashboards central display



SEPDISP56

Display LCD 120x64 pixel, completo di flat, adattabile al display centrale dei quadri strumenti **PORSCHE CAYMAN** (987), modelli dal 2005 al 2012.

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 84,5x50mm

LCD display 120x64 pixel, with flat, adaptable to central display of **PORSCHE CAYMAN** (987) instrument clusters, models from 2005 to 2012.

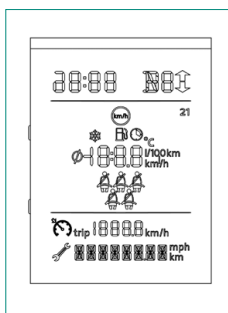
It doesn't need to be soldered but just inserted in its dedicated connector.

Dimensions: 84,5x50mm

Display LCD for Volkswagen Golf VI dashboards (Km and Mi version)

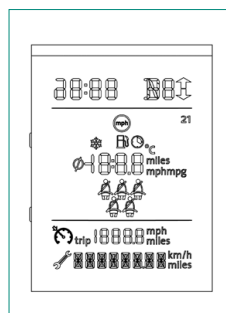
SEPDISP57A

Versione con **conteggio in chilometri**
Kilometers version



SEPDISP57B

Versione con **conteggio in miglia**
Miles version



Display LCD, completo di flat, adattabile a quadri strumenti **VOLKSWAGEN GOLF VI** (modelli dal 2008 al 2012).

Disponibile sia nella versione con **conteggio in chilometri** (SEPDISP57A), che con **conteggio in miglia** (SEPDISP57B).

Dimensioni: 61,5x83,5 mm

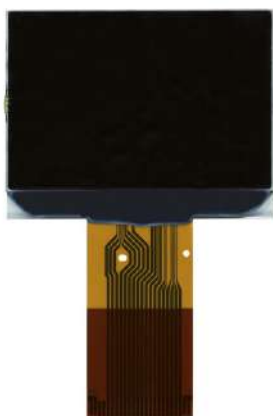
LCD display, with flat, adaptable to **VOLKSWAGEN GOLF VI** dashboards (models from 2008 to 2012).

Available in **kilometers** version (SEPDISP57A) and **miles** version (SEPDISP57B).

Dimensions: 61,5x83,5 mm

Display LCD for Ford Focus / C-Max instrument clusters

SEPDISP59



Display LCD 132x88 pixel, completo di flat, adattabile a quadri strumenti:
• **FORD FOCUS** (modelli dal 2011 al 2018);
• **FORD C-MAX** (modelli dal 2011).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 63,5x49,5 mm

LCD display 132x88 pixel, with flat, adaptable to the following dashboards:

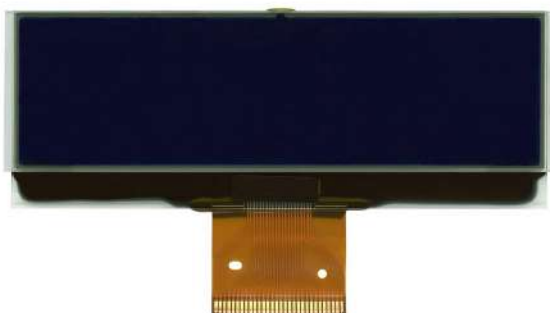
• **FORD FOCUS** (models from 2011 to 2018);
• **FORD C-MAX** (models from 2011).

It doesn't need to be soldered but just inserted in to its dedicated connector.

Dimensions: 63,5x49,5 mm

Display LCD for Renault Clio on-board computers

SEPDISP60



Display LCD 204x48 pixel, completo di flat, adattabile al display multifunzione / orologio digitale **RENAULT CLIO** (modelli dal 2005 al 2009).

Non si salda sulla scheda, ma si inserisce ad incastro nell'apposito connettore.

Dimensioni: 127,5x45,5 mm

LCD display 204x48 pixel, with flat, adaptable to **RENAULT CLIO** multifunction display / display centre clock (models from 2005 to 2009).

It doesn't need to be soldered but just inserted in to its dedicated connector.

Dimensions: 127,5x45,5 mm

Display LCD for Massey Ferguson 6470 tractors



SEPDISP61

Display LCD adattabile a quadri strumenti / contaore di trattori **MASSEY FERGUSON 6470** (modelli dal 2004 al 2008).

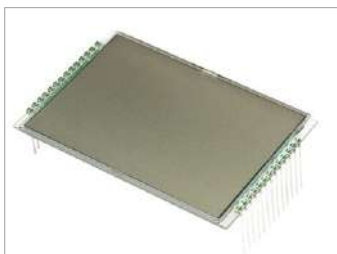
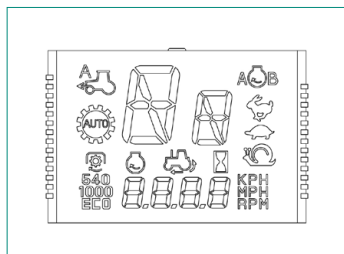
Posizionato nella parte inferiore destra del quadro strumenti.

Dimensioni: 73x48 mm

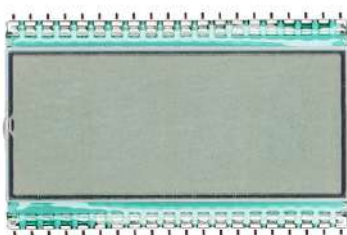
LCD display adaptable to instrument clusters / hour meter for **MASSEY FERGUSON 6470** tractors (models from 2004 to 2008).

Positioned on the lower, right part of the dashboard.

Dimensions: 73x48 mm



Display for Lamborghini 990F PLUS tractors



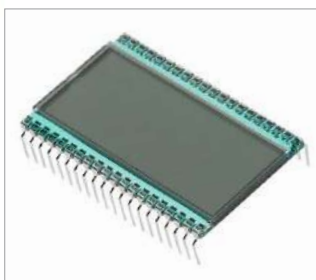
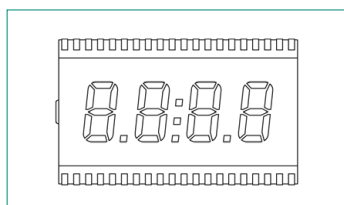
SEPDISP62

Display LCD adattabile a quadri strumenti / contaore di trattori **LAMBORGHINI 990F PLUS** (modelli dal 1995 al 2000).

Dimensioni: 51x30,5 mm

LCD display adaptable to **LAMBORGHINI 990F PLUS** tractors instrument clusters / hour meter (models from 1995 to 2000).

Dimensions: 51x30,5 mm



Display LCD for John Deere tractors



SEPDISP63

Kit composto da Display LCD 88x64 pixel + PCB, adattabile a contachilometri / contatore **JOHN DEERE**.

Il SEPDISP63 consiste in un circuito stampato (da saldare sulla scheda del contachilometri) e da un display LCD, completo di flat (da inserire nel connettore del PCB fornito).

Kit composed of LCD display 88x64 pixel + PCB, adaptable to dashboards / hour meter **JOHN DEERE**.

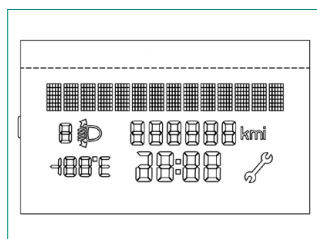
The SEPDISP63 consists of a printed circuit (to be soldered to the dashboard main board) and an LCD display with flat (to be fitted into the PCB connector provided).

LCD display for Fiat Punto



SEI-DISP101

Ricondizionato
Refurbished



Display LCD completo di flat, adattabile a quadri strumenti **FIAT PUNTO** 2003.

Dimensioni: 73,5x44mm.

Adaptable LCD display, with flat, to **FIAT PUNTO** 2003 instrument clusters.

Size: 73,5x44mm.

IMPORTANTE:

Prima dell'acquisto comunicare il codice del display in vostro possesso.

IMPORTANT:

Please let us know the code on your display, before purchasing.

LCD display for Fiat 500



SEI-DISP102

Ricondizionato
Refurbished

Display LCD completo di flat, adattabile a quadri strumenti **FIAT 500**.

Dimensioni: ø 83mm.

Adaptable LCD display, with flat, to **FIAT 500** instrument clusters.

Size: ø 83mm.

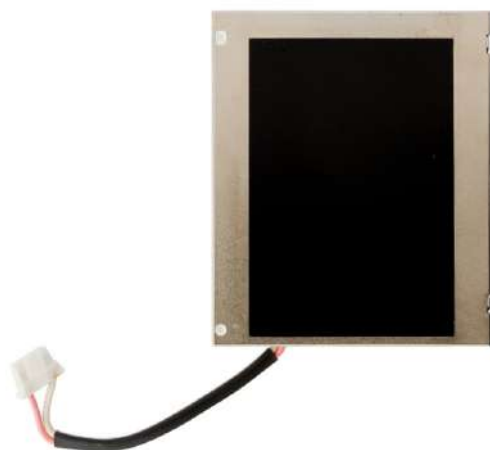
IMPORTANTE:

Prima dell'acquisto comunicare il codice del display in vostro possesso.

IMPORTANT:

Please let us know the code on your display, before purchasing.

Colour LCD display for Audi A6 and Q7



SEI-DISP103

Ricondizionato
Refurbished

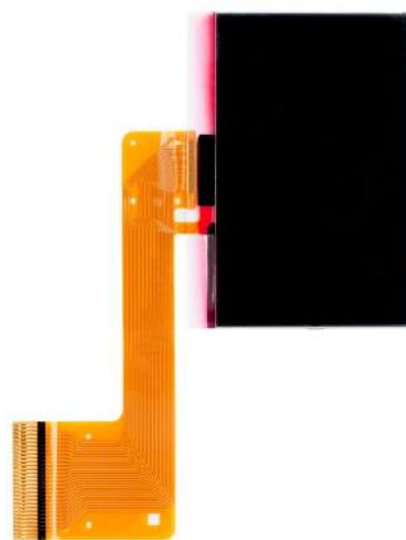
Display LCD a colori, adattabile a quadri strumenti **AUDI A6** e **Q7 MAGNETI MARELLI** (modelli dopo il 2004).

Dimensioni: 71,5x86mm.

Adaptable colour LCD display to **AUDI A6** and **Q7 MAGNETI MARELLI** instrument clusters (models after 2004).

Size: 71,5x86mm.

Monochromatic LCD display for Audi A6 and Q7



SEI-DISP104

Ricondizionato
Refurbished

Display LCD monocromatico, adattabile a quadri strumenti **AUDI A6** e **Q7 MAGNETI MARELLI** (modelli dopo il 2004).

Dimensioni: 59x81,6mm.

Adaptable monochromatic LCD display, to **AUDI A6** and **Q7 MAGNETI MARELLI** instrument clusters (models after 2004).

Size: 59x81,6mm.

Colour LCD display for Audi A4



SEI-DISP105

Disponibilità limitata
Limited availability

Ricondizionato
Refurbished



Retro / Back

Display LCD a colori, adattabile a quadri strumenti **AUDI A4 BOSCH** (modelli dal 2002 al 2007).

Dimensioni: 69,5x86,5mm.

Adaptable colour LCD display to **AUDI A4 BOSCH** instrument clusters (models from 2002 to 2007).

Size: 69,5x86,5mm.

Colour LCD display for Audi A4/S4/RS4 and Audi A5/S5/RS5/Q5

SEI-DISP106

Ricondizionato
Refurbished



Retro / Back

Display LCD a colori, adattabile a quadri strumenti MAGNETI MARELLI:

- **AUDI A4/S4/RS4** (modelli dopo il 2007);
- **AUDI Q5** (modelli dopo il 2008);
- **AUDI A5/S5/RS5** (modelli dopo il 2007).

Dimensioni: 74x90mm.

Adaptable colour LCD display to **MAGNETI MARELLI** instrument clusters of:

- **AUDI A4 / S4 / RS4** (models after 2007);
- **AUDI Q5** (models after 2008);
- **AUDI A5/S5/RS5** (models after 2007).

Size: 74x90mm.

Monochromatic LCD display for Audi A4/S4/RS4 and Audi A5/S5/RS5



SEI-DISP107

Ricondizionato
Refurbished

Display LCD monocromatico, adattabile a quadri strumenti MAGNETI MARELLI:

- **AUDI A4/S4/RS4** (modelli dopo il 2007);
- **AUDI A5/S5/RS5** (modelli dopo il 2007).

Dimensioni: 67x81mm.

Adaptable monochromatic LCD display to MAGNETI MARELLI instrument clusters of:

- **AUDI A4/S4/RS4** (models after 2007);
- **AUDI A5/S5/RS5** (models after 2007).

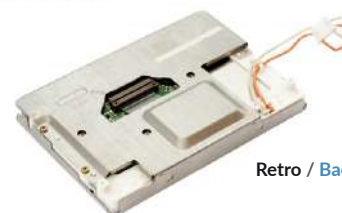
Size: 67x81mm.

Colour LCD display for Volkswagen Touareg and Porsche Cayenne



SEI-DISP108

Ricondizionato
Refurbished



Retro / Back

Display LCD a colori, adattabile a quadri strumenti:

- **VOLKSWAGEN TOUAREG** (modelli dal 2002 al 2008);
- **PORSCHE CAYENNE** (modelli dal 2002 al 2008).

Dimensioni: 127x89mm.

Adaptable colour LCD display to the following dashboards:

- **VOLKSWAGEN TOUAREG** (models from 2002 to 2008);
- **PORSCHE CAYENNE** (models from 2002 to 2008).

Size: 127x89mm.

LCD display for Lancia Ypsilon



SEI-DISP109

Ricondizionato
Refurbished

Display LCD adattabile a quadri strumenti **LANCIA YPSILON** (modelli dal 2003 al 2011).

Dimensioni: 93x47mm.

Adaptable LCD display to **LANCIA YPSILON** instrument clusters (models from 2003 to 2011).

Size: 93x47mm.

IMPORTANTE:

Prima dell'acquisto comunicare il codice del display in vostro possesso.

IMPORTANT:

Please let us know the code on your display, before purchasing.

LCD display for Fiat Grande Punto/Punto EVO/Bravo/Croma/Idea and Lancia Delta/Musa



SEI-DISP110

Ricondizionato
Refurbished

Display LCD adattabile a quadri strumenti:

- **FIAT BRAVO** (dopo il 2007);
- **FIAT CROMA** (dopo il 2007);
- **FIAT GRANDE PUNTO**;
- **FIAT PUNTO EVO** (dal 2009 al 2012);
- **FIAT IDEA** (dal 2003 al 2012);
- **LANCIA DELTA** (dopo il 2008);
- **LANCIA MUSA** (dal 2004 al 2012).

Dimensioni: 91x47mm.

Adaptable LCD display to the following instrument clusters:

- **FIAT BRAVO** (after 2007);
- **FIAT CROMA** (after 2007);
- **FIAT GRANDE PUNTO**;
- **FIAT PUNTO EVO** (from 2009 to 2012);
- **FIAT IDEA** (from 2003 to 2012);
- **LANCIA DELTA** (after 2008);
- **LANCIA MUSA** (from 2004 to 2012);

Size: 91x47mm.

IMPORTANTE:

Prima dell'acquisto comunicare il codice del display in vostro possesso.

IMPORTANT:

Please let us know the code on your display, before purchasing.

LCD display for Fiat Bravo/Croma and Lancia Delta



SEI-DISP111

Ricondizionato
Refurbished

Display LCD adattabile a quadri strumenti:

- **FIAT BRAVO** (modelli dopo il 2007);
- **FIAT CROMA** (dopo il 2007);
- **LANCIA DELTA** (dopo il 2008).

Dimensioni: 80x48mm.

Adaptable LCD display to the following instrument clusters:

- **FIAT BRAVO** (models after 2007);
- **FIAT CROMA** (after 2007);
- **LANCIA DELTA** (after 2008).

Size: 80x48mm.

IMPORTANTE:

Prima dell'acquisto comunicare il codice del display in vostro possesso.

IMPORTANT:

Please let us know the code on your display, before purchasing.

LCD display for Alfa Romeo 147 dashboards



SEI-DISP112

Ricondizionato
Refurbished

Display LCD adattabile a quadri strumenti **ALFA ROMEO 147**.

Dimensioni: 78x50mm.

Adaptable LCD display to **ALFA ROMEO 147** instrument clusters.

Size: 78x50mm.

LCD display for Alfa Romeo MiTo/Giulietta dashboards



SEI-DISP113

Ricondizionato
Refurbished

Display LCD adattabile a quadri strumenti **ALFA ROMEO MiTo/ GIULIETTA**.

Dimensioni: 89x53,5mm.

Adaptable LCD display to **ALFA ROMEO MiTo/GIULIETTA** instrument clusters.

Size: 89x53,5mm.

LCD display for Alfa Romeo 159 dashboards



SEI-DISP114

Ricondizionato
Refurbished

Display LCD adattabile a quadri strumenti **ALFA ROMEO 159**.

Dimensioni: 76x79mm.

Adaptable LCD display to **ALFA ROMEO 159** instrument clusters.

Size: 76x79mm.

LCD display for Renault Modus dashboards



SEI-DISP115

Ricondizionato
Refurbished

Display LCD lato sinistro adattabile a quadri strumenti **RENAULT MODUS**.

Dimensioni: 127x102mm.

Adaptable LCD left side display to **RENAULT MODUS** dashboards.

Size: 127x102mm.

IMPORTANTE:

Prima dell'acquisto comunicare il codice del display in vostro possesso.

IMPORTANT:

Please let us know the code on your display, before purchasing.

LCD display for Fiat Croma dashboards



SEI-DISP116

Ricondizionato
Refurbished

Display LCD adattabile a quadri strumenti **FIAT CROMA** (modelli dal 2005 al 2010).

Dimensioni: 91x47mm.

Adaptable LCD display to **FIAT CROMA** dashboards (models from 2005 to 2010).

Size: 91x47mm.

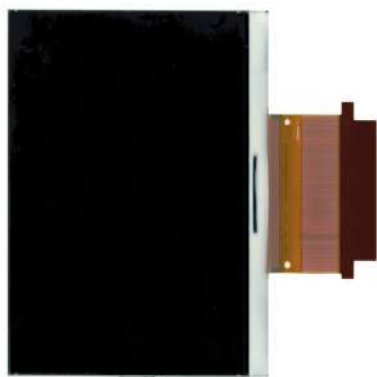
IMPORTANTE:

Prima dell'acquisto comunicare il codice del display in vostro possesso.

IMPORTANT:

Please let us know the code on your display, before purchasing.

LCD display monochromatic TFT for Audi A4/S4/RS4, A5/S5/RS5 and Q5 dashboards



SEI-DISP118

Ricondizionato
Refurbished

Display LCD monocromatico TFT, adattabile a quadri strumenti:

- **AUDI A4/S4/RS4**
(modelli dopo il 2007);
- **AUDI Q5**
(modelli dopo il 2008);
- **AUDI A5/S5/RS5**
(modelli dopo il 2007).

Dimensioni: 63x81mm

Monochromatic TFT LCD display, adaptable to the following instrument clusters:

- **AUDI A4/S4/RS4**
(models after 2007);
- **AUDI Q5**
(models after 2008);
- **AUDI A5/S5/RS5**
(models after 2007).

Size: 63x81mm

LCD display for Alfa Romeo Giulietta/MiTo dashboards



SEI-DISP119

Ricondizionato
Refurbished

Display LCD adattabile a quadri strumenti:

- **ALFA ROMEO GIULIETTA;**
- **ALFA ROMEO MiTo.**

Dimensioni: 94x50mm

LCD display adaptable to the following instrument clusters:

- **ALFA ROMEO GIULIETTA;**
- **ALFA ROMEO MiTo.**

Size: 94x50mm

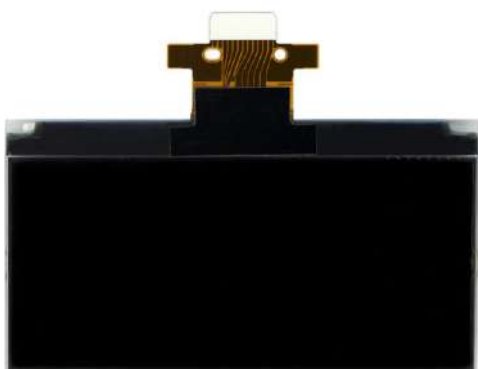
IMPORTANTE:

Prima dell'acquisto comunicare il codice del display in vostro possesso.

IMPORTANT:

Please let us know the code on your display, before purchasing.

LCD display for Lancia Ypsilon dashboards



SEI-DISP120

Ricondizionato
Refurbished

Display LCD adattabile a quadri strumenti:

- **LANCIA YPSILON**
(modelli dal 2011).

Dimensioni: 94x50mm

LCD display adaptable to the following instrument clusters:

- **LANCIA YPSILON**
(models after 2011).

Size: 94x50mm

IMPORTANTE:

Prima dell'acquisto comunicare il codice del display in vostro possesso.

IMPORTANT:

Please let us know the code on your display, before purchasing.

LCD display for fiat 500L dashboards



SEI-DISP121

Ricondizionato
Refurbished

Display LCD adattabile a quadri strumenti:

- **FIAT 500L**

Dimensioni: 94X50 mm

LCD display adaptable to the following instrument clusters:

- **FIAT 500L**

Size: 94x50mm

IMPORTANTE:

Prima dell'acquisto comunicare il codice del display in vostro possesso.

IMPORTANT:

Please let us know the code on your display, before purchasing.

LCD Display for Fiat 500L and Lancia Ypsilon dashboards



SEI-DISP122

Ricondizionato
Refurbished

Display LCD adattabile a quadri strumenti:

- **FIAT 500L;**
- **LANCIA YPSILON**
(modelli dopo il 2011).

Dimensioni: 102x54 mm

LCD display adaptable to the following instrument clusters:

- **FIAT 500L;**
- **LANCIA YPSILON**
(models after 2011).

Size: 102x54 mm

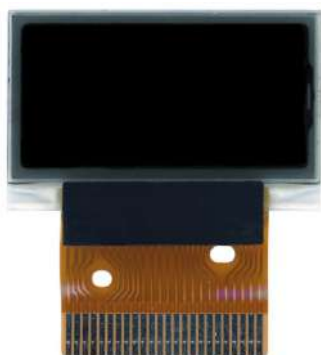
IMPORTANTE:

Prima dell'acquisto comunicare il codice del display in vostro possesso.

IMPORTANT:

Please let us know the code on your display, before purchasing.

LCD display for Alfa Romeo 147 dashboards



SEI-DISP123

Ricondizionato
Refurbished

Display LCD, lato sinistro, adattabile a quadri strumenti:

- **ALFA ROMEO 147.**

Dimensioni: 37,5x24 mm

LCD display, left side, adaptable to the following instrument clusters:

- **ALFA ROMEO 147.**

Size: 37,5x24mm

LCD display for Renault Scénic dashboards



SEI-DISP208

Ricondizionato
Refurbished

Display di ricambio per contachilometri **RENAULT SCÉNIC** (lato sinistro).

Dimensioni: 237x47mm.

Replacement LCD display for **RENAULT SCÉNIC** clusters (left side).

Size: 237x47mm.

LCD display for Renault Scénic dashboards



SEI-DISP209

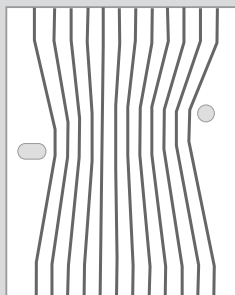
Ricondizionato
Refurbished

Display di ricambio contachilometri **RENAULT SCÉNIC** (lato destro).

Dimensioni: 117x39mm.

Replacement LCD display for **RENAULT SCÉNIC** dashboards (right side).

Size: 117x39mm.



Flat di
ricambio
per quadri
strumenti

Replacement
flat cables for
dashboards

Flat adattabili con contatti
in carbonio per connettere il
display LCD al circuito stampato
del quadro strumenti. Utili per
la riparazione dei quadri in caso
di usura delle strisce conduttive
del flat originale.

La gamma include ricambi
per i quadri strumenti delle
maggiori case automobilistiche
(Alfa, Bmw, Fiat, Opel, Peugeot,
Mercedes, Volkswagen, ecc).

*Flexible flat cables with
carbon contacts to connect
the LCD display to the board.
They are used to repair the
car dashboard in case of
consumption of the strips
of the original flat cable.
The range includes flats
for dashboards of the main
brands (Alfa, Bmw, Fiat,
Opel, Peugeot, Mercedes,
Volkswagen, etc.).*

TUTTI I FLAT HANNO GARANZIA ILLIMITATA
UNLIMITED WARRANTY ON ALL FLATS.

Flat di ricambio per quadri strumenti
Replacement flat cables for dashboards

Pair of flats for Mercedes C/E/CLK/SLK Class dashboards



NOTA: È possibile acquistare separatamente **SEPFLAT01A**
e **SEPFLAT01B** o il kit completo **SEPFLATKIT-01A-B**
che include entrambi i flat.

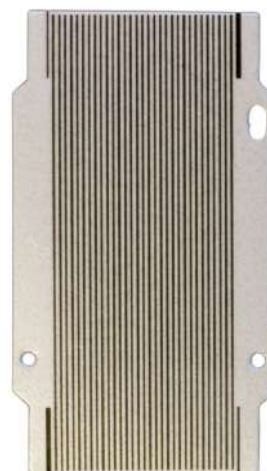
NOTE: It's possible to buy separately **SEPFLAT01A** and
SEPFLAT01B or the complete kit **SEPFLATKIT-01A-B**
that includes both flats.

Coppia di flat di ricambio con
contatti in carbonio, per la
connessione tra il display LCD e il
circuito stampato.
Adattabile ai display laterali dei
quadri strumenti:
• **MERCEDES Classe C W202**
(modelli dal 1997 al 2001);
• **MERCEDES Classe E W210**
(modelli dal 1995 al 2003);
• **MERCEDES CLK W208**
(modelli dal 1997 al 2003);
• **MERCEDES SLK R170**
(modelli dal 1996 al 2004).

Pair of adaptable flats
with carbon contacts for
connecting LCD display to
circuit board.
Adaptable to side displays of
the following dashboards:
• **MERCEDES C Class W202**
(models from 1997 to 2001);
• **MERCEDES E Class W210**
(models from 1995 to 2003);
• **MERCEDES CLK W208**
(models from 1997 to 2003);
• **MERCEDES SLK R170**
(models from 1996 to 2004).

Flat for Mercedes A Class dashboards

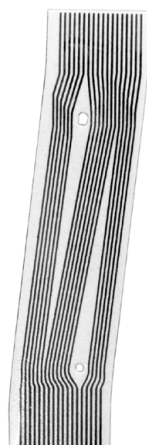
SEPFLAT02



Flat di ricambio adattabile
con contatti in carbonio, per la
connessione tra il display LCD e il
circuito stampato.
Si utilizza su quadri strumenti
MERCEDES Classe A
(modelli dal 2000 al 2003).

Adaptable flat with carbon
contacts to replace the
connection between the LCD
display and the board.
It is used in **MERCEDES A Class**
dashboards
(models from 2000 to 2003).

Flat for Peugeot 206 / Fiat Ulysse dashboards

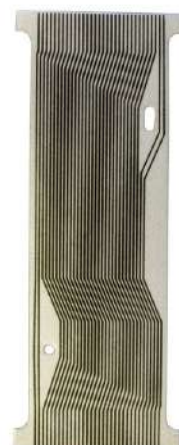


SEPFLAT03

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **PEUGEOT 206** e **FIAT ULYSSE** fino al 2002.

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **PEUGEOT 206** and **FIAT ULYSSE** dashboards until 2002 models.

Flat for Mercedes Vito / Sprinter dashboards



SEPFLAT04

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti MAGNETI MARELLI per **MERCEDES VITO** e **MERCEDES SPRINTER** (modelli fino al 2003).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **MERCEDES VITO** and **MERCEDES SPRINTER**, MAGNETI MARELLI dashboards (models until 2003).

Flat for Bmw E-38, E-39, E-53 and Range Rover dashboards



SEPFLAT05

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti:

- **BMW E-38/E-39** (Serie 5/Serie 7) fino al 2002;
- **BMW E-53** (X5) fino al 2003;
- **RANGE ROVER** fino al 2003.

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in the following dashboards:

- **BMW E-38/E-39** (5-Series/7-Series) until 2002;
- **BMW E-53** (X5) until 2003;
- **RANGE ROVER** until 2003.

Flat for Mercedes C/E/CLK/SLK Class dashboards



SEPFLAT06

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD centrale e il circuito stampato. Si utilizza su quadri strumenti:

- **MERCEDES Classe C** (W202);
- **MERCEDES Classe E** (W210);
- **MERCEDES Classe CLK** (W208);
- **MERCEDES Classe SLK** (R170)

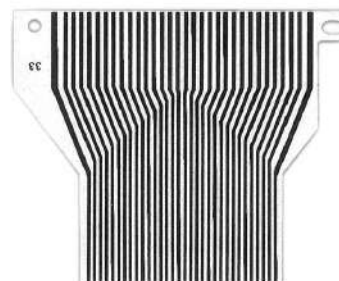
modelli dal 1998 al 2001.

Adaptable flat with carbon contacts to replace the connection between the central LCD display and the board. It is used in the following dashboards:

- **MERCEDES C Class** (W202);
- **MERCEDES E Class** (W210);
- **MERCEDES CLK Class** (W208);
- **MERCEDES SLK Class** (R170)

models ranging from 1998 to 2001.

Flat for Volkswagen Fox dashboards

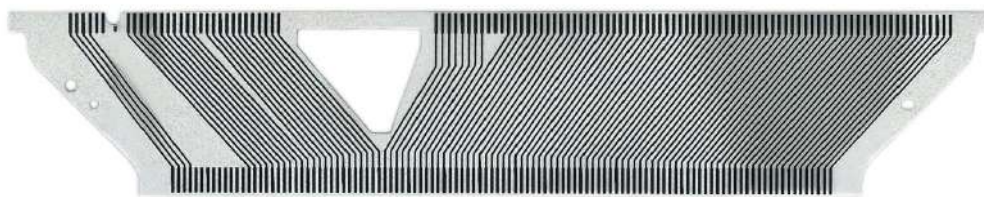


SEPFLAT07

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **VOLKSWAGEN FOX**.

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **VOLKSWAGEN FOX** dashboards.

Flat for Saab 9.3 - 9.5 SID1/SID2 Infocenter

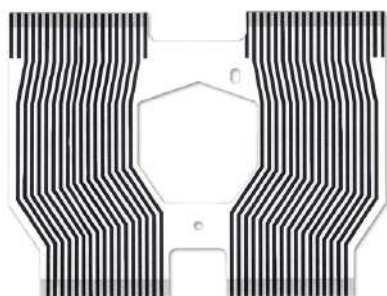


SEPFLAT08

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su Infocenter **SAAB 9.3 - 9.5** SID1/SID2 (modelli dal 1998 al 2002).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **SAAB 9.3 - 9.5** SID1/SID2 Infocenter (from 1998 to 2002 models).

Flat for Smart Fortwo dashboards

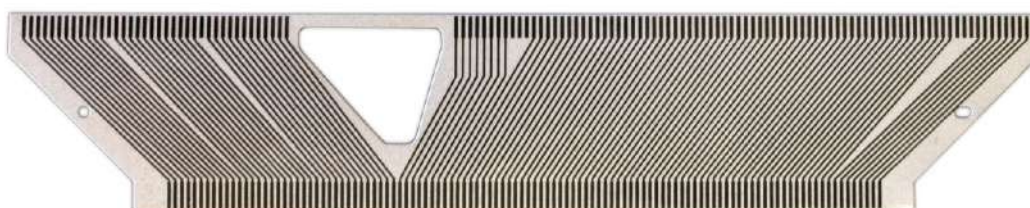


SEPFLAT09

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **SMART Fortwo**, modelli fino al 2006.

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **SMART Fortwo** dashboards, until 2006 models.

Flat for Saab 9.3 - 9.5 SID1 / SID2 Infocenter

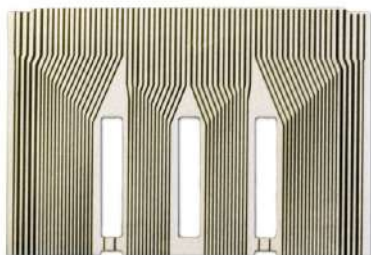


SEPFLAT10

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su Infocenter **SAAB 9.3 - 9.5** SID1/SID2 (modelli dal 1998 al 2002).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **SAAB 9.3 - 9.5** SID1/SID2 Infocenter (from 1998 to 2002 models).

Flat for Opel Astra G / Vectra B Infocenter



SEPFLAT11

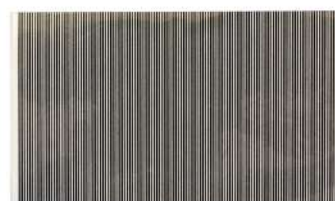
Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su Infocenter **OPEL ASTRA G** e **VECTRA B** (modelli dal 1998 al 2003).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **OPEL ASTRA G** and **VECTRA B** Infocenter (from 1998 to 2003 models).

Flats kit for Opel Vectra B / Omega B / Zafira A Infocenter



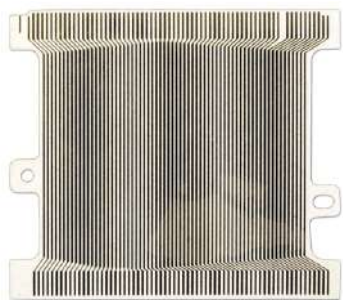
SEPFLAT12



Coppia di flat di ricambio adattabili con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizzano su Infocenter **OPEL VECTRA B**, **OMEGA B** e **ZAFIRA A** (modelli dal 1999 al 2002).

Pair of adaptable flats with carbon contacts to replace the connection between the LCD display and the board. They are used in **OPEL VECTRA B**, **OMEGA B** and **ZAFIRA A** Infocenter (from 1999 to 2002 models).

Flat for Opel Agila Infocenter

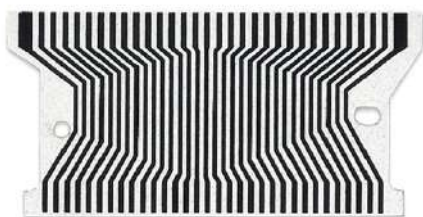


SEPFLAT13

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato.
Si utilizza su Infocenter **OPEL AGILA** modelli fino al 2007.

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board.
It is used in **OPEL AGILA** Infocenter (until 2007 models).

Flat for Opel Astra / Zafira dashboards

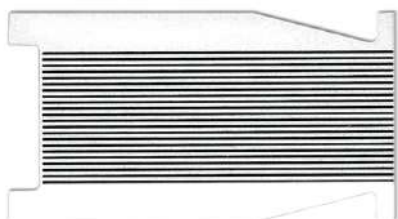


SEPFLAT14

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato.
Si utilizza su quadri strumenti **OPEL ASTRA** e **ZAFIRA** (modelli dal 2004 al 2009).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board.
It is used on **OPEL ASTRA** and **ZAFIRA** dashboards (from 2004 to 2009 models).

Flat for ACC Saab 9.3

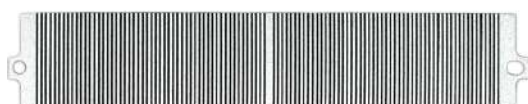


SEPFLAT15

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato.
Si utilizza su display per aria condizionata ACC **SAAB 9.3** (modelli fino al 2003).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board.
It is used in **SAAB 9.3** ACC climate control display (until 2003 models).

Flat for Fiat Punto Blaupunkt Radio Navigation System/ Alfa 156



SEPFLAT16

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato.
Si utilizza per la riparazione del radio navigatore BLAUPUNKT per **FIAT PUNTO** (modelli dal 2000 al 2006) e **ALFA 156** GTA TravelPilot.

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board.
It is used in **FIAT PUNTO** BLAUPUNKT radio navigation system display (from 2000 to 2006 models) and **ALFA 156** GTA BLAUPUNKT TravelPilot.

Flat for Alfa Romeo 164 clima



SEPFLAT17

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato.
Si utilizza su display aria condizionata **ALFA ROMEO 164**.

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board.
It is used in **ALFA ROMEO 164** air conditioning display.

Flat for Piaggio Liberty Moto / Microcar dashboards

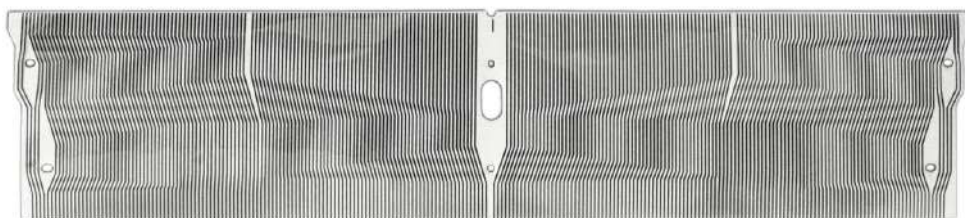


SEPFLAT18

Flat di ricambio adattabile per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti moto **PIAGGIO LIBERTY** e **MICROCAR**.

Adaptable flat to replace the connection between the LCD display and the board. It is used in **PIAGGIO LIBERTY** moto and **MICROCAR** dashboards.

Flat for Bmw E-38 / E-39 / E-53 and Range Rover MID radio



SEPFLAT19

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato.

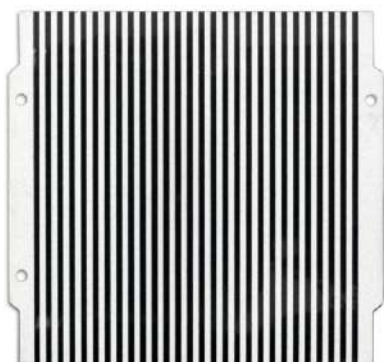
Si utilizza su autoradio MID:

- **BMW E-38/E-39** (Serie 5/Serie 7) fino al 2002
- **BMW E-53** (X5) fino al 2003
- **RANGE ROVER** (modelli dal 1998 al 2003).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in the following MID radios:

- **BMW E-38/E-39** (5-Series/7-Series) until 2002 models
- **BMW E-53** (X5) until 2003
- **RANGE ROVER** (from 1998 to 2003 models).

Flat for Jaguar S-Type dashboards



SEPFLAT20

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **JAGUAR S-TYPE** (modelli dal 2001 al 2003).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **JAGUAR S-TYPE** dashboards (from 2001 to 2003 models).

Flat for Saab 9.5 ACC

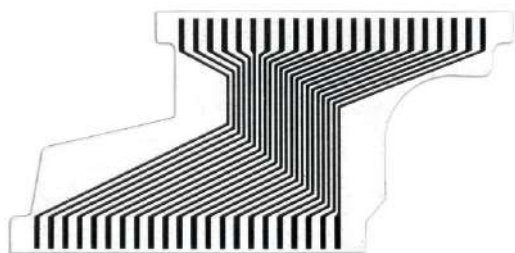


SEPFLAT21

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su display per aria condizionata ACC **SAAB 9.5** (modelli fino al 2003).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **SAAB 9.5 ACC** climate control display (models until 2003).

Flat for Opel Corsa / Meriva dashboards



SEPFLAT22

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato.

Si utilizza su quadri strumenti **OPEL CORSA** e **MERIVA** (modelli dal 2001 al 2006).

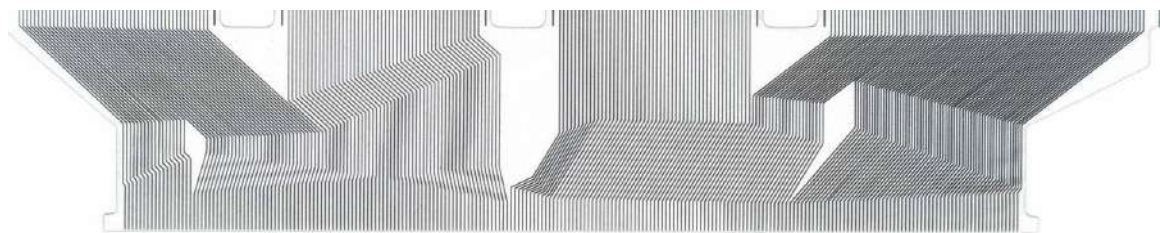
Adaptable flat with carbon contacts to replace the connection between the LCD display and the board.

It is used in **OPEL CORSA** and **MERIVA** dashboards (models from 2001 to 2006).

Minitools flats are always covered by an **unconditional and unlimited warranty!**

I flat Minitools sono coperti da garanzia incondizionata e illimitata!

Flat for Mercedes W210 / W208 / W463 dashboards

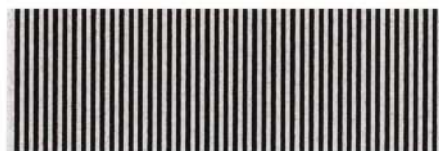


SEPFLAT23

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **MERCEDES W210, W208 e W463** (modelli fino al 1999).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **MERCEDES W210, W208 and W463** dashboards (until 1999 models).

Flat for Bmw E-34 dashboards

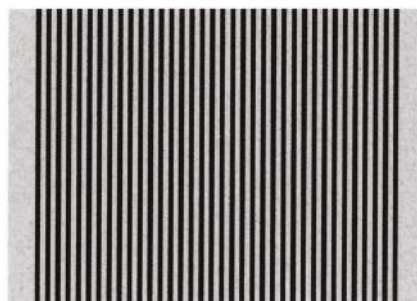


SEPFLAT24

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **BMW E-34** (modelli fino al 1996).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **BMW E-34** dashboards (until 1996 models).

Flat for Massey Ferguson tractor dashboards/John Deere



SEPFLAT25

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti dei trattori **MASSEY FERGUSON** e **JOHN DEERE**.

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **MASSEY FERGUSON** and **JOHN DEERE** tractor dashboards.

Flat di ricambio per quadri strumenti
Replacement flat cables for dashboards

Flat for Volkswagen Gol dashboards



SEPFLAT26

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **VOLKSWAGEN GOL**.

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **VOLKSWAGEN GOL** dashboards.

Flats kit for Porsche 986/996 dashboards

SEPFLAT27



A



B



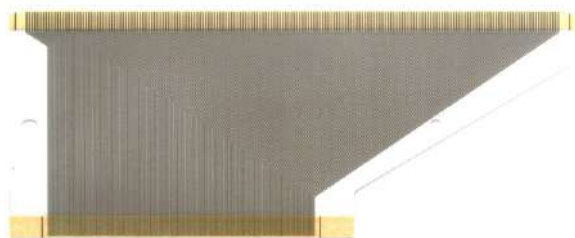
C

Kit composto da tre flat di ricambio adattabili con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizzano su quadri strumenti **PORSCHE 986/996**.

Kit of 3 adaptable flats with carbon contacts to replace the connection between the LCD display and the board. They are used in **PORSCHE 986/996** dashboards.

Flat for Opel Astra G MID

SEPFLAT28



Flat di ricambio adattabile per la connessione tra il display LCD e il circuito stampato. Si utilizza su MID **OPEL ASTRA G** (modelli dopo il 2002).

Adaptable flat to replace the connection between the LCD display and the board. It is used in **OPEL ASTRA G MID** (models after 2002).

NOTA:

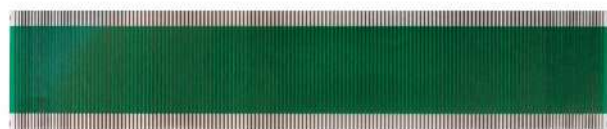
E' consigliato il montaggio del flat da parte di personale qualificato ed esperto.

NOTE:

The flat must be installed just by expert people.

Flat for Peugeot 307 Infocenter

SEPFLAT29



Flat di ricambio adattabile per la connessione tra il display LCD e il circuito stampato. Si utilizza su Infocenter **PEUGEOT 307**.

Adaptable flat to replace the connection between the LCD display and the board. It is used in **PEUGEOT 307** Infocenter.

Flat for Mercedes Viano/Vito dashboards

SEPFLAT30



Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **MERCEDES VIANO** e **VITO** (dal 2003 in poi).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **MERCEDES VIANO** and **VITO** dashboards (from 2003 on).

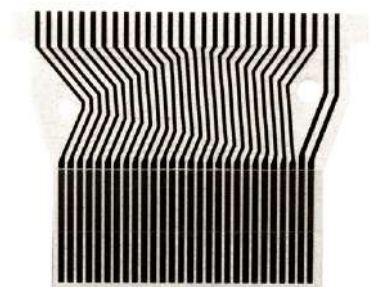
NOTA:

Questo flat sostituisce l'originale di colore verde.

NOTE:

This flat can replace the original green one.

Flat for Nissan Quest dashboards

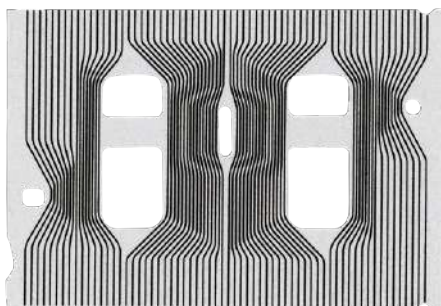


SEPFLAT31

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti di **NISSAN QUEST** (modelli dal 2004 al 2009).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **NISSAN QUEST** dashboards (2004-2009 models).

Flat for Audi dashboards

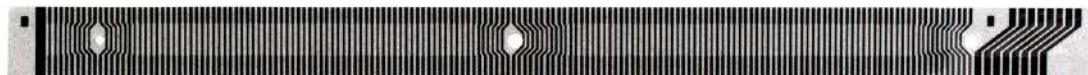


SEPFLAT32

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **AUDI** (modelli VDO fino al 1999).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **AUDI** instrument clusters (VDO models until 1999).

Flat for Bmw E-36/850 MID module



SEPFLAT33

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su MID **BMW E36** (modelli dal 1992 al 1996) e **BMW 850** (modelli dal 1990 al 1999).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **BMW E36** MID module (models from 1992 to 1996) and **BMW 850** MID module (models from 1990 to 1999).

Flat for Volkswagen Camper Van ACC modules



SEPFLAT34

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su modulo aria condizionata **VOLKSWAGEN CAMPER VAN**, tra cui **TRANSPORTER** e **CALIFORNIA**.

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **VOLKSWAGEN CAMPER VAN ACC** climate control display such as **TRANSPORTER** and **CALIFORNIA**.



TEMPI DI
CONSEGNA

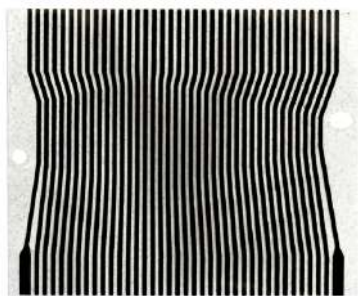
ITALIA: 1-2 gg lavorativi
EU: 1-2 gg lavorativi
NON EU: circa 4 gg lavorativi



DELIVERY
TIME

ITALY: 1-2 working days
EU: 1-2 working days
NON EU: around 4 working days

Flat for Renault New Twingo dashboards

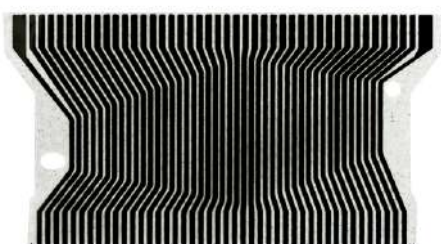


SEPFLAT35

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **RENAULT NEW TWINGO** (dopo il 2007).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **RENAULT NEW TWINGO** dashboards (models after 2007).

Flat for Citroën DS3/C3 dashboards

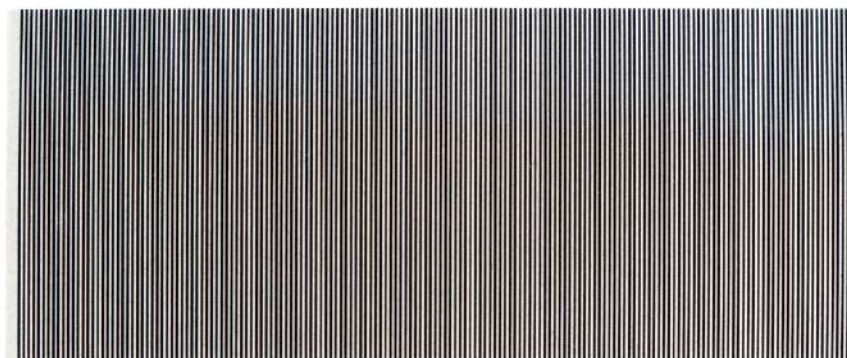


SEPFLAT36

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **CITROËN DS3** e **CITROËN C3** (modelli dal 2010 al 2013).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **CITROËN DS3** dashboards and **CITROËN C3** dashboards (models from 2010 to 2013).

Flat for Opel Vectra B Infocenter

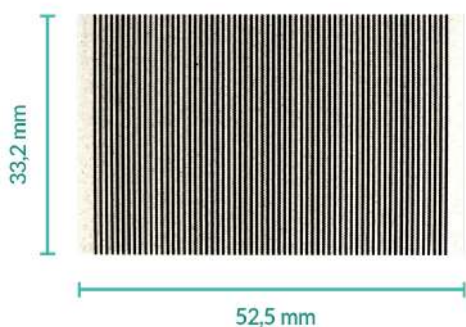


SEPFLAT37

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su Infocenter **OPEL VECTRA B**.

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in **OPEL VECTRA B** Infocenter.

Flat for tractor hour counter

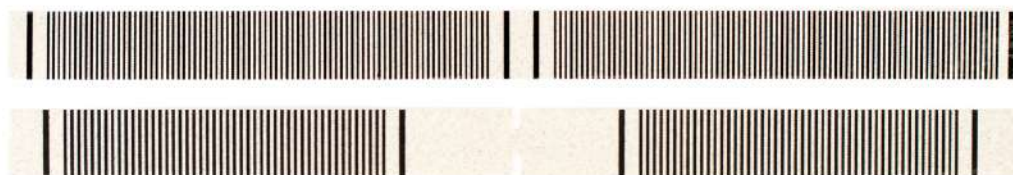


SEPFLAT38

Flat di ricambio adattabile a 64 pin, con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su **strumento contatore per trattori**.

Adaptable flat 64 pins with carbon contacts to replace the connection between the LCD display and the board. It is used in **tractors hour counter**.

Kit 2 flats for Lancia Dedra

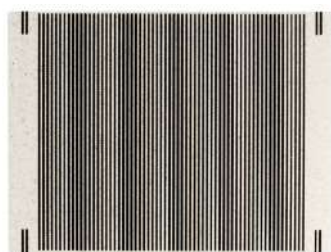


SEPFLAT39

Coppia di flat di ricambio adattabili con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizzano su modulo check control BORG per **LANCIA DEDRA**.

Couple of adaptable flats with carbon contacts to replace the connection between the LCD display and the board. They are used in BORG check control module for **LANCIA DEDRA**.

Flat for Toyota forklifts dashboards

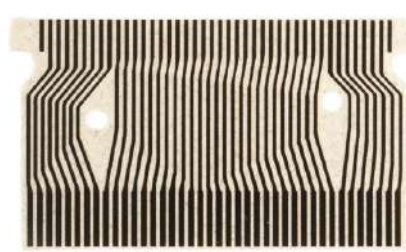


SEPFLAT40

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su vari quadri strumenti per carrello elevatore **TOYOTA**, tra cui 6FB10, 6FB15, 6FB20 (modelli dal 1995 al 2000).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used on several **TOYOTA** forklifts dashboards, such as 6FB10, 6FB15, 6FB20 (models from 1995 to 2000).

Flat for Renault Laguna ACC module

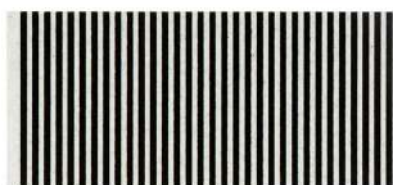


SEPFLAT41

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su moduli aria condizionata **RENAULT LAGUNA** (modelli dal 2000 al 2008).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in ACC climate control modules for **RENAULT LAGUNA** (models from 2000 to 2008).

Flat for Range Rover ACC module

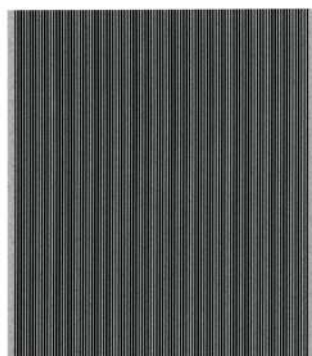


SEPFLAT42

Flat di ricambio adattabile con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su moduli aria condizionata VALEO **RANGE ROVER** (modelli fino al 2003).

Adaptable flat with carbon contacts to replace the connection between the LCD display and the board. It is used in VALEO ACC climate control modules for **RANGE ROVER** (up to 2003 models).

Flat for John Deere tractors



SEPFLAT43

Flat di ricambio adattabile a 100 pin, con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti dei trattori **JOHN DEERE** (modelli dopo il 2007).

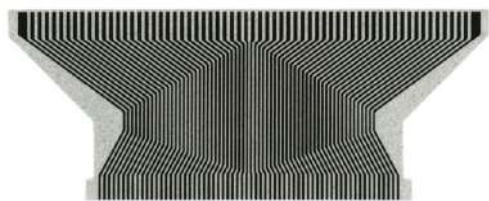
Adaptable flat 100 pins with carbon contacts to replace the connection between the LCD display and the board. It is used in **JOHN DEERE** tractors dashboards (models after 2007).

Size: 78,5x87mm

Dimensioni: 78,5x87mm

Flat di ricambio per quadri strumenti
Replacement flat cables for dashboards

Flat for Volkswagen Polo/Scirocco, Seat Altea/Ibiza/Leon



SEPFLAT44

Flat di ricambio adattabile a 64 pin, con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti:

- **VOLKSWAGEN POLO, SCIROCCO;**
- **SEAT ALTEA, IBIZA, LEON** (modelli dopo il 2008).

Dimensioni: 81x32mm

Adaptable flat 64 pins with carbon contacts to replace the connection between the LCD display and the board. It is used in

- **VOLKSWAGEN POLO, SCIROCCO;**
- **SEAT ALTEA, IBIZA, LEON** dashboards (models after 2008).

Size: 81x32mm

Flat for Volvo B7



SEPFLAT45

Flat di ricambio adattabile a 32 pin, con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su quadri strumenti **VOLVO B7**.

Dimensioni: 82,5x41mm

Adaptable flat 32 pins with carbon contacts to replace the connection between the LCD display and the board. It is used in **VOLVO B7** dashboards.

Size: 82,5x41mm

Flat for SIU Unit Saab 900



SEPFLAT46

Flat di ricambio adattabile a 71 pin, con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su modulo SIU Unit **SAAB 900** (modelli dal 1993 al 1998).

Adaptable flat 71 pins with carbon contacts to replace the connection between the LCD display and the board. It is used in **SAAB 900** SIU Unit module (models from 1993 to 1998).

VDO hourmeter flat for boats



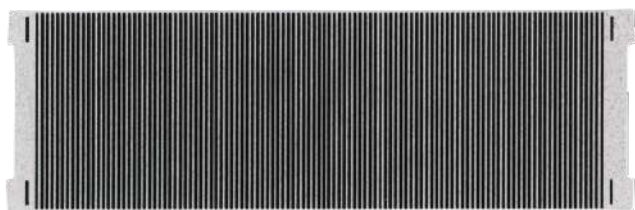
SEPFLAT47

Flat di ricambio adattabile a 6 pin, con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su contaore VDO per barche.

Adaptable flat 6 pins with carbon contacts to replace the connection between the LCD display and the board. It is used in **VDO** hour meter of marine instruments.

Flat for infocenter Citroën C4 and Peugeot 206

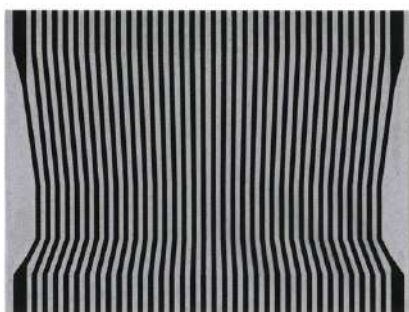
SEPFLAT48



Flat di ricambio adattabile a 111 pin, con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Si utilizza su display multifunzione **CITROËN C4** (modelli dal 2004 al 2009) e Infocenter **PEUGEOT 206** (modelli dal 2006 al 2013).

Adaptable flat 111 pins with carbon contacts to replace the connection between the LCD display and the board. It is used in the following multifunction display: **CITROËN C4** (models from 2004 to 2009) and **PEUGEOT 206** (models from 2006 to 2013).

Flat for Renault Megane 3 instrument clusters



SEPFLAT49

Flat di ricambio a 36 pin, con contatti in carbonio, per la connessione tra il display LCD e il circuito stampato. Adattabile al display centrale dei quadri strumenti **RENAULT MEGANE** (modelli dal 2008 al 2015).

36 pin flat, with carbon contacts, for connecting LCD display to circuit board. Adaptable to central displays of **RENAULT MEGANE** instrument clusters (models from 2008 to 2015).

Flat for tachographs

SEPFLAT8X254



Flat adattabile a 8 pin per tachigrafi
Passo tra i pin: 2,54 mm
Lunghezza: 260 mm

8 pin flat adaptable to tachographs
Pitch size: 2,54 mm
Lenght: 260 mm

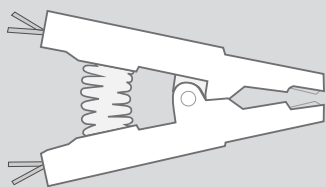
SEPFLAT16X127



Flat adattabile a 16 pin per tachigrafi
Passo tra i pin: 1,27 mm
Lunghezza: 260 mm

16 pin flat adaptable to tachographs
Pitch size: 1,27 mm
Lenght: 260 mm

Flat di ricambio per quadri strumenti
Replacement flat cables for dashboards



Pinze di test e adattatori IC test clips and adapters

Serie di pinze di test per circuiti integrati, gamma di adattatori e strumentazione per l'elettronica. La gamma di test clip consente di pinzare i componenti del circuito senza dissaldarli. Disponibili vari connettori e adattatori per diversi package (DIP, SOIC, MSOP8, ecc) e numero di pin (8/14/16/20/28). Inoltre tra le varie strumentazioni produciamo un cancellatore di EEPROM M35080/M35160, un programmatore universale per Serial EEPROM (EEClip) e un programmatore per microcontrollori della famiglia 908.

A number of clips for IC testing, a range of adapters and several electronic tools. The range of clips for IC testing allows the testing of components without desoldering them from the PCB. Various connectors and adapters are available for several Eeprom packages (DIP, SOIC, MSOP8, etc) and number of pins (8/14/16/20/28). Moreover, among the tools produced by Minitools there are the M35080/M35160 EEPROM eraser, the EEClip (an universal Serial EEPROM programmer) and a microcontroller programmer for 908 MCUs class.

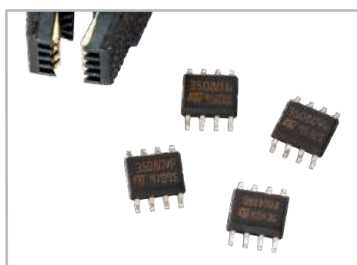
Eraser for M35080 / M35160 Eeprom

Pinze di test e adattatori
IC test clips and adapters



Cancellatore di EEPROM M35080 stand alone, con autoriconoscimento della EEPROM. Cancella l'intero contenuto della memoria compresi i 16 registri incrementali. Riesce a cancellare le EEPROM M35080 di ogni generazione dalla prima alla più recente compresa la M35160. In questo modo è possibile riutilizzare le suddette EEPROM infinite volte. I tempi di azzeramento variano a seconda del modello di EEPROM collegata:

Stand alone M35080 EEPROM eraser with auto-detect. It can erase the whole EEPROM including the 16 incremental registers. It works on M35080 EEPROM starting from the first generation to the most recent, including M35160. In this way EEPROM can be programmed countless times. Erasing time depends on the EEPROM model connected:



Modello memoria	Tempo azzeramento
M35080 M35080-3 M35080-6	1 secondo circa
M35080V6	8 secondi circa

EEPROM model	Erasing time
M35080 M35080-3 M35080-6	about 1 second
M35080V6	about 8 seconds

Contenuto della confezione:

Modulo base cancellatore
Pinza 8 pin
Alimentatore ingresso:
220VAC, uscita: 12VDC (1A)

The kit includes:

Erasing module
8 pins test clip
Power supply:
220VAC/12VDC (1A)

Universal in-circuit SOP8 Serial EEPROM USB device programmer



SEP-EE93



SEP-EE93D



Programmatore universale per dispositivi **Serial EEPROM SOP8**, collegabile attraverso la porta USB di un comune PC. Fornito con software Windows che permette di leggere e scrivere i dispositivi collegati. Per ogni famiglia di EEPROM è previsto un cavo di collegamento con relativa pinza di connessione.

La tabella sotto mostra alcuni dei dispositivi supportati dal software EECLIP. La lista completa include più di **2000** dispositivi.

SOP8 Serial EEPROM universal device programmer which works through PC USB port. Supplied with EECLIP Windows software to read and program the connected device. There is a connection wire, with the related Test Clip, for every EEPROMS' class.

The table below shows some of the supported devices from EECLIP software. The full list includes more than **2000** supported devices.

CONNESSIONE

Ogni cavo è specifico per una categoria di dispositivi: ad esempio con SEP-EE93 si può operare sui dispositivi SOP8 93xx sia a 8 che a 16 bits. Per informazioni sulle caratteristiche tecniche consultare il sito: www.eeclip.com.

CONNECTION CABLE

Each cable is dedicated to specific device categories: for instance with cable 93 you can read all kinds of SOP8 93xx both 8 and 16 bits data. For information about technical features please visit: www.eeclip.com.

Altri adattatori utilizzabili con EECLIP / Other adapters you can use with EECLIP:
SEMTAD19, SEMTAD20, SEMTAD25, SEMTAD33, SEMTAD35, SEMTAD36, SEMTAD40

CODICE/CODE	DESCRIZIONE/ DESCRIPTION
SEP-EECLIP	Programmatore di EEPROM USB "EECLIP"/ EEPROM USB device programmer "EECLIP"
SEP-EE93	Cavo con test clip SOP-8. Dispositivi supportati: / Cable with SOP-8 test clip. Supported devices: 9306, 9346, 9356, 9366, 9376, 9386, 9306A, 9346A 9356A, 9366A, 9376A, 9386A, 93S46, 93S56, 93S66
SEP-EE95	Cavo con test clip SOP-8. Dispositivi supportati: / Cable with SOP-8 test clip. Supported devices: 95010, 95020, 95040, 95080, 95160, 95320, 95640, 95128, 95256, 95512, 95P08, 25010, 25020, 25040, 25080, 25160, 25320, 25640, 25128, 25256
SEP-EE24	Cavo con test clip SOP-8. Dispositivi supportati: / Cable with SOP-8 test clip. Supported devices: 2401, 2402, 2404, 2408, 2416, 2432, 2464, 24128, 24256, 24512
SEP-EE35	Cavo con test clip SOP-8. Dispositivi supportati: / Cable with SOP-8 test clip. Supported devices: 35080: Lettura - Programmazione / 35080: Read - Program 35160: Lettura - Programmazione / 35160: Read - Program
SEP-EECLIP-KIT1	Il kit include: / The kit includes: SEP-EECLIP + SEP-EE93 + SEP-EE95 + SEP-EE24 + SEP-EE35
SEP-EECLIP-KIT2	Il kit include: / The kit includes: SEP-EECLIP(4pz / 4pcs)+ SEP-EE93 + SEP-EE95 + SEP-EE24 + SEP-EE35
SEP-EE24D	Cavo con test clip DIL08. Dispositivi supportati: / Cable with DIL08 test clip. Supported devices: 2401, 2402, 2404, 2408, 2416, 2432, 2464, 24128, 24256, 24512
SEP-EE93D	Cavo con test clip DIL08. Dispositivi supportati: / Cable with DIL08 test clip. Supported devices: 9306, 9346, 9356, 9366, 9376, 9386, 9306A, 9346A, 9356A, 9366A, 9376A, 9386A, 93S46, 93S56, 93S66
SEP-EE95D	Cavo con test clip DIL08. Dispositivi supportati: / Cable with DIL08 test clip. Supported devices: 95010, 95020, 95040, 95080, 95160, 95320, 95640, 95128, 95256, 95512, 95P08, 25010, 25020, 25040, 25080, 25160, 25320, 25640, 25128, 25256
SEI-CCAUSB03	Cavo prolunga USB 30 cm / Extension USB cable; size: 30 cm
SEI-CCAUSB15	Cavo prolunga USB 150 cm / Extension USB cable; size: 150 cm
SEP-ASS-EECLIP	Assistenza telefonica / mail per 1 anno sull'utilizzo del programmatore SEP-EECLIP One year technical support by e-mail starting from the purchase of the programmer SEP-EECLIP

EECLIP lavora in-circuit sulla maggior parte delle schede.
In alcuni casi è necessario dissaldare la EEPROM su cui si intende lavorare.

EECLIP works in-circuit on the majority of the boards.
In some cases it should be necessary to desolder the device.

Pinze di test e adattatori
IC test clips and adapters

It's not a chip,
It's not a connector.
It's **IN-CLIP**



SEP-IN-SOP8EM

SEP-IN-DIL8EM



IN-CLIP è il nuovo sistema per la programmazione "in-circuit".

E' un sistema che si compone di 2 parti:

1. la test clip SOP8 (vedi SEP-IN-TC08SOP1);
2. il dispositivo SOP8 (SEP-IN-SOP8EM) o DIL8 (SEP-IN-DIL8EM).

IN-CLIP consente un notevole risparmio a più livelli:

- **economico:** perchè il dispositivo costa meno di 3 centesimi di euro contro il costo superiore di un connettore;
- **dimensionale:** perchè occupa lo spazio di un componente SOP8 contro le dimensioni classiche di un connettore notevolmente maggiori;
- **temporale:** perchè, attraverso la test clip, si interfaccia velocemente con un qualunque dispositivo, consentendo una rapida programmazione o un rapido aggiornamento della scheda sulla quale è installato.

IN-CLIP è un marchio di Savix Srl.

IN-CLIP is the new system for "in-circuit" programming.

IN-CLIP is composed of:

1. the SOP8 test clip (read SEP-IN-TC08SOP1);
2. the SOP8 (SEP-IN-SOP8EM) or DIL8 (SEP-IN-DIL8EM) device.

IN-CLIP allows you to save money in several ways:

- **economic reason:** the device costs less than € 0,03 vs the higher cost of a common connector;
- **dimensional reason:** the device is a SOP8 package vs the larger dimensions of a common connector;
- **time reason:** through the test clip the device can quickly be connected and it can program or update the circuit on which it is installed in a very easy way.

IN-CLIP is a brand of Savix Srl.



TEMPI DI
CONSEGNA

ITALIA: 1-2 giorni

EU: 1-2 giorni

NON EU: circa 4 gg lavorativi



DELIVERY
TIME

ITALY: 1-2 days

EU: 1-2 days

NON EU: around 4 working days

SOIC test clip

Pinza utilizzabile per il test di circuiti integrati in formato SOIC o per la programmazione di Serial EEPROM.

Consente di **pinzare i dispositivi senza dissaldarli**.

I contatti sono placcati in oro per una perfetta connessione e si agganciano al componente sia saldato che dissaldato.

Il materiale di costruzione non è soggetto ad usura nel tempo, anche in caso di utilizzo poco attento, e può resistere a temperature fino a 150°C.

La pinza può essere acquistata per componenti 8, 14, 16, 20 e 28 pin.

This test clip is created for testing SOIC components or for programming Serial EEPROMs.

Using this test clip you can **work on board**.

Gold plated contacts ensuring a perfect, strong connection between the clip and the EEPROM, either soldered or desoldered on the PCB.

The test clip can resist up to 150°C, because of the material used.

It can be ordered for 8, 14, 16, 20 and 28 pins components.

SEP-IN-TC08SOP1

Test Clip SOP08 | Apertura/gap 5mm



SEP-IN-TC20SOP1

Test Clip SOP20 | Apertura/gap 5mm



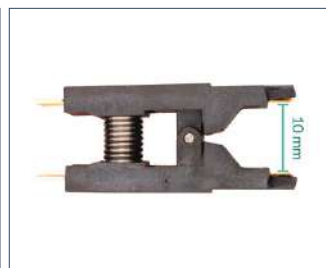
SEP-IN-TC14SOP1

Test Clip SOP14 | Apertura/gap 5mm



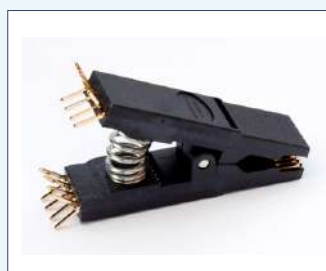
SEP-IN-TC20SOP2

Test Clip SOP20 | Apertura/gap 10mm



SEP-IN-TC16SOP1

Test Clip SOP16 | Apertura/gap 5mm



SEP-IN-TC28SOP1

Test Clip SOP28 | Apertura/gap 5mm



Nota: I codici SEMT00805-8, SEMT00805-14, SEMT00805-16 sono stati sostituiti dai codici SEP-IN-TC08SOP1, SEP-IN-TC14SOP1 e SEP-IN-TC16SOP1.

Note: Codes SEMT00805-8, SEMT00805-14, SEMT00805-16 have been replaced by codes SEP-IN-TC08SOP1, SEP-IN-TC14SOP1 and SEP-IN-TC16SOP1.

SEP-IN-TC28SOP2

Test Clip SOP28 | Apertura/gap 10mm



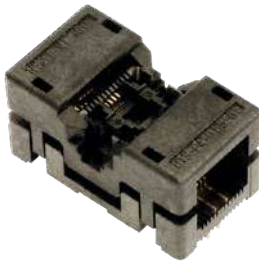
Sockets



SEI-SO-SOP8



SEI-SO-SOIJ8



SEI-SO-TSSOP8



SEI-SO-MSOP8



SEI-SO-SOT23-6 *



SEI-SO-DFN8

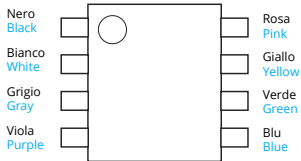
* questo zoccolo può essere utilizzato con componenti SOT23-5 e SOT23-6.
 * This socket can be used with SOT23-5 and SOT23-6 devices.

Pinze di test e adattatori
 IC test clips and adapters

SOP8 Cabled clip



SEMT00805-8C



Pinza cablata per uso generico, utilizzabile in base alle proprie esigenze.
 Generic cabled clip to use according to all needs.

8 Pin DIL test clip



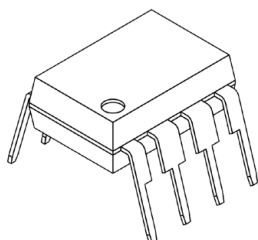
SEI-DIL08

Pinza di test per componenti DIL8.
 Test clip for DIL8 devices.

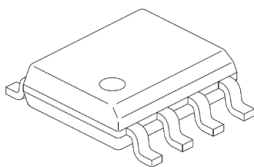
Serial EEPROM adapters

Gli adattatori Minitools si usano per lavorare sui dispositivi Serial EEPROM con i seguenti packages:

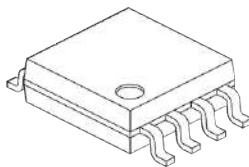
Minitools adapters are used to work on Serial EEPROM devices with the following packages:



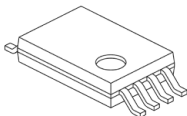
DIL8



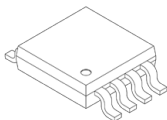
SOP8



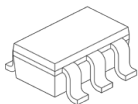
SOIJ8



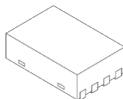
TSSOP8



MSOP8



SOT23-5/6



DFN8

Matrice di corrispondenza adattatori Minitools

Minitools adapters matrix

Sorgente Source ↓ Destinazione Destination →		DIL8 PIN	SOP8-IN-CLIP	DIL8-IN-CLIP	DIL8-PIN SWITCH	SOP8 CLIP	SOP8-IN-CLIP/ DIL8-IN-CLIP SWITCH	DIGA	ENIGMA	DP3
SOCKET	DIL8		SEMTAD25	SEMTAD26	SEMTAD39		SEMTAD40	SEMTAD23	SEMTAD24	SEMTAD30
	SOP8	SEMTAD01								
	SOIJ8	SEMTAD37	SEMTAD35	SEMTAD35						
	TSSOP8	SEMTAD06	SEMTAD20	SEMTAD22				SEMTAD16	SEMTAD18	SEMTAD32
	MSOP8	SEMTAD05	SEMTAD19	SEMTAD21				SEMTAD15	SEMTAD17	SEMTAD31
	SOT23-5/6	SEMTAD34	SEMTAD33	SEMTAD33						
	DFN8	SEMTAD38	SEMTAD36	SEMTAD36						
PCB	SOP8	SEMTAD02								
	TSSOP8	SEMTAD29								
	MSOP8	SEMTAD28								
	SOT23-5/6	SEMTAD27								
CLIP	DIL8	SEMTAD08								
	SOP8	SEMTAD03				SEMTAD41		SEMTAD04B	SEMTAD13	SEMTAD14

Pinze di test e adattatori
IC test clips and adapters

DIL 8 adapters



SEM-TAD01

**Adapter socket
from SOP8
SOCKET to DIL8
PIN**



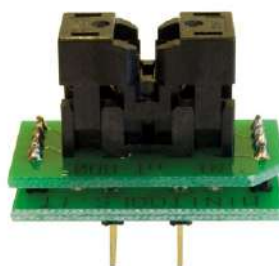
SEM-TAD37

**Adapter socket
from SOIJ8
SOCKET to DIL8
PIN**



SEM-TAD06

**Adapter socket
from TSSOP8
SOCKET to DIL8
PIN**



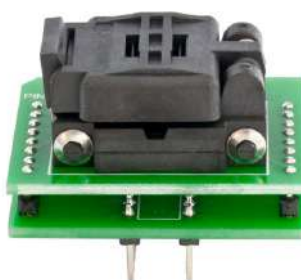
SEM-TAD05

**Adapter socket
from MSOP8
SOCKET to DIL8
PIN**



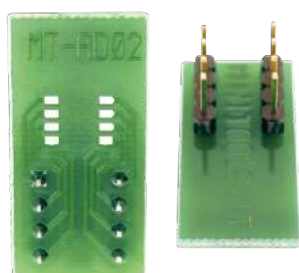
SEM-TAD34

**Adapter socket
from SOT23-5/6
SOCKET to DIL8
PIN**



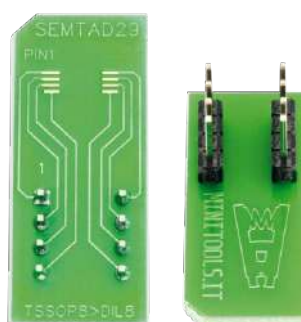
SEM-TAD38

**Adapter socket
from DFN8
SOCKET to DIL8
PIN**



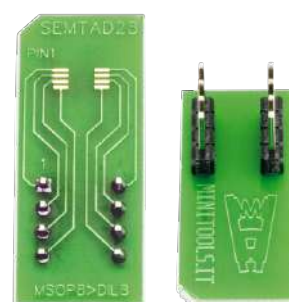
SEM-TAD02

**Adapter board
from SOP8 PCB
to DIL8 PIN**



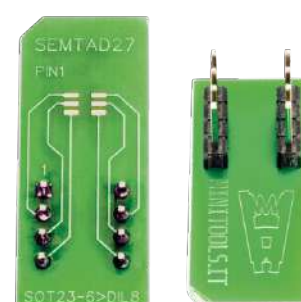
SEM-TAD29

**Adapter socket
from TSSOP8
PCB to DIL8 PIN**



SEM-TAD28

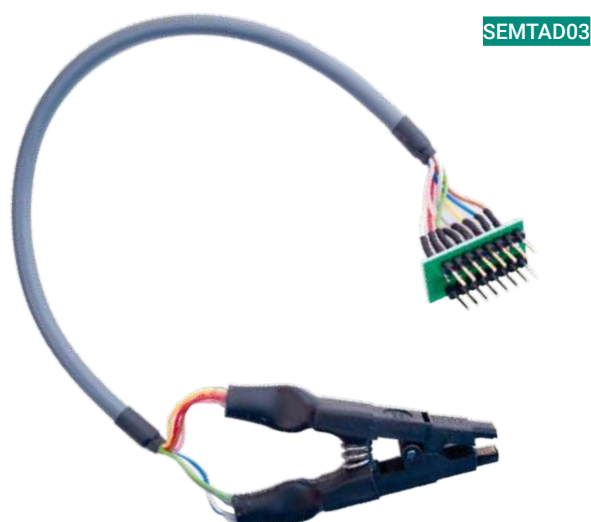
**Adapter socket
from MSOP8
PCB to DIL8 PIN**



SEM-TAD27

**Adapter socket
from SOT23-5/6
PCB to DIL8 PIN**

Adapter clip from SOP8 CLIP to DIL8 PIN



SEMTAD03

Wired test clip from DIL8 CLIP to DIL8 PIN



SEMTAD08

SOP8 IN-CLIP/DIL8 IN-CLIP adapters

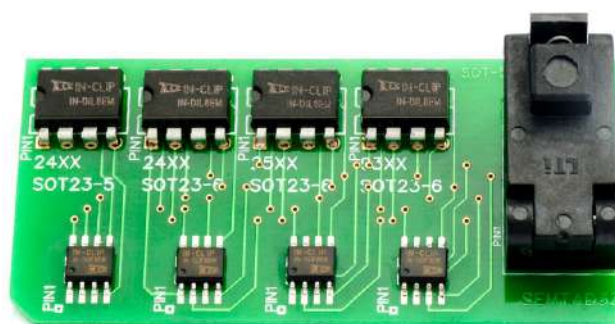


SEMTAD35

Adapter socket
from SOIJ8
SOCKET to SOP8/
DIL8 IN-CLIP

Adapter socket from SOT23-5/6 SOCKET
to SOP8/DIL8 IN-CLIP

SEMTAD33



SEMTAD36

Adapter socket
from DFN8
SOCKET to
SOP8/DIL8 IN-
CLIP



SEMTAD25

Adapter socket
from DIL8
SOCKET to
SOP8-IN-CLIP



SEMTAD26

Adapter socket
from DIL8
SOCKET to
DIL8-IN-CLIP

Pinze di test e adattatori
IC test clips and adapters



SEMAD20

**Adapter socket
from TSSOP8
SOCKET to
SOP8-IN-CLIP**



SEMAD22

**Adapter socket
from TSSOP8
SOCKET to
DIL8-IN-CLIP**



SEMAD19

**Adapter socket
from
MSOP8
SOCKET to
SOP8-IN-CLIP**

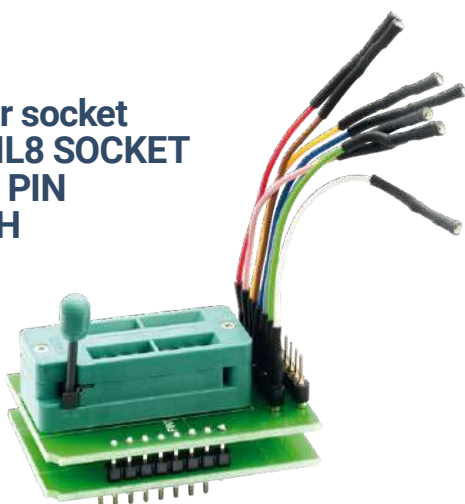


SEMAD21

**Adapter socket
from
MSOP8
SOCKET to
DIL8-IN-CLIP**

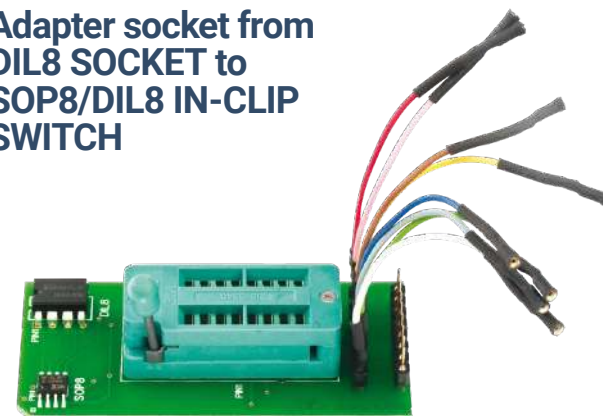
SEMAD39

**Adapter socket
from DIL8 SOCKET
to DIL8 PIN
SWITCH**



SEMAD40

**Adapter socket from
DIL8 SOCKET to
SOP8/DIL8 IN-CLIP
SWITCH**



Utilizzando questo adattatore, è possibile lavorare su EEPROM con pin-out standard e non standard. SEMAD39 si interfaccia con programmatori forniti di zoccolo DIL.

Using this adapter, it is possible to work on EEPROM with standard and not standard pin-out. SEMAD39 can be connected to programmers with DIL socket.

Utilizzando questo adattatore, è possibile lavorare su EEPROM con pin-out standard e non standard. SEMAD40 si interfaccia attraverso il dispositivo SOP8 o DIL8 IN-CLIP con programmatori che si collegano attraverso Test Clip.

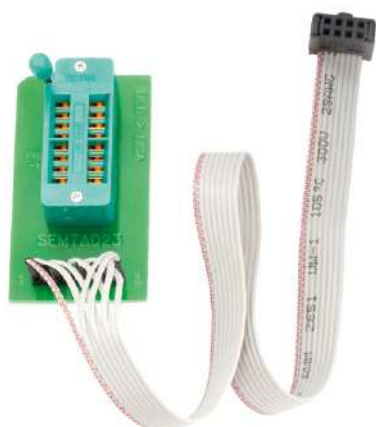
Using this adapter, it is possible to work on EEPROM with standard and not standard pin-out. SEMAD40 can be connected through the SOP8 or DIL8 IN-CLIP device to programmers that work with Test Clip.



SEMAD41

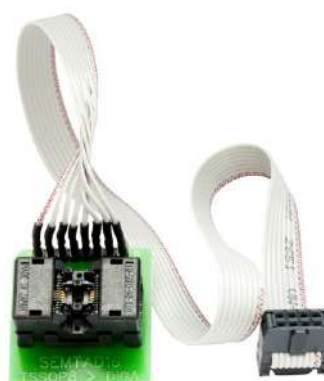
**Adapter cable from
SOP8 CLIP to SOP8 CLIP**

DIGA adapters



SEM-TAD23

**Adapter socket
from DIL8
SOCKET to
DIGA**



SEM-TAD16

**Adapter socket
from TSSOP8
SOCKET to
DIGA**



SEM-TAD15

**Adapter
socket from
MSOP8
SOCKET to
DIGA**



SEM-TAD04B

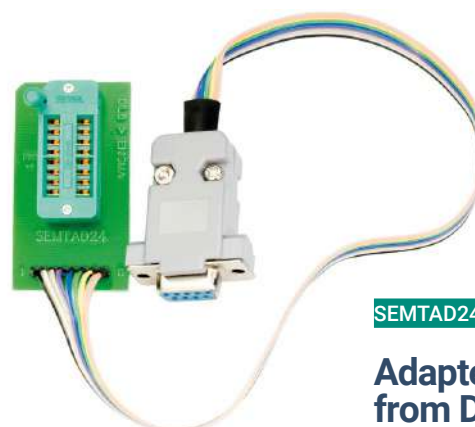
**Adapter clip
from SOP8 CLIP
to DIGA**

ENIGMA adapters



SEM-TAD18

**Adapter socket
from TSSOP8
SOCKET to
ENIGMA**



SEM-TAD24

**Adapter socket
from DIL8
SOCKET to
ENIGMA**



SEMTAD17

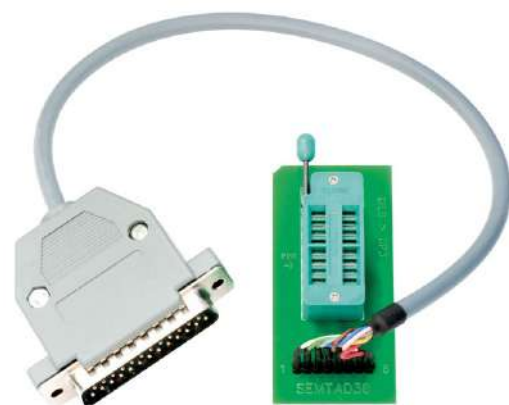
**Adapter socket
from MSOP8
SOCKET to
ENIGMA**



SEMTAD13

**Adapter clip
from
SOP8 CLIP to
ENIGMA**

DP3 adapters



SEMTAD30

**Adapter socket
from DIL8
SOCKET to DP3**



SEMTAD14

**Adapter clip
from SOP8 CLIP
to DP3**



SEMTAD32

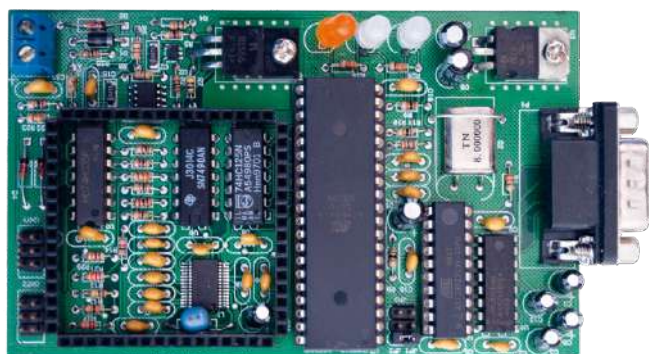
**Adapter socket
from TSSOP8
SOCKET to DP3**



SEMTAD31

**Adapter socket
from MSOP8
SOCKET to DP3**

908 MCU programmer



SEP-SAVI908

Dispositivo di programmazione dei microcontrollori della famiglia 908 Motorola/Freescale, tra cui: **MC68HC908AZ60 CFU 2J74Y**; **MC908AZ60A CFU 3K85K** e altri. I suddetti MCU vengono montati su diversi tipi di contachilometri e centraline.

Programmer of Motorola/ Freescale 908 devices, such as: **MC68HC908AZ60 CFU 2J74Y**; **MC908AZ60A CFU 3K85K** and others.

These MCUs are usually installed on some models of dashboards and control units.



SEP-ASS908

Assistenza telefonica / mail per 1 anno sull'utilizzo del programmatore SEP-SAVI908
One year technical support by e-mail starting from the purchase of the programmer SEP-SAVI908

QFP64 adapter socket for 908 MCU programmer



SEMTAD07

Zoccolo adattatore per programmatore 908, che consente la connessione veloce con i microcontrollori della famiglia 908 Motorola/Freescale, tra cui: **MC68HC908AZ60 CFU**, **MC908AZ60A CFU** e altri (contenitore **QFP64** con 0,8mm di passo tra i pin).

This adapter socket for 908 MCU programmer allows a fast connection with Motorola/ Freescale 908 devices, such as: **MC68HC908AZ60 CFU**, **MC908AZ60A CFU** and some others (with **QFP64** package and 0,8mm pitch size).



SEI-908

Motorola MCU
MC68HC908AZ60 CFU 2J74Y

Package: QFP64 PIN



SEI-908A

Freescale MCU
MC908AZ60A CFU 3K85K

Package: QFP64 PIN



SEI-908-1L87J

Freescale MCU
MC908AZ60A CFU 1L87J

Package: QFP64 PIN

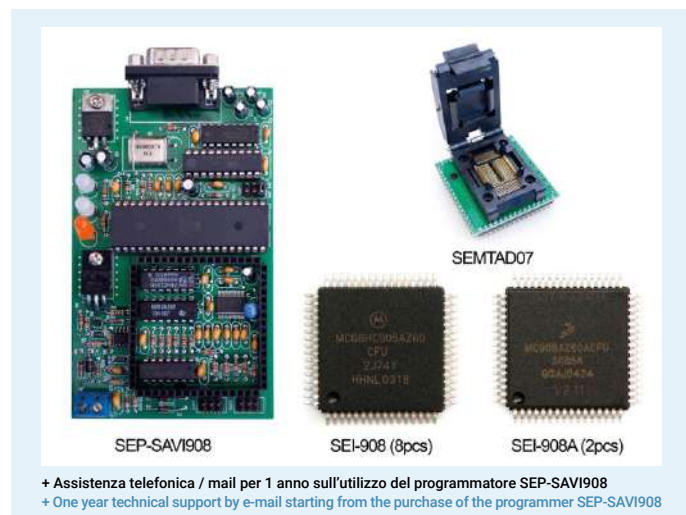


SEI-908-8H62A

Motorola MCU
XC68HC908AZ60 CFU 8H62A

Package: QFP64 PIN

Pinze di test e adattatori
IC test clips and adapters



+ Assistenza telefonica / mail per 1 anno sull'utilizzo del programmatore SEP-SAVI908
+ One year technical support by e-mail starting from the purchase of the programmer SEP-SAVI908

Kit for MCU 908 programming

SEP-SAVI908KIT

Il kit include:

- 1 programmatore MCU 908 (SEP-SAVI908);
- 1 zoccolo adattatore QFP64 (SEMTAD07);
- 8pz MCU MC68HC908AZ60 CFU 2J74Y (SEI-908);
- 2pz MCU MC908AZ60A CFU 3K85K (SEI-908A);
- 1 anno di assistenza tecnica telefonica sull'utilizzo del programmatore (SEP-ASS908).

The kit consists of:

- 1 MCU 908 programmer (SEP-SAVI908);
- 1 adapter socket QFP64 (SEMTAD07);
- 8pcs MCU MC68HC908AZ60 CFU 2J74Y (SEI-908);
- 2pcs MCU MC908AZ60A CFU 3K85K (SEI-908A);
- 1 year of technical support by e-mail on programmer use (SEP-ASS908).

Micrograbber test clip



SEI-TC08

Micro pinza in grado di agganciare pin di componenti SMD ad es. QFP con passo 0,8mm o 0,65mm.

Micro test clip that can grab SMDs pins, for instance QFP with pitch ranging from 0,8 mm to 0,65 mm.

Grabber clips



SEI-TC10

Pinzette per agganciare componenti SMD, con passo tra i pin di 1,27mm, o componenti DIP con passo 2,54mm.

Dimensioni: lunghezza 52mm, punta 2,4mm.

Colori: giallo, rosso, blu e nero.

Confezione: 5 pezzi.

Micro clips to grab SMDs with 1,27mm pitch size, or DIP components with 2,54 mm pitch size.

Size: length 52 mm, tip 2,4 mm.

Colours: yellow, red, blue and black.

Package: 5 pcs.

Insulated alligator clips



SEI-COC-R

SEI-COC-G

SEI-COC-B

SEI-COC-V

SEI-COC-N

Disponibili nei colori in figura.

Lunghezza: 38mm;

Massima apertura: 7mm.

Confezione: 50 pezzi.

Available in colours in the picture.

Length: 38mm;

Maximum opening: 7mm.

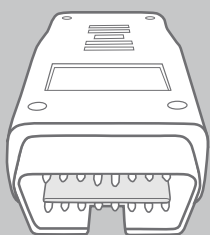
Package: 50 pcs.

99% dei prodotti
in PRONTA
CONSEGNA

99% of products
in PROMPT
DELIVERY

 minitools

www.mini.tools



Adattatori per diagnosi

Diagnostic adapters

Connettori e adattatori per diagnosi.

Prese per la diagnostica e il controllo dell'auto, da quelle specifiche per Bmw e Mercedes alla generica e standard OBD2 (OBD-II).

Stampate con metodo a iniezione di plastica, garantiscono robustezza, versatilità e lunga durata.

Adapters and connectors for diagnosis.

Connectors for diagnosis and checking of the car, from those specific for Bmw and Mercedes to the generic and standard OBD2 (OBD-II).

Printed with plastic injection molding technique, they can ensure complete versatility and durability.

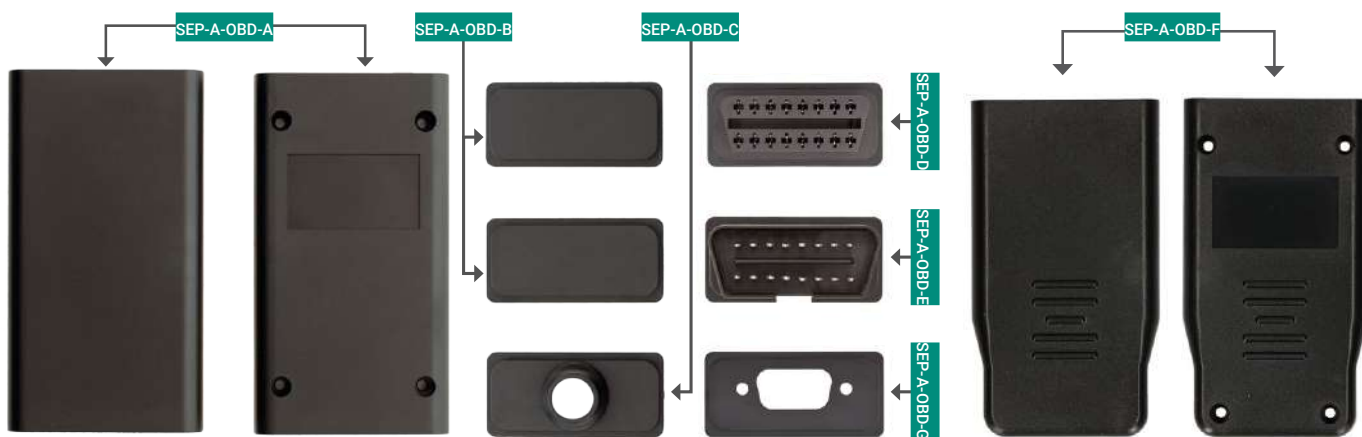
OBD2 modular diagnostic connector

Codice / Code	Descrizione / Description
SEP-A-OBD-A	Contenitore centrale / <i>Central box</i>
SEP-A-OBD-B	Due tappi laterali / <i>2 Sides caps</i>
SEP-A-OBD-C	Tappo passacavo / <i>Fairleads cap</i>
SEP-A-OBD-D	OBD2 femmina / <i>Female OBD2</i>
SEP-A-OBD-E	OBD2 maschio / <i>Male OBD2</i>
SEP-A-OBD-F	Tappo fresato per connettore a vaschetta 9 poli / <i>Milled cap for 9 pin D-sub connector</i>
SEP-A-OBD-G	Contenitore centrale / <i>Central box</i>



Prodotto personalizzabile!
Customizable product!

Adattatori per diagnosi
Diagnostic adapters



Connettore diagnosi **componibile**. Si può acquistare ogni singolo pezzo ed assemblarlo in base alle proprie esigenze.

Es: se si acquistano i pezzi SEP-A-OBD-A + SEP-A-OBD-B si possono assemblare ed usare come semplice contenitore per l'elettronica. Se, invece, si acquista SEP-A-OBD-A + SEP-A-OBD-D + SEP-A-OBD-E, si assembla una presa diagnosi OBD2 da maschio a femmina.

Dimensioni:

SEP-A-OBD-A : 88x48x24mm

SEP-A-OBD-F : 86x48x24mm

Colore: Nero

Modular diagnostic connector. You can buy every single piece and assemble it according to your requirements.

Eg: if you buy SEP-A-OBD-A + SEP-A-OBD-B you can build an electronic box.

If you buy SEP-A-OBD-A + SEP-A-OBD-D + SEP-A-OBD-E, you can build an OBD2 diagnostic connector male/female.

Size:

SEP-A-OBD-A : 88x48x24mm

SEP-A-OBD-F : 86x48x24mm

Colour: Black

OBD2 female diagnostic connector



SEP-F-OB2

Presenza diagnosi OBD2 femmina (16 pin interamente montati) disassemblata, da cablare in base alle proprie esigenze. Inoltre la presa può essere stampata con marchio personalizzato per grandi quantitativi.

Dimensioni: 48x24x99mm

Colore: nero

OBD2 female diagnostic connector (16 pin totally fixed) is ready to be assembled following customers needs. This tool can be printed with your brand for large quantities.

Size: 48x24x99

Colour: black

OBD2 male diagnostic connector



SEP-M-OB2

Presenza diagnosi OBD2 maschio (16 pin interamente montati) disassemblata, da cablare in base alle proprie esigenze. Inoltre la presa può essere stampata con marchio personalizzato per grandi quantitativi.

Dimensione: 48x24x101mm

Colore: nero

OBD2 male diagnostic connector (16 pin totally fixed) is ready to be assembled following customers needs. This tool can be printed with your brand for large quantities.

Size: 48x24x101mm

Colour: black

Mercedes diagnostic connector



SEP-M-MB

Presenza diagnosi Mercedes
Num. Pin: 38
Colore: nero

Mercedes diagnostic connector

No. Pins: 38
Colour: black

Bmw diagnostic connector



SEP-M-BMW

Presenza diagnosi BMW
Num. Pin: 20
Colore: nero

Bmw diagnostic connector

No. Pins: 20
Colour: black

Electronic case



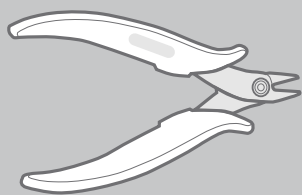
SEP-BOX-003

Contenitore in ABS-V0 per l'elettronica.

Dimensioni: 130x80x30mm
Colore: nero.

Electronic case made of ABS-V0.

Size: 130x80x30mm
Colour: black.



Attrezzatura per riparazione

Repair tools

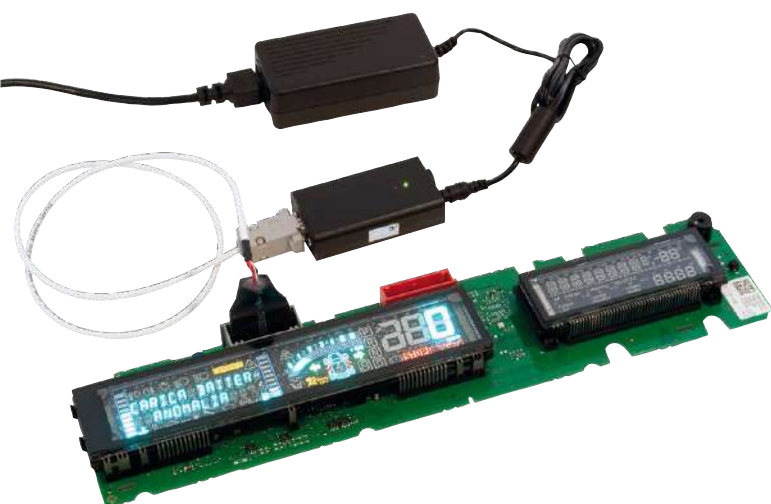
Strumentazione e attrezzatura per la riparazione di contachilometri. Una gamma di strumenti e utensili studiati per aiutare e assistere l'autoriparatore negli interventi sui quadri strumenti.

Dal set di pinze e tronchesine a marchio Minitools, ai generatori CAN BUS specifici per la riparazione di Renault, Volvo, Audi, ecc, fino alle zoom camera Videozoom per lavorare comodamente sulle schede elettroniche.

Tools and equipment for instrument cluster repair. A range of instruments and tools designed to help and assist the operators during speedometer and cluster repairs. From the set of Minitools clips and cutters, to CAN BUS generators specific for the cluster repair of Renault, Volvo, Audi, etc, to zoom cameras (Videozoom) to work comfortably on instrument clusters'boards.

Can generator for Renault Scénic dashboards

SEP-CAN-SCE



Il generatore CAN permette di alimentare il quadro strumenti della **RENAULT Scénic** 2003-2009, direttamente sul banco prova, fornendo i segnali CAN BUS, senza dover ricollegare il quadro all'autoveicolo.

This CAN generator, by providing CAN BUS signals, allows you to power on the **RENAULT Scénic** 2003-2009 instrument clusters directly on work-desk without putting it on the car.

CARATTERISTICHE TECNICHE

Tensione di alim.	12VDC
Corrente assorbita	2,5 A max
Corrente di spunto	5A
Dimensioni	88x48x24 mm
Peso	73 gr

SPECIFICATIONS

Power supply voltage	12VDC
Absorbed current	2,5 A max
Inrush current	5A
Size	88x48x24 mm
Weight	73 gr

Il pacchetto comprende:

- Generatore CAN
- Alimentatore 12V 5A
- Cavo di collegamento al quadro strumenti
- Assistenza tecnica telefonica
- 1 kit di componenti per 10 riparazioni.

The package includes:

- CAN generator
- Power Supply 12V 5A
- Dashboard connector cable
- Technical assistance
- 1 kit of components for 10 repairs.

Refurbished spare board for Renault Scénic dashboards



SER-SCENIC-C

Ricondizionato
Refurbished

Scheda sostitutiva ricondizionata per contachilometri **RENAULT Scénic** completa dei 2 display (modelli dal 2003 al 2009).

Garanzia 12 mesi.

Fornita senza le parti in plastica anteriore e posteriore.

Refurbished **RENAULT Scénic** clusters' main board with 2 displays on board (models from 2003 to 2009).

12 months warranty.

It is supplied without front and rear plastic covers.

CAN generator for Volvo dashboards

SEP-CAN-VOL



Il generatore CAN permette di alimentare i quadri strumenti **VOLVO S60, S70, V70, S80 e XC90** (dal 2000 al 2006, connettore verde) direttamente sul banco prova.

This CAN generator allows you to power on the following instrument clusters: **VOLVO S60, S70, V70, S80 and XC90** (from 2000 to 2006, green connector) directly on work-desk.

CARATTERISTICHE TECNICHE

Tensione di alim.	12VDC
Corrente assorbita	2,5 A max
Corrente di spunto	5A
Dimensioni	88x48x24 mm
Peso	73 gr

SPECIFICATIONS

Power supply voltage	12VDC
Absorbed current	2,5 A max
Inrush current	5A
Size	88x48x24 mm
Weight	73 gr

Il pacchetto comprende:

- Generatore CAN
- Alimentatore 12V 5A
- Cavo di collegamento al quadro strumenti
- Assistenza tecnica telefonica.

The package includes:

- CAN generator
- Power Supply 12V 5A
- Dashboard connector cable
- Technical assistance.

CAN generator for Audi A6 and Q7 dashboards

SEP-CAN-A6



Il generatore CAN permette di alimentare i quadri strumenti **AUDI A6 e Q7** (modelli dal 2004 al 2010, connettore grigio) direttamente sul banco prova.

This CAN generator allows to power on the following instrument clusters: **AUDI A6 and Q7** (models from 2004 to 2010, grey connector) directly on work-desk.

CARATTERISTICHE TECNICHE

Tensione di alim.	12VDC
Corrente assorbita	2,5 A max
Corrente di spunto	5A
Dimensioni	88x48x24 mm
Peso	73 gr

SPECIFICATIONS

Power supply voltage	12VDC
Absorbed current	2,5 A max
Inrush current	5A
Size	88x48x24 mm
Weight	73 gr

Il pacchetto comprende:

- Generatore CAN
- Alimentatore 12V 5A
- Cavo di collegamento al quadro
- Assistenza tecnica telefonica
- 1 kit di componenti per 5 riparazioni.

The package includes:

- CAN generator
- Power Supply 12V 5A
- Dashboard connector cable
- Technical assistance
- 1 kit of components for 5 repairs.

CAN generator for Renault Modus dashboards

SEP-CAN-MODUS



Il generatore CAN SEP-CAN-MODUS permette di alimentare i quadri strumenti **RENAULT MODUS** direttamente sul banco prova.

SEP-CAN-MODUS CAN generator allows to power on **RENAULT MODUS** instrument clusters, directly on work-desk.

CARATTERISTICHE TECNICHE

Tensione di alim.	12VDC
Corrente assorbita	2,5 A max
Corrente di spunto	5A
Dimensioni	88x48x24 mm
Peso	73 gr

SPECIFICATIONS

Power supply voltage	12VDC
Absorbed current	2,5 A max
Inrush current	5A
Size	88x48x24 mm
Weight	73 gr

Il pacchetto comprende:

- Generatore CAN
- Alimentatore 12V 5A
- Cavo di collegamento al quadro strumenti
- Assistenza tecnica telefonica.

The package includes:

- CAN generator
- Power Supply 12V 5A
- Dashboard connector cable
- Technical assistance.

CAN generator for Audi A3 dashboards

SEP-CAN-A3



Il generatore CAN SEP-CAN-A3 permette di alimentare i quadri strumenti **AUDI A3** (dal 2003 al 2011) direttamente sul banco prova.

SEP-CAN-A3 CAN generator allows to power on **AUDI A3** instrument clusters (from 2003 to 2011), directly on work-desk.

CARATTERISTICHE TECNICHE

Tensione di alim.	12VDC
Corrente assorbita	2,5 A max
Corrente di spunto	5A
Dimensioni	88x48x24 mm
Peso	73 gr

SPECIFICATIONS

Power supply voltage	12VDC
Absorbed current	2,5 A max
Inrush current	5A
Size	88x48x24 mm
Weight	73 gr

Il pacchetto comprende:

- Generatore CAN
- Alimentatore 12V 5A
- Cavo di collegamento al quadro strumenti
- Assistenza tecnica telefonica.

The package includes:

- CAN generator
- Power Supply 12V 5A
- Dashboard connector cable
- Technical assistance.

CAN generator for Infocenter Citroën C8, Peugeot 407, Lancia Phedra and Fiat Ulysse

SEP-CAN-INFO1



Il generatore CAN permette di alimentare, direttamente sul banco prova, gli Infocenter di:

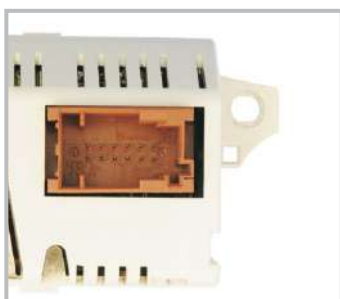
- **CITROËN C8**
(modelli dal 2002 al 2008)
- **PEUGEOT 407**
(modelli dal 2002 al 2008)
- **LANCIA PHEDRA**
(modelli dal 2002 al 2008)
- **FIAT ULYSSE**
(modelli dal 2002 al 2008).

Versioni con connettore marrone a 12 contatti (vedi foto).

This CAN generator allows to power on, directly on work-desk, the Infocenter of:

- **CITROËN C8**
(models from 2002 to 2008)
- **PEUGEOT 407**
(models from 2002 to 2008)
- **LANCIA PHEDRA**
(models from 2002 to 2008)
- **FIAT ULYSSE**
(models from 2002 to 2008).

Versions with 12 contacts brown connector (see picture).



CARATTERISTICHE TECNICHE

Tensione di alim.	12VDC
Corrente assorbita	2,5 A max
Corrente di spunto	5A
Dimensioni	88x48x24 mm
Peso	73 gr

SPECIFICATIONS

Power supply voltage	12VDC
Absorbed current	2,5 A max
Inrush current	5A
Size	88x48x24 mm
Weight	73 gr

Il pacchetto comprende:

- Generatore CAN
- Alimentatore 12V 5A
- Cavo di collegamento.

The package includes:

- CAN generator
- Power Supply 12V 5A
- Connector cable.

Power supply 1A



SEI-12V1A

Alimentatore 12V 1A
Power supply unit 12V 1A

Power supply 2A



SEI-12V2A

Alimentatore 12V 2A
Power supply unit 12V 2A

Power supply 5A



SEI-12V5A

Alimentatore 12V 5A
Power supply unit 12V 5A

Minitools pliers



SEP-PN-2003

Pinza Minitools.
Spessore: 3mm
HRC: 48-50
Peso: 78gr
Lunghezza: 146mm.

Minitools pliers.
Thickness: 3mm
HRC: 48-50
Weight: 78gr
Length: 146mm.

Minitools cutter



SEP-TR58R

Tronchesina Minitools.
Spessore: 3mm
Lunghezza: 137mm
Forza di taglio: 9kg
Filo di rame Ø: 2,05mm
Filo di rame awg: 12

Minitools wire cutter.
Thickness: 3mm
Length: 137mm
Cut strength: 9kg
Copper wire Ø: 2,05mm
Copper wire awg: 12

Minitools wire cutter



SEP-TR-20-M

Tronchesina Minitools.
Lunghezza: 136mm
Forza di taglio: 3kg
Filo di rame Ø: 0,81mm
Filo di rame awg: 20

Minitools wire cutter.
Length: 136mm
Cut strength: 3kg
Copper wire Ø: 0,81mm
Copper wire awg: 20

Minitools wire cutter



SEP-TRE-03-NB

Tronchesina Minitools.
Lunghezza: 128mm
Forza di taglio: 3kg
Filo di rame Ø: 1,30mm
Filo di rame awg: 16

Minitools wire cutter.
Length: 128mm
Cut strength: 3kg
Copper wire Ø: 1,30mm
Copper wire awg: 16

Cutter and stripper



SEP-CSP-30-1

Utensile multiuso con 3 diverse funzioni: cesoia, spellafili multidiametro, pinza. Capacità di taglio filo di rame da 0,25mm a 0,81mm (da 30 AWG a 20 AWG).
Lunghezza: 168mm
Peso: 110g

Multitool with 3 different functions: cutter, multidiameter stripper, pliers. Cutting capacity for copper wire from 0,25mm to 0,81mm (from 30 AWG to 20 AWG).
Length: 168mm
Weight: 110g

Needles extractor



SEP-ESTR1

Estrattore lancette per contachilometri **BMW E-38** (Serie 7), **E-39** (Serie 5), **E-53** (X5) e **RANGE ROVER**.
Spessore: 3mm
HRC: 48-50
Peso: 78gr
Lunghezza: 160mm

BMW E-38 (7-Series), **E-39** (5-Series), **E-53** (X5) and **RANGE ROVER** dashboards needles extractor.
Thickness: 3mm
HRC: 48-50
Weight: 78gr
Length: 160mm

MT-11 clip for components

SEI-MT-11



Pinzetta con punte sottili.
Clip with thin tips.

MT-15 clip for components

SEI-MT-15



Pinzetta con punte sottili curve.
Clip with curved tips.

MT-13 clip for components

SEI-MT-13



Pinzetta con punte arrotondate.
Clip with rounded tips.

MT-14 clip for components

SEI-MT-14



Pinzetta con punte sottili.
Clip with thin tips.

Econometer indicator puller for Bmw



SEP-ESTR2

Estrattore per lancetta
econometro contachilometri
BMW E-38 (Serie 7), **E-39** (Serie
5), **E-53** (X5) .

Econometer indicator puller
for **BMW E-38** (7-Series),
E-39 (5-Series), **E-53** (X5)
dashboards.

Indicator puller for Fiat Stilo



SEP-ESTR3

Estrattore per lancette per vari
contachilometri, tra cui **FIAT**
STILO.

Indicator puller for several
dashboards, such as **FIAT Stilo**.

Extractor for Mercedes EZS

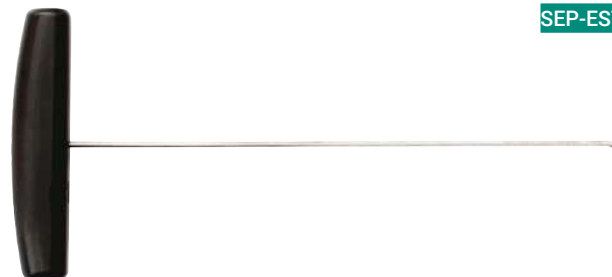


SEP-ESTR4

Estrattore anello esterno del
modulo chiavi EZS **MERCEDES**
(modelli dal 2001 al 2011).

External ring extractor for EZS
MERCEDES key module (models
from 2001 to 2011).

Release key for Mercedes dashboards



SEP-ESTR5

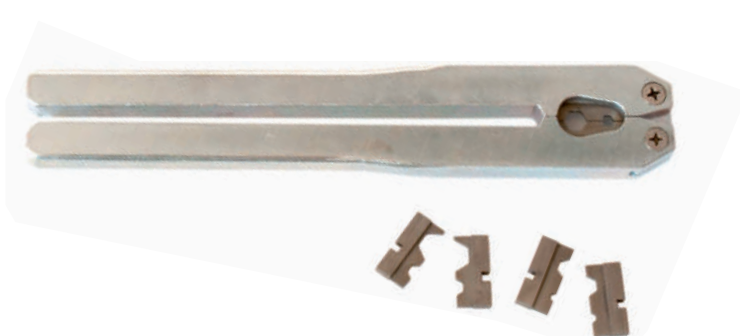
Estrattore per contachilometri
MERCEDES.

Release key for **MERCEDES**
dashboards.

Crimping clip for dashboard sleeve



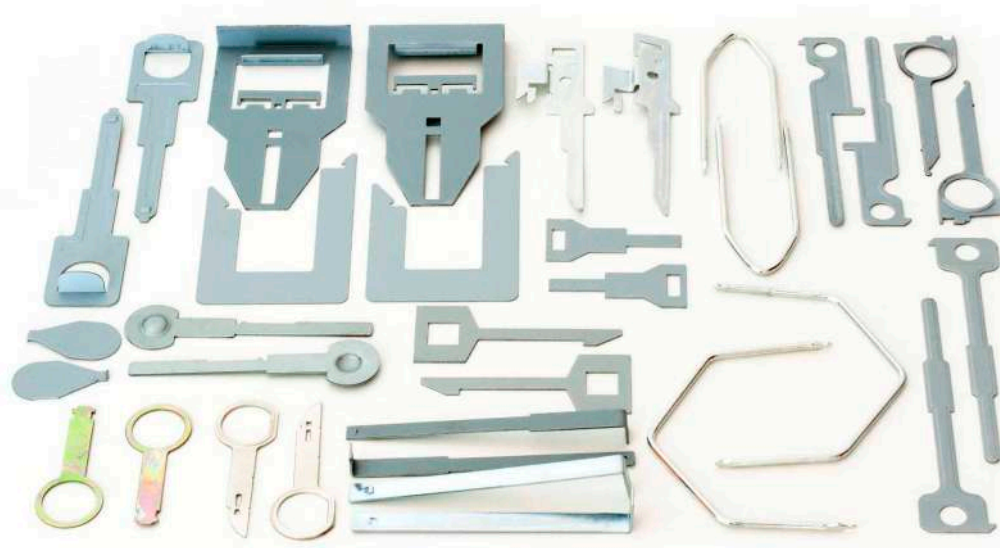
SEP-PG01



Pinza per crimpatura guaina per contachilometri e tachigrafi, con 3 set di adattatori per varie misure.

Crimping clip for dashboards and tachographs sleeves, with 3 sets of adapters for different sizes.

Car radio release keyset



SEP-ESTR-KIT1

Il kit contiene 17 paia di estrattori per diversi modelli di autoradio.

Set of 17 radio release keys for several car radios.

Attrezzatura per riparazione
Repair tools

SEP-ESTR6

Kenwood car radio release keys

Lunghezza / Length: 80 mm



SEP-ESTR7

Clarion, Jvc, Kenwood and Panasonic car radio release keys

Lunghezza / Length: 96 mm



SEP-ESTR8

Kenwood Mask car radio release keys

Lunghezza / Length: 110 mm



SEP-ESTR9

Pioneer car radio release keys

Lunghezza / Length: 105 mm



SEP-ESTR10

Sony car radio release keys

Modelli dopo il 2001 / *Models after 2001*
Lunghezza / *Length*: 55 mm



SEP-ESTR11

Clarion car radio release keys

Lunghezza / *Length*: 105 mm



SEP-ESTR12

Car radio release keys on Opel

Lunghezza / *Length*: 93 mm



SEP-ESTR13

Car radio release keys on Audi, Volkswagen

Lunghezza / *Length*: 61 mm



SEP-ESTR14

Becker car radio release keys on Audi, VW, Mercedes

Lunghezza / *Length*: 68 mm



SEP-ESTR15

Blaupunkt, Philips car radio release keys on Opel

Lunghezza / *Length*: 91 mm



SEP-ESTR16

Kenwood car radio release keys

Modelli fino al 2002 / *Models until 2002*
Lunghezza / *Length*: 121 mm



SEP-ESTR17

Kenwood car radio release keys

Modelli dopo il 2002 / *Models after 2002*
Lunghezza / *Length*: 119 mm



SEP-ESTR18

Clarion car radio release keys

Lunghezza / *Length*: 115 mm



SEP-ESTR19

Car radio release keys on Fiat Brava and Bravo

Lunghezza / *Length*: 88 mm



SEP-ESTR20

Panasonic car radio release keys

Lunghezza / *Length*: 37 mm



SEP-ESTR21

Sony car radio release keys

Modelli dopo il 2001 / *Models after 2001*
Lunghezza / *Length*: 97 mm



SEP-ESTR22

Becker car radio release keys

Lunghezza / *Length*: 89 mm



SEP-ESTR23

Pair of release keys for Alfa Romeo / Citroën car radio

Lunghezza / *Length*: 107 mm



Videozoom



SEP-VZ120 + SEP-MON8

Videozoom 120, completo di base e supporto con ottica videozoom, per lavorare su schede elettroniche con la massima libertà e senza l'utilizzo di luci esterne. La distanza di circa 20 cm dal piano consente di lavorare comodamente permettendo, attraverso lo zoom regolabile, di visualizzare un'area compresa tra 10 e 1,5 mm².

Si può collegare ad un comune monitor tv, al PC tramite scheda acquisizione video o abbinare a **SEP-MON8**. Consigliato per la rilavorazione di schede elettroniche.

Videozoom 120, provided with base and support with zoom camera, to work on board with hands free and without external lights. The distance between the camera and the board (20cm) allows you to work easily. Through the adjustable zoom, the camera shows an area included between 10 and 1,5 mm².

It can be connected to a common tv monitor, to the PC through video capture card or combined to **SEP-MON8**.

Recommended for electronic boards remanufacturing.

Videozoom 120 for boards remanufacturing



SEP-VZ120

Base e supporto con ottica videozoom.

Base and support with zoom camera.

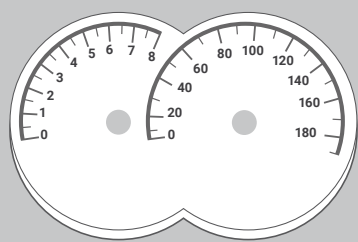
Videozoom Mon8



SEP-MON8

Monitor LCD 8" TFT, 800x600 pixel. Ingresso videocomposito Pal. Telecomando e alimentatore inclusi. Consigliato l'uso con **SEP-VZ120**.

LCD TFT 8" monitor, 800x600 pixel. Pal video input. Remote control and power supply included. Recommended for use with **SEP-VZ120**.



Ricambi per contachilometri

Dashboards' spare parts

Parti di ricambio adattabili per contachilometri e quadri strumenti. Gamma di prodotti per la riparazione di quadri auto. Piccole parti di ricambio studiate per risolvere i problemi più comuni di alcuni modelli di quadri strumenti: dai cover e motorini per quadri Magneti Marelli e Jaeger, ai trasformatori ad alto voltaggio selezionati tra quelli più comunemente causa di guasti, fino ai minispeaker.

Spare parts for speedometers and instrument clusters. Range of products to repair car dashboards. Small parts designed to solve common problems of some models of instrument clusters: from covers and stepper motors for Magneti Marelli and Jaeger dashboards, to high-voltage transformers selected among the most common causes of failure, to minispeakers.

Plastic wheel for Mercedes dashboards

Ricambi per contachilometri
Dashboards' spare parts



SEPCOR01

Ruota dentata adattabile ai quadri strumenti:

- **MERCEDES Classe E**
- **MERCEDES CLK**
- **MERCEDES CLS**
(modelli dal 2002 al 2009).

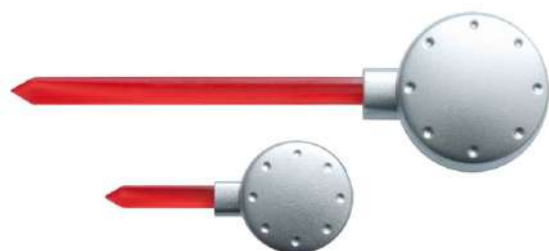
Prodotta in policarbonato, sostituisce l'originale che si deforma, causando il malfunzionamento della lancetta della velocità.

Adaptable plastic wheel for the following dashboards:

- **MERCEDES E Class**
- **MERCEDES CLK**
- **MERCEDES CLS**
(models from 2002 to 2009).

It's in polycarbonate and allows the correct work of speed pointer.

Kit of pointers for Audi TT Jaeger



SEP-POINT-TT

Ricondizionato
Refurbished

Kit composto da 4 lancette (velocità, giri, temperatura acqua e livello carburante) per contachilometri **AUDI TT JAEGER** (modelli fino al 2005).

Kit composed by 4 pointers (speed, rpm, temperature, fuel level) for **AUDI TT JAEGER** dashboards (models until 2005).



Control buttons for Fiat 500 instrument cluster



SEP-AZ-500B

Ricondizionato
Refurbished

Pulsanti di ricambio per
contachilometri **FIAT 500**
(modelli dal 2007 al 2012).

Colore: nero.

Control buttons for **FIAT 500**
instrument cluster
(models from 2007 to 2012).

Colour: black.



SEP-AZ-500I

Ricondizionato
Refurbished

Pulsanti di ricambio per
contachilometri **FIAT 500**
(modelli dal 2007 al 2012).

Colore: avorio.

Control buttons for **FIAT 500**
instrument cluster
(models from 2007 to 2012).

Colour: ivory.

Knob for ACC Volkswagen Transporter / T5 / California



SEP-KNOB01

Manopola per modulo ACC
adattabile a:

- **VOLKSWAGEN TRANSPORTER/T5**
(modelli dal 2003 al 2009);
- **T5 CALIFORNIA**
(modelli dal 2003 al 2017).

Knob adaptable to the following
ACC module:

- **VOLKSWAGEN TRANSPORTER/T5**
(models from 2003 to 2009);
- **T5 CALIFORNIA**
(models from 2003 to 2017).

Ricambi per contachilometri
Dashboards' spare parts

Spedizione

Per l'Italia, applichiamo le seguenti condizioni:

Nessun costo

Per ordini superiori a € 80,00 (IVA esclusa)

€ 3,90 (IVA esclusa)

Per ordini inferiori a € 80,00 (IVA esclusa)

Le spedizioni vengono evase in giornata.

Shipping

We apply the following shipping rates:



EU countries

NOT EU countries

No charge

Orders over € 150,00

No charge

Orders over € 300,00

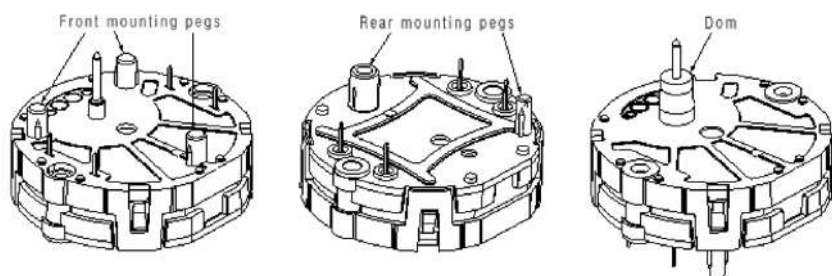
€ 13,00

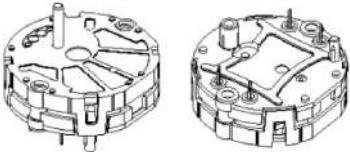
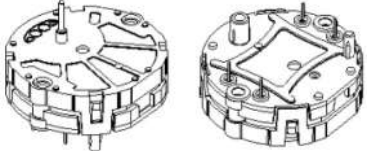
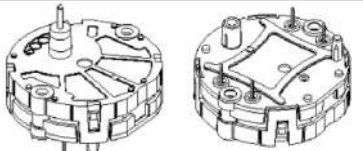
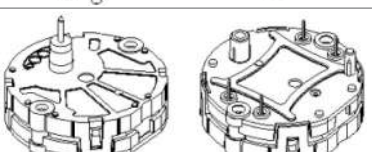
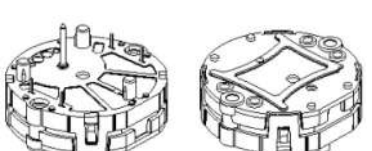
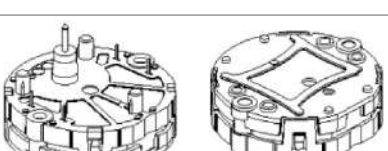
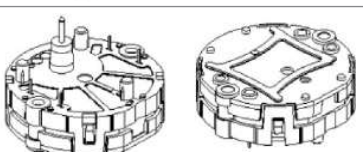
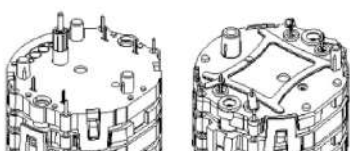
Orders less than € 150,00

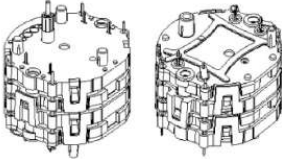
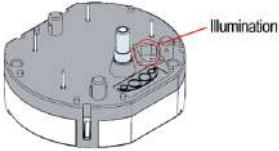
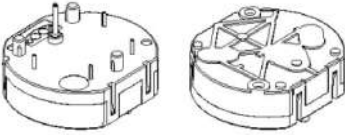
€ 30,00

Orders less than € 300,00

Shipments are processed on the same day.

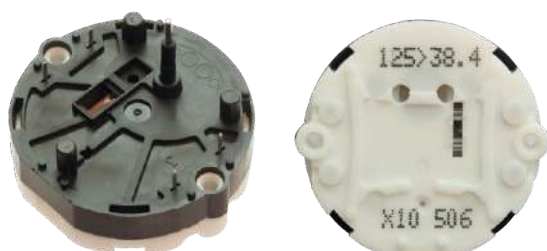


Product description	Dom version	Special feature	Contacts	Mounting pegs	Internal stop	Indicator shaft	Reference
	-	Transparent shaft	Rear	Rear	Yes	Trasparent shaft Ø2.0	X23.168
	-	-	Rear	Rear	Yes	Standard	X27.168
	Dom	-	Rear	Rear	No	Long (+2mm)	X27.278
	Dom	-	Rear	Rear	Yes	Long (+2mm)	X27.288
	-	-	Front	Front	Yes	Standard	X27.569
	-	-	Front	Front	No	Long (+2mm)	X27.579
	-	-	Front	Front	Yes	Long (+2mm)	X27.589
	Dom	-	Front	Front	No	Long (+2mm)	X27.679
	Dom	-	Front	Front	Yes	Long (+2mm)	X27.689
	-	Dual	Front	Front	Yes	Shaft Ø1.5 or shaft 1.0; Tube Ø2.9	X40.879

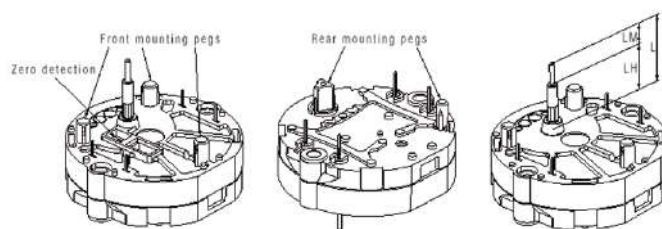
Product description	Dom version	Special feature	Contacts	Mounting pegs	Internal stop	Indicator shaft	Reference
	-	Dual	Front	Front	No	Shaft Ø1.0; Tube Ø2.9	X40.879.NS
	-	-	Front	Front	Yes	Ø2.4mm	X63.589
	-	High torque	Front	Front	Yes	Ø1.0	X65.589

X10.506 Juken stepper motor

SEI-X10-506



Retro / Back



Motorino Juken Swiss Technology per orologio analogico, adattabile a vari quadri strumenti.

Codici compatibili:
X10-504

Analogue car clock
Juken Swiss Technology
miniature stepper motor,
adaptable to several dashboards.

Compatible codes:
X10 -504

Special Feature	Contacts	Mounting Pegs	Indicator Shaft	Indicator Shaft Length L/LH/LM	Reference
Zero detection hour and minute	Front	Front	0.8/1.8 mm	12.2/8.2/4 mm	X10.506



Retro / Back

SEI-X23-168

X23.168 Juken stepper motor

Motorino adattabile a vari quadri strumenti.

Adaptable stepper motor to several dashboards.



Retro / Back

SEI-X27-168

X27.168 Juken stepper motor

Motorino adattabile a vari quadri strumenti, tra cui:

- OPEL Frontera

Adaptable stepper motor to several dashboards, such as:

- OPEL Frontera

Codici compatibili:

X15-168
X25-168
XC5-168

Compatible codes:

X15-168
X25-168
XC5-168



Retro / Back

SEI-X27-278

X27.278 Juken stepper motor

Motorino adattabile a vari quadri strumenti.

Adaptable stepper motor to several dashboards.



Retro / Back

SEI-X27-288

X27.288 Juken stepper motor

Motorino adattabile a vari quadri strumenti, tra cui:

- HUMMER

Adaptable stepper motor to several dashboards, such as:

- HUMMER

Codici compatibili:

• X15-288
• X25-288
• XB5-288

Codici adattabili:

• 310-446

Compatible codes:

• X15-288
• X25-288
• XB5-288

Adaptable codes:

• 310-446



Retro / Back

SEI-X27-569

X27.569 Juken stepper motor

Motorino adattabile a vari quadri strumenti.

Adaptable stepper motor to several dashboards.

Codici compatibili:

X25-569

Compatible codes:

X25-569



Retro / Back

SEI-X27-579

X27.579 Juken stepper motor

Motorino adattabile a vari quadri strumenti.

Adaptable stepper motor to several dashboards.

Codici compatibili:

X15-579
X25-579
XB5-579

Compatible codes:

X15-579
X25-579
XB5-579



Retro / Back

SEI-X27-589

X27.589 Juken stepper motor

Motorino adattabile a vari quadri strumenti, tra cui **FIAT** Stilo, **BMW** E46, **SEAT** Arosa, **VOLKSWAGEN** Polo e Golf, **FORD** Transit e **VOLVO** Truck.

Adaptable stepper motor to several dashboards, such as: **FIAT** Stilo, **BMW** E46, **SEAT** Arosa, **VOLKSWAGEN** Polo and Golf, **FORD** Transit and **VOLVO** Truck.

Codici compatibili:

X15-589
X25-589
XB5-589
XC5-589

Compatible codes:

X15-589
X25-589
XB5-589
XC5-589



Retro / Back

SEI-X27-679

X27.679 Juken stepper motor

Motorino adattabile a vari quadri strumenti.

Adaptable stepper motor to several dashboards.



Retro / Back

SEI-X27-689

X27.689 Juken stepper motor

Motorino adattabile a vari quadri strumenti.

Adaptable stepper motor to several dashboards.

Codici compatibili:

X15-689
X25-689
XB5-689

Compatible codes:

X15-689
X25-689
XB5-689



Retro / Back

SEI-X40-879

X40.879 Juken stepper motor

Motorino adattabile a vari quadri strumenti.

Adaptable stepper motor to several dashboards.



Retro / Back

SEI-X40-879-NS

X40.879.NS Juken stepper motor

Motorino adattabile a vari quadri strumenti (senza stop interno).

Stepper motor adaptable to several dashboards (without internal stop).



Retro / Back

SEI-X63-589

X63.589 Juken stepper motor

Motorino con albero tubolare a singolo LED per l'illuminazione ottimale della lancetta. Adattabile a vari quadri strumenti.

Stepper motor with tubular drive shaft for optimal pointer illumination with single LED. Adaptable to several dashboards.



Retro / Back

SEI-X65-589

X65.589 Juken stepper motor

Motorino adattabile a vari quadri strumenti.

Adaptable stepper motor to several dashboards.



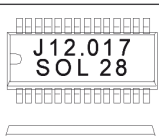
SEI-J12-017

J12.017 Juken M-S Quad Driver

Controller driver SOL 28-pin per 4 stepper motor.

SOL 28-pin controller driver for 4 stepper motors.

VDD	1	28	f(scx) A
CW / CCW B	2	27	CW / CCW A
f(scx) B	3	26	XRESET
OUT A3	4	25	OUT B3
OUT A4	5	24	OUT B4
OUT A2	6	23	OUT B2
OUT A1	7	22	OUT B1
OUT D1	8	21	OUT C1
OUT D2	9	20	OUT C2
OUT D4	10	19	OUT C4
OUT D3	11	18	OUT C3
VSS	12	17	f(scx) D
CW / CCW C	13	16	CW / CCW D
f(scx) C	14	15	MSEL

Product description	Name	No. of Motors Driven	Package	Reference Number
	M-S Quad Driver	4 x X27.xxx	SOL 28-pin	J12.017 SOL28

Stepper motors for Magneti Marelli and Jaeger dashboards

Motorini adattabili per indicatori velocità o giri per quadri strumenti **MAGNETI MARELLI** e **JAEGER**.
Disponibili in due versioni:
SEI-MOT01 e **SEI-MOT01B**

Adaptable stepper motors to speed or RPM pointers on **MAGNETI MARELLI** and **JAEGER** dashboards.
Available in two versions:
SEI-MOT01 and **SEI-MOT01B**



SEI-MOT01



SEI-MOT01B

Adattabile a vari quadri strumenti, tra cui:

- **FIAT** Punto / Bravo / Brava / Marea / Scudo / Ulysse
- **LANCIA** Lybra / Zeta
- **AUDI** A3 / A4 / A6 Jaeger
- **AUDI** TT
- **VOLKSWAGEN** Beetle
- **RENAULT** Clio / Kangoo / Megane / Scénic / Laguna
- **CITROËN** Berlingo / C5 / Evasion
- **MOTO DUCATI** Monster
- **YAMAHA** MT-03
- **APRILIA** RST 1000 Futura

Adaptable to several dashboards, such as:

- **FIAT** Punto / Bravo / Brava / Marea / Scudo / Ulysse
- **LANCIA** Lybra / Zeta
- **AUDI** A3 / A4 / A6 Jaeger
- **AUDI** TT
- **VOLKSWAGEN** Beetle
- **RENAULT** Clio / Kangoo / Megane / Scénic / Laguna
- **CITROËN** Berlingo / C5 / Evasion
- **MOTO DUCATI** Monster
- **YAMAHA** MT-03
- **APRILIA** RST 1000 Futura

Adattabile a vari quadri strumenti, tra cui:

- **PEUGEOT** 206/806
- **FIAT** Ulysse (prima del 2002)
- **LANCIA** Zeta
- **CITROËN** Evasion
- **MERCEDES** Classe A / Classe V / Vito / Sprinter

Adaptable to several dashboards, such as:

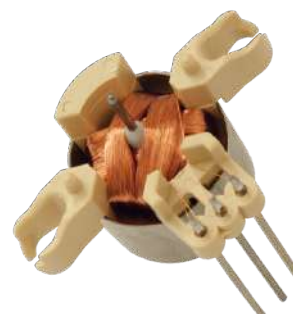
- **PEUGEOT** 206/806
- **FIAT** Ulysse (before 2002)
- **LANCIA** Zeta
- **CITROËN** Evasion
- **MERCEDES** A Class / V Class / Vito / Sprinter

Motorini adattabili per indicatori carburante e temperatura acqua per quadri strumenti **MAGNETI MARELLI** e **JAEGER**.
Disponibili in due versioni:
SEI-MOT02 e **SEI-MOT02B**

Adaptable pointer motors to fuel and water temperature pointers on **MAGNETI MARELLI** and **JAEGER** dashboards.
Available in two versions:
SEI-MOT02 and **SEI-MOT02B**



SEI-MOT02



SEI-MOT02B

Adattabile a vari quadri strumenti, tra cui:

- **FIAT** Punto / Bravo / Brava / Marea / Scudo / Ulysse
- **LANCIA** Lybra / Zeta
- **AUDI** A3 / A4 / A6 Jaeger
- **AUDI** TT
- **VOLKSWAGEN** Beetle
- **RENAULT** Clio / Kangoo / Megane / Scénic / Laguna
- **CITROËN** Berlingo / C5 / Evasion
- **MOTO DUCATI** Monster

Adaptable to several dashboards, such as:

- **FIAT** Punto / Bravo / Brava / Marea / Scudo / Ulysse
- **LANCIA** Lybra / Zeta
- **AUDI** A3 / A4 / A6 Jaeger
- **AUDI** TT
- **VOLKSWAGEN** Beetle
- **RENAULT** Clio / Kangoo / Megane / Scénic / Laguna
- **CITROËN** Berlingo / C5 / Evasion
- **MOTO DUCATI** Monster

Adattabile a vari quadri strumenti, tra cui:

- **PEUGEOT** 206/806
- **FIAT** Ulysse (fino al 2002)
- **LANCIA** Zeta
- **CITROËN** Evasion

Adaptable to several dashboards, such as:

- **PEUGEOT** 206/806
- **FIAT** Ulysse (before 2002)
- **LANCIA** Zeta
- **CITROËN** Evasion

Cover for Magneti Marelli and Jaeger dashboards

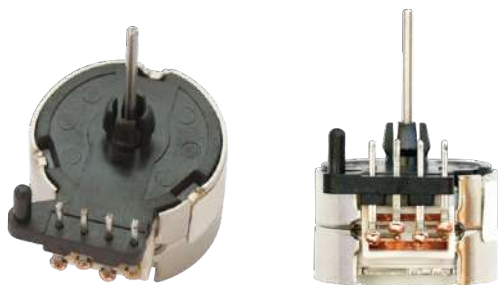


SEPCOV2

Cover adattabile a motorino per indicatori velocità o giri dei quadri di bordo MAGNETI MARELLI e JAEGER. Il quadro strumenti sul quale si è riscontrato più frequentemente il problema è quello della **PEUGEOT 206**.

This cover can be adapted to repair speed / RPM pointers' stepper motor of MAGNETI MARELLI and JAEGER dashboards. The main problem comes from **PEUGEOT 206** dashboards.

Stepper motor for Magneti Marelli dashboards



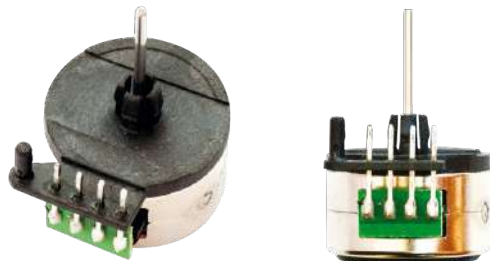
SEI-MOT04

Ricondizionato
Refurbished

Motorino adattabile a vari contachilometri MAGNETI MARELLI tra cui **PEUGEOT, AUDI, IVECO** e **FIAT** (dopo il 2003).

Adaptable stepper motor to several MAGNETI MARELLI dashboards, such as **PEUGEOT, AUDI, IVECO** and **FIAT** (models after 2003).

Stepper motor for Magneti Marelli dashboards



SEI-MOT05

Ricondizionato
Refurbished

Motorino adattabile a vari quadri strumenti MAGNETI MARELLI, tra cui **AUDI** e **FIAT** (dopo il 2007).

Adaptable stepper motor to several MAGNETI MARELLI dashboards, such as **AUDI** and **FIAT** (after 2007).

Stepper motor for Fiat 500 dashboards



SEI-MOT06

Motorino adattabile a contachilometri **FIAT 500**.

Adaptable stepper motor to **FIAT 500** dashboards.

Motor for Alfa Romeo Duetto dashboards



SEI-MOT07

Ricondizionato
Refurbished

Motorino adattabile a vari quadri di bordo tra cui **ALFA ROMEO DUETTO**.

Adaptable pointer motor to various instrument clusters such as **ALFA ROMEO DUETTO**.

Retro / Back

Stepper motor for dashboards



SEI-MOT08-002

Ricondizionato
Refurbished



SEI-MOT08-007

Ricondizionato
Refurbished



SEI-MOT08-005

Ricondizionato
Refurbished



SEI-MOT08-008

Ricondizionato
Refurbished

Motorino adattabile a vari quadri strumenti, tra cui:
VOLKSWAGEN, AUDI, MERCEDES, OPEL, SEAT e SKODA (modelli VDO fino al 2006).

Adaptable stepper motor to several dashboards, such as:
VOLKSWAGEN, AUDI, MERCEDES, OPEL, SEAT and SKODA (VDO models until 2006).

Articolo correlato:
Related article:
SEP-R27
SEP-R32

Codice originale / Original code	Codice Minitools / Minitools code
91 255 002	SEI-MOT08-002
91 255 005	SEI-MOT08-005
91 255 007	SEI-MOT08-007
91 255 008	SEI-MOT08-008
91 255 112	SEI-MOT08-008

SEI-MOT08



Kit 2 ingranaggi R27 + R32

SEP-R27-R32

Kit di ingranaggi per la riparazione dei motorini per contachilometri **Volkswagen, Audi, Mercedes, Opel, Seat e Skoda** (91 255 002/005/006/007/008/112).

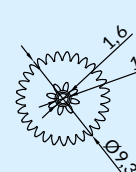
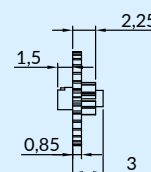
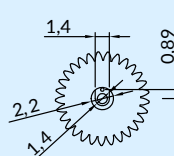
Kit of gears to repair the stepper motors for **Volkswagen, Audi, Mercedes, Opel, Seat and Skoda** speedometers (91 255 002/005/006/007/008/112).

SEP-R27



Ingranaggio / Automotive gear
29 denti esterni - 8 interni
29 external teeth - 8 internal teeth

- Volkswagen
- Audi
- Mercedes
- Opel
- Seat
- Skoda



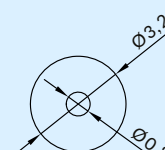
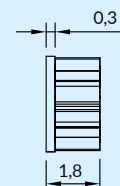
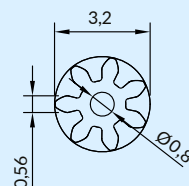
Ricambio per la riparazione dei motorini per contachilometri 91 255 002/005/006/007/008/112.
It replaces the most internal gear of the stepper motors 91 255 002/005/006/007/008/112.

SEP-R32



Ingranaggio / Automotive gear
7 denti / 7 teeth

- Volkswagen
- Audi
- Mercedes
- Opel
- Seat
- Skoda



Sostituisce l'ingranaggio più interno dei motorini 91 255 002/005/006/007/008/112.
It replaces the most internal gear of the stepper motors 91 255 002/005/006/007/008/112.

Stepper motor for dashboards



SEI-MOT10-A

Ricondizionato
Refurbished

Retro / Back



SEI-MOT10-B

Ricondizionato
Refurbished

Retro / Back

Motorino adattabile a vari quadri strumenti, tra cui:

- **ALFA ROMEO**
 - **AUDI**
 - **MERCEDES**
 - **OPEL**
 - **SMART**
- (modelli fino al 2008).



SEI-MOT10-C

Ricondizionato
Refurbished

Retro / Back



SEI-MOT10-D

Ricondizionato
Refurbished

Retro / Back

Adaptable stepper motor to several dashboards, such as:

- **ALFA ROMEO**
 - **AUDI**
 - **MERCEDES**
 - **OPEL**
 - **SMART**
- (models until 2008).

Motor for Bmw E-38/E-39/E-53 and Range Rover dashboards



SEI-MOT11

Ricondizionato
Refurbished

Motorino adattabile a quadri strumenti:

- **BMW E-38** (Serie 7), modelli fino al 2001
- **BMW E-39** (Serie 5), modelli fino al 2001
- **BMW E-53** (X5), modelli fino al 2003
- **RANGE ROVER** modelli fino al 2003.

Adaptable pointer motor to the following dashboards:

- **BMW E-38** (7-Series), models until 2001
- **BMW E-39** (5-Series), models until 2001
- **BMW E-53** (X5), models until 2003
- **RANGE ROVER** models until 2003.

Motor for Bmw E-38/E-39/E-53 dashboards



SEI-MOT12

Ricondizionato
Refurbished

Motorino adattabile per indicatore econometro dei quadri strumenti:

- **BMW E-38** (Serie 7), modelli fino al 2001
- **BMW E-39** (Serie 5), modelli fino al 2001
- **BMW E-53** (X5), modelli fino al 2006.

Adaptable pointer motor to econometer pointer of the following dashboards:

- **BMW E-38** (7-Series), models until 2001
- **BMW E-39** (5-Series), models until 2001
- **BMW E-53** (X5), models until 2006.

Stepper motor for dashboards



SEI-MOT14

Ricondizionato
Refurbished

Retro / Back

Motorino adattabile a vari quadri strumenti tra cui **FORD**.

Adaptable stepper motor to several dashboards such as **FORD**.

Stepper motor for dashboards



SEI-MOT15

Ricondizionato
Refurbished

Retro / Back

Motorino adattabile a vari quadri strumenti tra cui **OPEL ASTRA/ ZAFIRA**.

Adaptable stepper motor to several dashboards such as **OPEL ASTRA / ZAFIRA**.



Retro / Back

SEI-MOT16

Ricondizionato
Refurbished

Stepper motor for dashboards

Motorino adattabile a vari quadri strumenti tra cui **VOLKSWAGEN Polo TRW**.

Adaptable stepper motor to several dashboards such as **VOLKSWAGEN Polo TRW**.



Retro / Back

SEI-MOT17

Stepper motor for dashboards

Motorino adattabile a vari quadri strumenti tra cui **IVECO**.

Adaptable stepper motor to several dashboards such as **IVECO**.



Retro / Back

SEI-MOT18

SEI-MOT18 Stepper motor for dashboards

Motorino VID29-05 adattabile a vari quadri strumenti.

VID29-05 stepper motor adaptable to several dashboards.

High voltage transformers for digital dashboards



SEITRA01



SEITRA02

SEITRA01

MERCEDES Serie "S" 2° modello.
Dim. 35x23mm

SEITRA01

MERCEDES "S" class 2nd model.
Size: 35x23mm



SEITRA03



SEITRA04

SEITRA02

MERCEDES Serie "S" 1° modello.
Dim. 25x18mm

SEITRA02

MERCEDES "S" class 1st model.
Size: 25x18mm

SEITRA03

PORSCHE Cayenne,
VOLKSWAGEN Touareg,
BENTLEY Continental.
Dim. 25x18mm

SEITRA03

PORSCHE Cayenne,
VOLKSWAGEN Touareg,
BENTLEY Continental.
Size: 25x18mm

SEITRA04

AUDI A4 Bosch con display centrale a colori (modelli dal 2003 al 2006).
Dim. 20x14mm

SEITRA04

AUDI A4 Bosch with central color display (models from 2003 to 2006).
Size: 20x14mm

SEITRA05

Trasformatore SGE2685-1 ad alto voltaggio per alimentatore inverter CCFL per la riparazione di contachilometri **AUDI** A6 e Q7 Magneti Marelli (modelli dopo il 2004).
Max Output Voltage: 1600Vrms,
Max Output Power: 7W

SEITRA05

SGE2685-1 adaptable high voltage transformer for CCFL inverter to repair **AUDI** A6, Q7 (after 2004) Magneti Marelli instrument clusters.
Max Output Voltage: 1600Vrms
Max Output Power: 7W



SEITRA05

Mini speaker for dashboards



SEI-SPEAKER01B

Mini speaker 0,5W 16ohm adattabile a vari contachilometri, tra cui **AUDI A4** Bosch e **VOLKSWAGEN Polo**.

Adaptable mini speaker 0,5W 16ohm to several dashboards, such as **AUDI A4** Bosch and **VOLKSWAGEN Polo**.

Mini speaker for dashboards



SEI-SPEAKER02

Ricondizionato
Refurbished

Retro / Back

Mini speaker adattabile a vari contachilometri, tra cui:

- **AUDI A4/S4/RS4**
- **AUDI A5/S5/RS5**
- **VOLKSWAGEN** (vari modelli)

Adaptable mini speaker to several dashboards, such as:

- **AUDI A4/S4/RS4**
- **AUDI A5/S5/RS5**
- **VOLKSWAGEN** (various models)

Mini speaker for dashboards



SEI-SPEAKER03

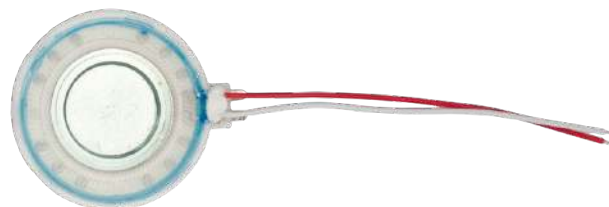
Mini speaker 0,3W 50ohm adattabile a vari contachilometri Magneti Marelli/VDO/Visteon tra cui:

- **AUDI A3 VDO** (modelli dal 2003 al 2012);
- **BMW Serie E60 VDO**
- **MERCEDES Classe E W211/CLK W209/CLS C219/M - ML W164**
- **SEAT Altea/Altea XL/Ibiza/Leon**
- **SKODA Fabia** (modelli dal 1999 al 2007)
- **VOLKSWAGEN Fox/Golf V/Polo/Passat/Touran**.

Adaptable mini speaker 0,3W 50ohm to several Magneti Marelli/VDO/Visteon dashboards, such as:

- **AUDI A3 VDO** (models from 2003 to 2012)
- **BMW Serie E60 VDO**
- **MERCEDES E class W211/CLK W209/CLS C219/M - ML W164**
- **SEAT Altea/Altea XL/Ibiza/Leon**
- **SKODA Fabia** (models from 1999 to 2007)
- **VOLKSWAGEN Fox/Golf V/Polo/Passat/Touran**.

Mini speaker for dashboards



SEI-SPEAKER04

Mini speaker 0,3W 32ohm adattabile a vari contachilometri tra cui:

- **VOLKSWAGEN Touareg**
- **PORSCHE Cayenne** (dal 2002 al 2008)

Diametro: 34mm

Adaptable mini speaker 0,3W 32ohm to several dashboards, such as:

- **VOLKSWAGEN Touareg**
- **PORSCHE Cayenne** (from 2002 to 2008)

Diameter: 34mm

Mini speaker for dashboards



SEI-SPEAKER05

Retro / Back

Mini speaker 1,3W 32ohm adattabile a vari contachilometri tra cui:

- **BMW Serie 1 VDO**
- **BMW Serie 1 TRW**

Diametro: 30mm

Adaptable mini speaker 1,3W 32ohm to several dashboards, such as:

- **BMW 1 Series VDO**
- **BMW 1 Series TRW**

Diameter: 30mm

Mini speaker for several instrument clusters NEW



SEI-SPEAKER06A

Mini speaker 0,1W, 8ohm, adattabile a vari contachilometri.

Diametro: 29 mm

Mini speaker 0,1W, 8ohm, adattabile a several dashboards.

Diameter: 29 mm

Mini speaker for Audi TT dashboards NEW



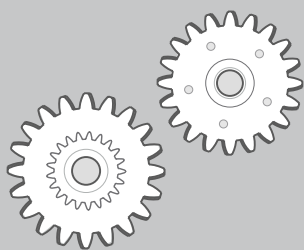
SEI-SPEAKER06B

Mini speaker 0,1W, 8ohm, adattabile a vari contachilometri, tra cui **Audi TT** (modelli dal 1998 al 2006).

Diametro: 29 mm

Mini speaker 0,1W, 8ohm, adattabile a several instrument clusters, such as **Audi TT** (models from 1998 to 2006).

Diameter: 29 mm



Ingranaggi per contachilometri

Automotive gears

NOTA

Le immagini (rendering) sono puramente indicative e non rappresentano fedelmente né le dimensioni reali né i rapporti tra i diversi ingranaggi.

Le misure indicate sono da intendersi in millimetri.

NOTE

The images (renderings) are just indicative and do not represent neither the real size nor the size differences between the gears.

The unit of measure is mm.

Serie di ingranaggi di ricambio per quadri strumenti meccanici. Adattabili ai quadri strumenti e contachilometri di diverse case automobilistiche (Audi, Bmw, Alfa Romeo, Opel, Porsche, Renault, Rolls Royce, Volvo, Volkswagen, ecc.). Stampati con metodo a iniezione di plastica, sono studiati e progettati per risolvere i comuni problemi di trasmissione all'interno del quadro strumenti. In base al modello del contachilometri sono disponibili ingranaggi con ruote dentate semplici o elicoidali, a singola o doppia dentatura.

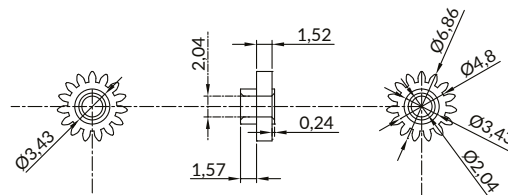
A line of spare gears for mechanical dashboards. Adaptable to instrument clusters of different car manufacturers (Audi, BMW, Alfa Romeo, Opel, Porsche, Renault, Rolls Royce, Volvo, Volkswagen, etc.). Printed with plastic injection molding technique, they are designed and engineered to solve the common problems of transmission within the instrument cluster. Depending on the dashboard model are available spur gears (or straight-cut) and helical gears, gears with single or double teeth row.

SEP-R01

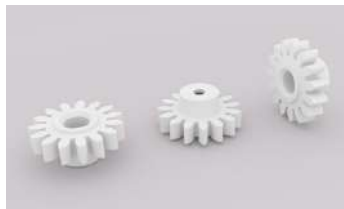


Ingranaggio / Automotive gear 15 denti / 15 teeth

- Audi V8
- Audi 80-90-100
- Volvo 850 1ª Serie
- Volvo 480
- Mercedes S
- Porsche 993 (Ultime versioni / Latest models)

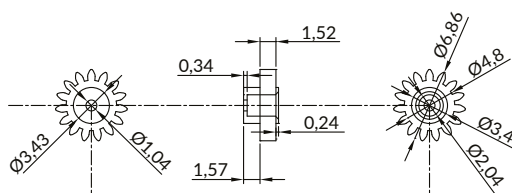


SEP-R02



Ingranaggio / Automotive gear 15 denti / 15 teeth

- Audi V8
- Audi 80-90-100
- Volvo 850 1ª Serie
- Volvo 480
- Mercedes S
- Porsche 993 (Ultime versioni / Latest models)

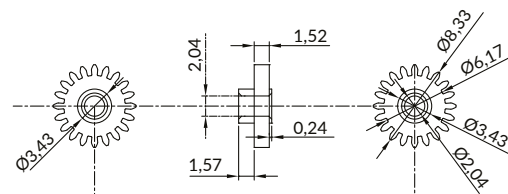


SEP-R03



Ingranaggio / Automotive gear 20 denti / 20 teeth

- Ford Scorpio
- Volvo 850 2ª versione
- Volvo 960
- Volvo 440
- Movac

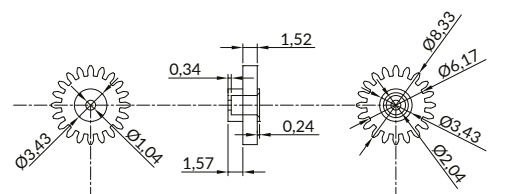


SEP-R04



Ingranaggio / Automotive gear 20 denti / 20 teeth

- Ford Scorpio
- Volvo 850 2ª versione
- Volvo 960
- Volvo 440
- Movac



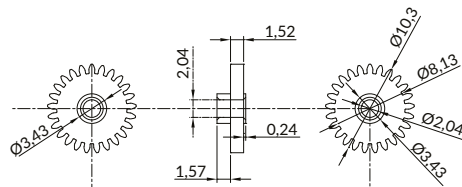
SEP-R05



Ingranaggio / Automotive gear

25 denti / 25 teeth

- Alfa Romeo 164
- Opel Omega B
- Renault 25 (2^a serie)



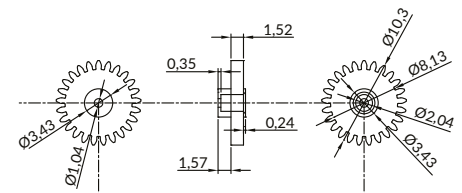
SEP-R06



Ingranaggio / Automotive gear

25 denti / 25 teeth

- Alfa Romeo 164
- Opel Omega B
- Renault 25 (2^a serie)



SEP-R07

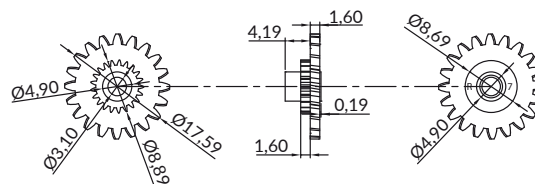


Ingranaggio / Automotive gear

20 denti esterni - 21 interni

20 external teeth - 21 internal teeth

- Porsche



SEP-R08

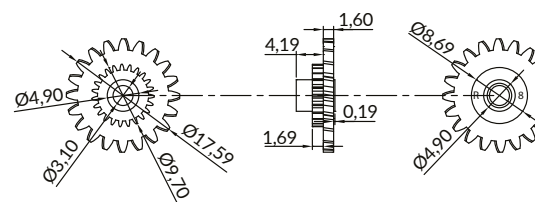


Ingranaggio / Automotive gear

20 denti esterni - 23 interni

20 external teeth - 23 internal teeth

- Porsche



SEP-R09

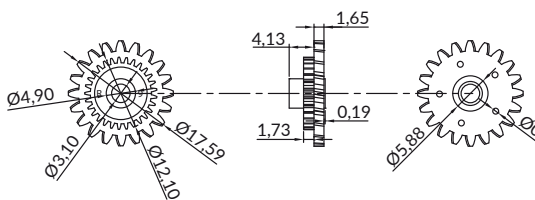


Ingranaggio / Automotive gear

20 denti esterni - 29 interni

20 external teeth - 29 internal teeth

- Rolls Royce
- Lamborghini
- Trattori VDO / VDO Tractors



SEP-R10

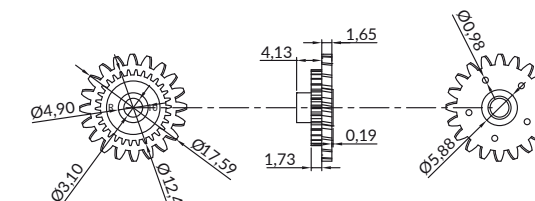


Ingranaggio / Automotive gear

20 denti esterni - 30 interni

20 external teeth - 30 internal teeth

- Trattori Marine VDO / Marine VDO Tractors



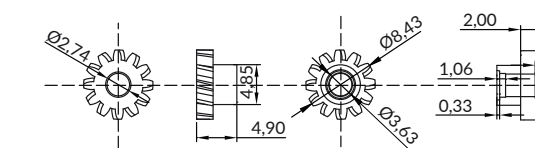
SEP-R11



Ingranaggio / Automotive gear

12 denti / 12 teeth

- Volkswagen VW Type 1 (comunemente conosciuto come Maggiolone) / (also know as Beetle, Coccinelle, Käfer, Vocho or Fusca)



SEP-R12

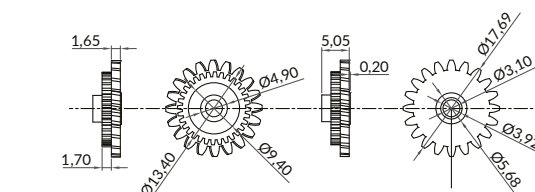


Ingranaggio / Automotive gear

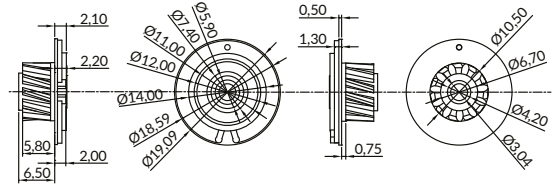
20 denti esterni - 32 interni

20 external teeth - 32 internal teeth

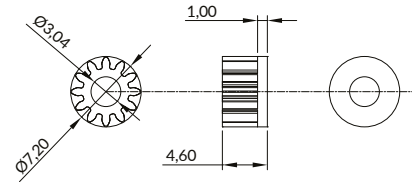
- Porsche



- Opel Kadett

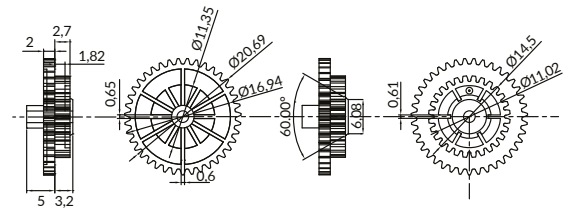


- BMW 5.25
- Mercedes W107 (S Series)



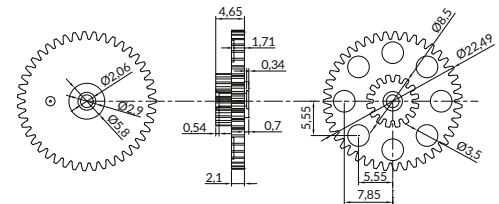
Three white plastic gears of different sizes and orientations are shown against a light gray background. One gear is in the foreground, slightly to the left, showing its teeth. Another gear is in the center, showing its face with a central hub. A third gear is in the background, slightly to the right, showing its side profile.

- BMW 5.20

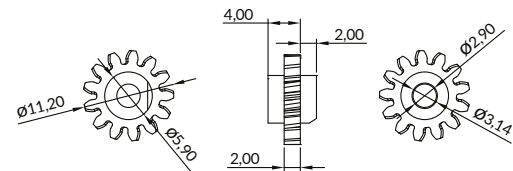


Three white plastic gears of different sizes and orientations are shown against a light gray background. One gear is in the foreground, slightly to the left, showing its teeth. Another gear is in the center, slightly behind the first, also showing its teeth. A third gear is in the background, to the right, showing its side profile with teeth.

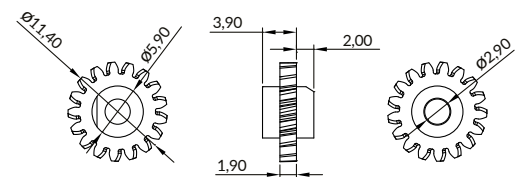
- BMW 5.20



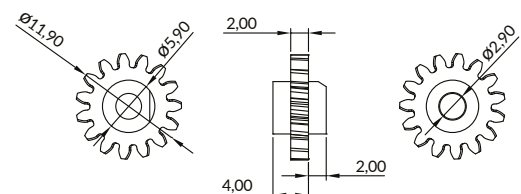
- Mercedes (ver.precedenti alla 124) / (versions before the 124)
- Audi (fino al 1988) / (until 1988)
- Volkswagen Golf 1



- Mercedes 124
- Audi 80-100
- Volkswagen Golf 2
- Volvo VDO

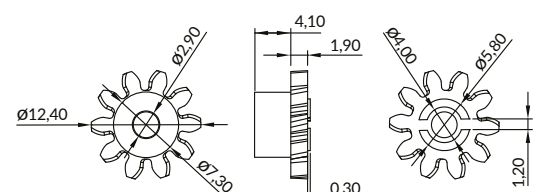


- Mercedes (ver.precedenti alla 124) / (versions before the 124)
- Audi (fino al 1988) / (until the 1988)
- Volkswagen Golf 1



Three white plastic gears of different sizes and orientations are shown against a light gray background. The gears are arranged in a row, with the smallest gear on the left, a medium-sized gear in the center, and the largest gear on the right. Each gear has a central hole and several teeth. The gears are made of a smooth, white plastic material.

- Mercedes (ver.precedenti alla 124)
/ (versions before the 124)
- Audi (fino al 1988) / (until the 1988)
- Volkswagen Golf 1



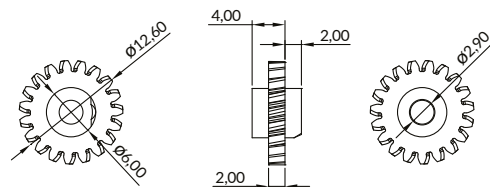
SEP-R21



Ingranaggio / Automotive gear

19 denti / 19 teeth

- Mercedes 124
- Audi 80-100
- Volkswagen Golf 2
- Volvo VDO



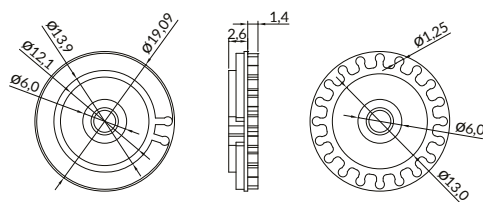
SEP-R22



Ingranaggio / Automotive gear

20 denti / 20 teeth

- Mercedes 124
- Audi
- Volkswagen VDO



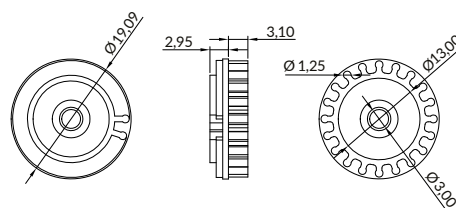
SEP-R23



Ingranaggio / Automotive gear

20 denti / 20 teeth

- Mercedes
- Audi
- Volkswagen
- Volvo



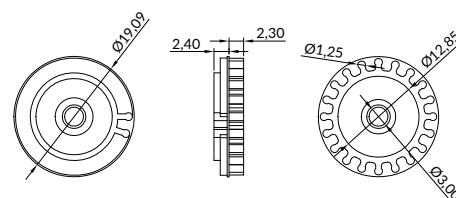
SEP-R24



Ingranaggio / Automotive gear

20 denti / 20 teeth

- Mercedes
- Audi
- Volkswagen Motometer
- Volvo



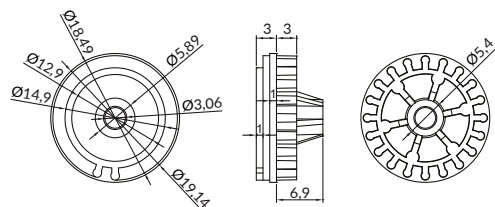
SEP-R25



Ingranaggio / Automotive gear

20 denti / 20 teeth

- Mercedes



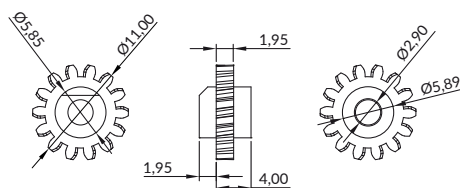
SEP-R26



Ingranaggio / Automotive gear

14 denti / 14 teeth

- Audi 80
- Audi 100
- Volvo 850
- Mercedes S Series



SEP-R28

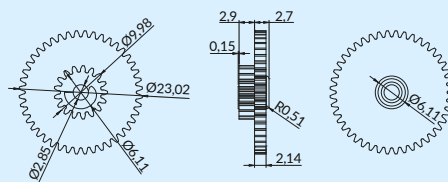


Ingranaggio / Automotive gear

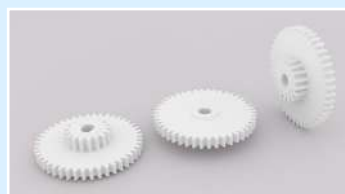
44 denti esterni - 17 interni

44 external teeth - 17 internal

- contachilometri elettronico BMW 316/318/320 (1988/1990) / electronic speedometer for BMW 316/318/320 (1988/1990)



SEP-R33

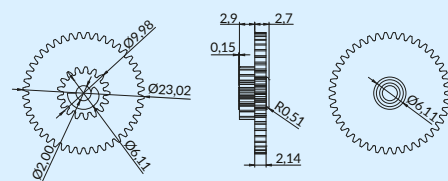


Ingranaggio / Automotive gear

44 denti esterni - 17 interni

44 external teeth - 17 internal

- contachilometri elettronico BMW 316/318/320 (1988/1990) / electronic speedometer for BMW 316/318/320 (1988/1990)



SEP-R28 e SEP-R33 differiscono tra di loro esclusivamente per il diametro del foro interno.

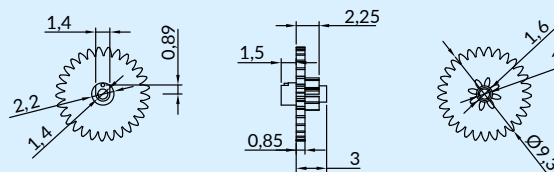
SEP-R28 and SEP-R33 are different just in the diameter of the internal hole.

SEP-R27



Ingranaggio / Automotive gear
29 denti esterni - 8 interni
29 external teeth - 8 internal teeth

- Volkswagen
- Audi
- Mercedes
- Opel
- Seat
- Skoda



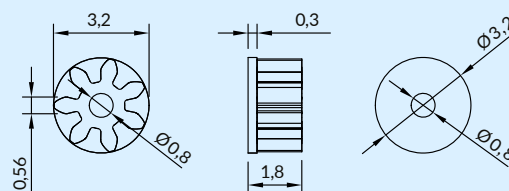
Ricambio per la riparazione dei motorini per contachilometri 91 255 002/005/006/007/008/112.
 It replaces the most internal gear of the stepper motors 91 255 002/005/006/007/008/112.

SEP-R32



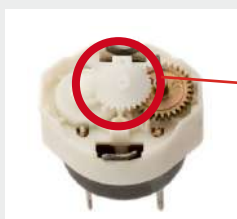
Ingranaggio / Automotive gear
7 denti / 7 teeth

- Volkswagen
- Audi
- Mercedes
- Opel
- Seat
- Skoda



Sostituisce l'ingranaggio più interno dei motorini 91 255 002/005/006/007/008/112.
 It replaces the most internal gear of the stepper motors 91 255 002/005/006/007/008/112.

SEI-MOT08



Kit 2 ingranaggi R27 + R32

SEP-R27-R32

Kit di ingranaggi per la riparazione dei motorini per contachilometri **Volkswagen, Audi, Mercedes, Opel, Seat e Skoda** (91 255 002/005/006/007/008/112).

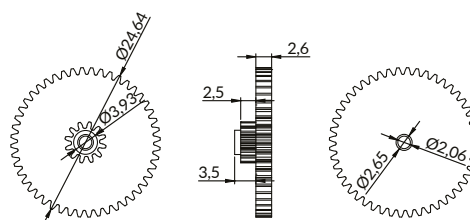
Kit of gears to repair the stepper motors for **Volkswagen, Audi, Mercedes, Opel, Seat and Skoda** speedometers (91 255 002/005/006/007/008/112).

SEP-R29



Ingranaggio / Automotive gear
48 denti esterni - 12 interni
48 external teeth - 12 internal teeth

- Mercedes S Class W126 models
 280 S / 280 SE / 380 E / 500 E

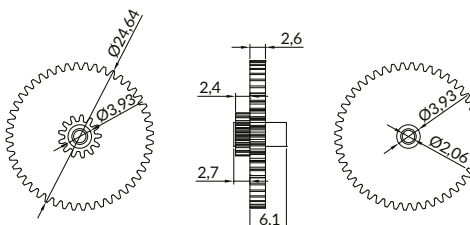


SEP-R30



Ingranaggio / Automotive gear
48 denti esterni - 13 interni
48 external teeth - 13 internal teeth

- Mercedes S Class W126 models
 280 S / 280 SE / 380 E / 500 SE

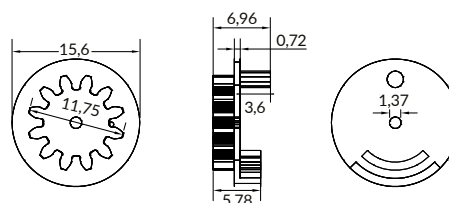


SEP-R31



Ingranaggio / Automotive gear
12 denti / 12 teeth

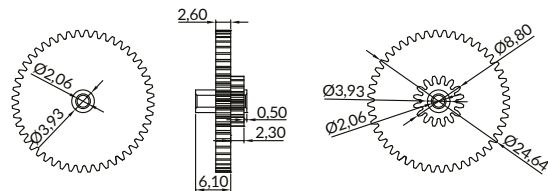
- Mercedes SL



SEP-R34



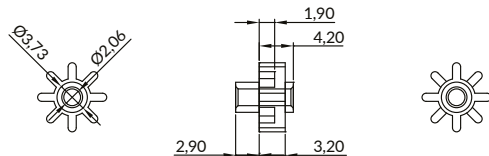
Ingranaggio / Automotive gear
48 denti esterni - 16 interni /
48 external teeth - 16 internal teeth
 • Mercedes SL (1998)



SEP-R35



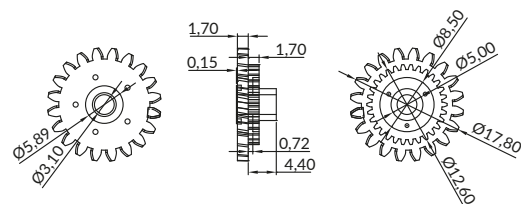
Ingranaggio / Automotive gear
8 denti / 8 teeth
 • Porsche 356 (1963)



SEP-R37



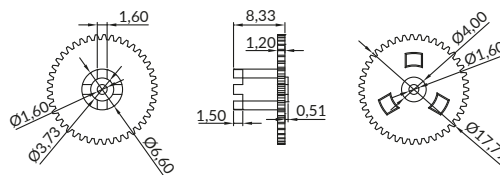
Ingranaggio / Automotive gear
20 denti esterni - 30 interni
20 external teeth - 30 internal teeth
 • Porsche 911/964/965/993
 (dal/from 1994 al/to 1998)



SEP-R38



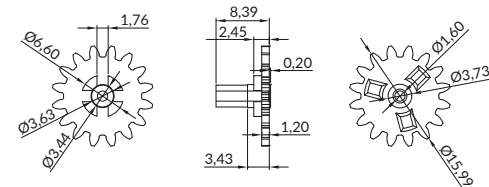
Ingranaggio / Automotive gear
43 denti / 43 teeth
 • Porsche 911/964/965/993
 (dal/from 1974 al/to 1998)



SEP-R39



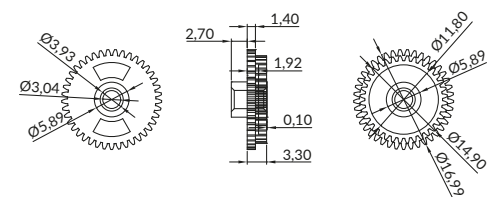
Ingranaggio / Automotive gear
16 denti / 16 teeth
 • Porsche 911/964/965/993
 (dal/from 1974 al/to 1998)



SEP-R40



Ingranaggio / Automotive gear
41 denti esterni - 36 interni
41 external teeth - 36 internal teeth
 • Porsche 911/964/965/993
 (dal/from 1974 al/to 1998)



SEP-R37-R40

SEP-R37



SEP-R39



SEP-R38



SEP-R40



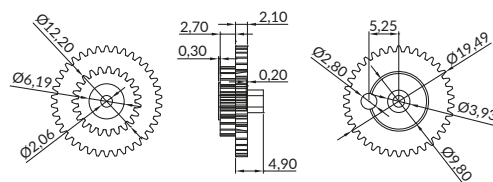
Kit trasformazione contachilometri PORSCHE da miglia a chilometri
Miles to km conversion kit for PORSCHE speedometers

• Porsche 911/964/965/993
 (dal/from 1974 al/to 1998)

SEP-R41



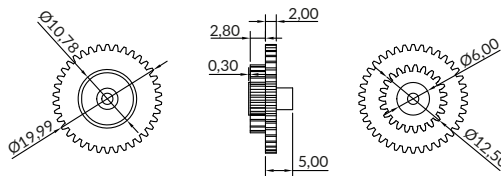
Ingranaggio / Automotive gear
38 denti esterni - 23 interni
38 external teeth - 23 internal teeth
 • BMW 316i Motometer (1990)



SEP-R42



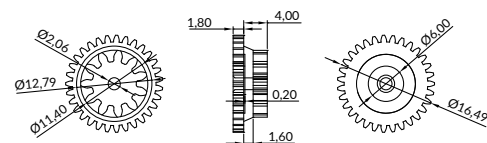
Ingranaggio / Automotive gear
38 denti esterni - 23 interni /
38 external teeth - 23 internal teeth
 • BMW MotoMeter (tra cui BMW Serie 3 E30 / **such as E30 (3-Series)** e/ and BMW Serie 5 E34/ **E34 (5-Series)**)



SEP-R43



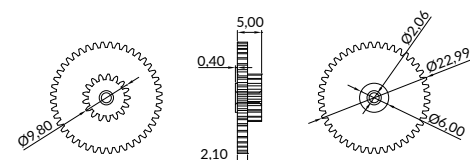
Ingranaggio / Automotive gear
31 denti esterni - 11 interni
31 external teeth - 11 internal teeth
 • BMW MotoMeter (tra cui BMW Serie 3 E30/ **such as E30 (3-Series)** e/ and BMW Serie 5 E34/ **E34 (5-Series)**)



SEP-R44



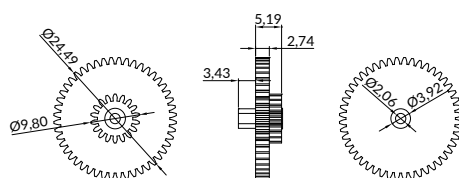
Ingranaggio / Automotive gear
44 denti esterni - 17 interni
44 external teeth - 17 internal teeth
 • BMW MotoMeter (tra cui BMW Serie 3 E30/ **such as E30 (3-Series)** e/ and BMW Serie 5 E34/ **E34 (5-Series)**)



SEP-R45



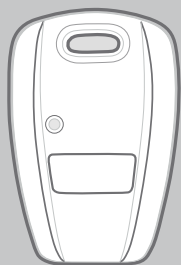
Ingranaggio / Automotive gear
48 denti esterni - 18 interni
48 external teeth - 18 internal teeth
 • BMW MotoMeter, tra cui BMW Serie 3 E30/ **such as E30 (3-Series)** e/ and BMW Serie 5 E34/ **E34 (5-Series)**



**Non riesci a trovare
 il prodotto che ti serve?**
 Contattaci allo 080 2221223

Can't find the spare part you're looking for?
 Send us an e-mail at info@mini.tools

www.mini.tools



Cover chiavi e gommini

Key covers and rubbers

Gommini e cover di ricambio per chiavi auto. Gamma di ricambi per chiavi auto di diverse case automobilistiche (Fiat, Lancia, Toyota, Peugeot, Citroën, Volkswagen, Smart, Mercedes). Si adattano e sostituiscono perfettamente la parte originale danneggiata risolvendo problemi quali: difficoltà nell'apertura o chiusura dell'auto, apertura del vano bagagli.

Replacement rubbers and covers for car keys. Range of keys' spare parts for cars of different manufacturers (Fiat, Lancia, Toyota, Peugeot, Citroën, Volkswagen, Smart, Mercedes). They fit and replace perfectly the damaged original part by solving problems such as: difficulty in opening or closing the car, opening of the luggage compartment.

Cover kit for Toyota keys with 8 sets of adapters



SEPKEY02

Vista interna
Internal view



Vista esterna
External view



Il kit comprende **2 cover e 8 coppie di adattatori** (fronte e retro).

Il vantaggio principale di questa soluzione consiste nel fatto che il cover può essere adattato a tutta la gamma di "lame" **TOYOTA**. Inoltre, il cover frontale è fornito per poter essere adoperato sia nella versione di chiavi a 2 tasti che in quella a 3 tasti. Nella versione a 3 tasti, va rimossa la chiusura corrispondente.

The kit consists of **2 covers and 8 pairs of adapters** (front and rear part) suitable for any **TOYOTA** key model.

The main advantage is that you can reuse the old key and have a single cover adaptable to all of them. The kit can be used both on 2 and 3 buttons keys. In the version with 3 buttons, the closed window must be open.

Cover for Fiat keys

SEPKEY01B

SEPKEY01N



Cover adattabile a chiavi **FIAT**. Si compone di parte anteriore e posteriore, gommino. Disponibile nei colori nero e blu.

Adaptable cover to **FIAT** keys. It is composed by rubber, front and back parts. Available in black and blue colours.

Rubbers for Fiat keys



SEPRUB01B



SEPRUB01N

Gommini adattabili per chiavi **FIAT**. Disponibili nei colori nero e blu.

Adaptable rubbers to **FIAT** keys. Available in black and blue colours.

Cover for Peugeot and Citroën keys

SEPKEY03



SEPKEY03B



Cover adattabile per diversi modelli di chiavi **PEUGEOT** e **CITROËN**. Solo parte anteriore e gommino. E' possibile realizzare autonomamente il cover SEPKEY03B, agendo con lima e tronchesino sulla parte inferiore del SEPKEY03.

Adaptable cover to many models of **PEUGEOT** and **CITROËN** keys. Only front part and rubber. SEPKEY03B is obtained by modifying the SEPKEY03 cutting away a small piece of plastic below the cover (as in the picture). This can be done by yourselves.

Cover for Citroën and Peugeot keys

SEPKEY04



Vista interna
Internal view

SEPKEY08



Vista interna
Internal view

Cover adattabile per diversi modelli di chiavi **CITROËN** e **PEUGEOT**. Solo parte anteriore e gommino.

Adaptable cover to many models of **CITROËN** and **PEUGEOT** keys. Only front part and rubber.

Cover for Fiat and Lancia keys

SEPKEY05



Vista interna
Internal view

Cover adattabile per diversi modelli di chiavi **FIAT** e **LANCIA**. Solo parte anteriore e gommino.

Adaptable cover to many models of **FIAT** and **LANCIA** keys. Only front part and rubber.

Cover for Smart keys

SEPKEY06



Retro/Back

Cover adattabile a tre tasti per chiavi **SMART**. Si compone di parte anteriore, posteriore e gommino.

Adaptable cover to **SMART** keys with 3 buttons. It includes rubber, front and rear part.

SEPKEY07



Cover for Opel keys

Cover adattabile per chiavi **OPEL CORSA** e **MERIVA** (fino al 2006). Si compone di parte anteriore, posteriore e gommino.

Adaptable cover to **OPEL CORSA** and **MERIVA** keys (models until 2006). It is composed by rubber, front and rear parts.

Rubbers for Audi and Volkswagen keys

SEPRUB02



SEPRUB03



Gommini adattabili per diversi modelli di chiavi **AUDI** e **VOLKSWAGEN**.

Adaptable black rubbers to many models of **AUDI** and **VOLKSWAGEN** keys.

Rubber for Smart keys



SEPRUB04

Gommino adattabile per chiavi **SMART** con 3 tasti.

Adaptable black rubber to **SMART** keys, with 3 buttons.

Rubber for Smart keys



SEPRUB05

Gommino adattabile per chiavi **SMART**. **Colore:** arancio.

Adaptable rubber to **SMART** keys. **Colour:** orange.

Rubber for Smart Forfour keys



SEPRUB06

Gommino adattabile per chiavi **SMART FORFOUR**.

Adaptable rubber to **SMART FORFOUR** keys.

Rubber for Toyota keys



SEPRUB07

Gommino adattabile per chiavi **TOYOTA** con tre tasti. La versione a due tasti si può ottenere facilmente rimuovendo quello superfluo.

Adaptable rubber to **TOYOTA** keys with 3 buttons. Two buttons version is easily available by removing the unnecessary button.

Rubbers for Mercedes keys

SEPRUB08



SEPRUB09



Gommini adattabili per diversi modelli di chiavi **MERCEDES**.

SEPRUB08:
dimensioni 21x32mm.
SEPRUB09:
dimensioni Ø 18mm.

Adaptable rubbers to many models of **MERCEDES** keys.

SEPRUB08:
size 21x32mm.
SEPRUB09:
size Ø 18mm.

Rubbers for Fiat keys

SEPRUB10B



SEPRUB10N



SEPRUB11B



SEPRUB11N



Gommini adattabili per diversi modelli di chiavi **FIAT** (parte superiore a 2 tasti e parte inferiore singolo tasto).

Colore:

Blu e nero.

Dimensioni:

SEPRUB10B: 30,65mm + 14,25mm

SEPRUB10N: 30,65mm + 14,25mm

SEPRUB11B: 30,65mm + 13mm

SEPRUB11N: 30,65mm + 13mm

Adaptable rubbers to many models of **FIAT** keys (2 buttons upper part and single button bottom part).

Colour:

Blue and black.

Size:

SEPRUB10B: 30,65mm + 14,25mm

SEPRUB10N: 30,65mm + 14,25mm

SEPRUB11B: 30,65mm + 13mm

SEPRUB11N: 30,65mm + 13mm

Rubber for Smart Fortwo Keys



SEPRUB12

Gommino adattabile per chiavi **SMART FORTWO**, con tre tasti.

Adaptable rubber to **SMART FORTWO** keys, with 3 buttons.

Rubber for Citroën keys



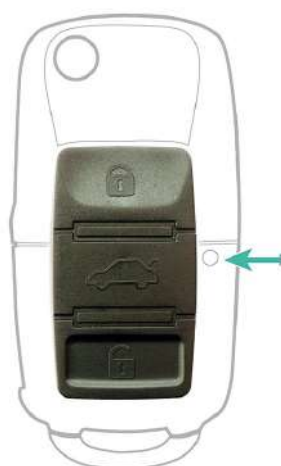
SEPRUB13

Gommino adattabile per chiavi **CITROËN** (ad esempio **XSARA** dal 2001).

Adaptable rubber to **CITROËN** keys (such as **XSARA** from 2001).

Rubber for Volkswagen, Seat and Skoda keys

SEPRUB14B



SEPRUB15B

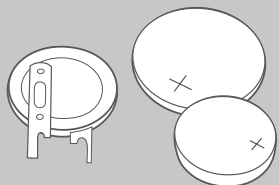


Gommino adattabile per diversi modelli di chiavi **VOLKSWAGEN**, **SEAT** e **SKODA** a tre tasti.

Adaptable rubber to many models of **VOLKSWAGEN**, **SEAT** and **SKODA** keys with 3 buttons.

NOTA: E' importante la posizione del LED.

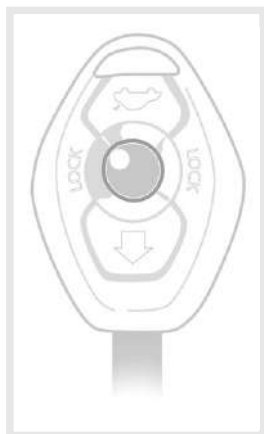
NOTE: The LED position is important.



Batterie

Batteries

Non disponibili in Paesi extra UE
Not available in not EU Countries



SEI-PA-VL2020
Utilizzabile su
chiavi BMW.
Usable on BMW
keys.



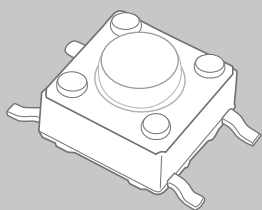
A bottone a litio / Lithium button battery

CODICE / CODE MARCA / BRAND MODELLO / MODEL

			Diametro / Diameter	Spessore / Thickness	Volt	MAH
SEI-TX-CR1220	TECXUS	CR1220	12	2	3	35
SEI-PA-BR1225	PANASONIC	BR1225	12	2,5	3	48
SEI-VA-CR1616	VARTA	CR1616	16	1,6	3	55
SEI-RE-CR1620	RENATA	CR1620	16	2	3	70
SEI-VA-CR1620	VARTA	CR1620	16	2	3	70
SEI-RE-CR1632	RENATA	CR1632	16	3,2	3	125
SEI-EG-CR2016	ENERGIZER	CR2016	20	1,6	3	90
SEI-PA-CR2025	PANASONIC	CR2025	20	2,5	3	160
SEI-VA-CR2025	VARTA	CR2025	20	2,5	3	170
SEI-EG-CR2032	ENERGIZER	CR2032	20	3,2	3	240
SEI-PA-CR2016	PANASONIC	CR2016	20	1,6	3	90
SEI-PA-CR2032	PANASONIC	CR2032	20	3,2	3	220
SEI-VA-CR2032	VARTA	CR2032	20	3,2	3	230
SEI-PA-BR2325	PANASONIC	BR2325	23	2,5	3	165
SEI-PA-CR2354	PANASONIC	CR2354	23	5,4	3	360
SEI-PA-CR2412	PANASONIC	CR2412	24	1,2	3	100
SEI-EG-CR2430	ENERGIZER	CR2430	24	3	3	290
SEI-TX-CR2450	TECXUS	CR2450	24	5	3	600
SEI-EG-CR2450	ENERGIZER	CR2450	24,5	5	3	620
SEI-RE-CR2477N	RENATA	CR2477	24,5	7,7	3	950
SEI-PA-CR3032	PANASONIC	CR3032	30	3,2	3	500

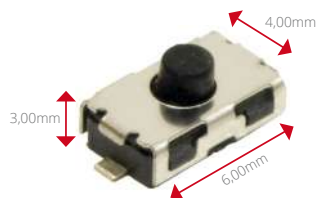
Ricaricabile / Rechargeable

SEI-PA-VL2020	PANASONIC	VL2020	20	2,7	3	20
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Pulsanti e micropulsanti

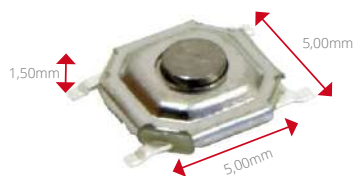
Switches and microswitches



SEI-SW01

Dimensioni: 6x4x3 mm
Normalmente chiuso
Confezione da 10 pezzi

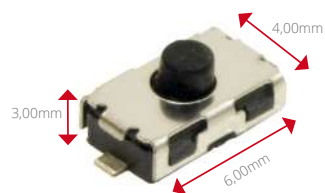
Size: 6x4x3 mm
Normally closed
10 pcs package



SEI-SW02

Dimensioni: 5x5x1,5 mm
Normalmente aperto
Confezione da 10 pezzi

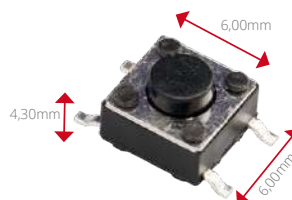
Size: 5x5x1,5 mm
Normally open
10 pcs package



SEI-SW03

Dimensioni: 6x4x3 mm
Normalmente aperto
Confezione da 10 pezzi

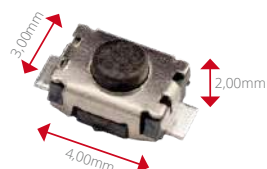
Size: 6x4x3 mm
Normally open
10 pcs package



SEI-SW04

Dimensioni: 6x6x4,3 mm
Normalmente aperto
Confezione da 10 pezzi

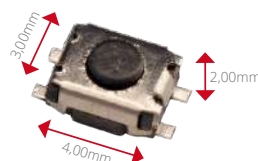
Size: 6x6x4,3 mm
Normally open
10 pcs package



SEI-SW05

Dimensioni: 3x4x2 mm
Normalmente aperto
Confezione da 10 pezzi

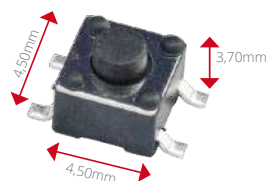
Size: 3x4x2 mm
Normally open
10 pcs package



SEI-SW06

Dimensioni: 3x4x2 mm
Normalmente aperto
Confezione da 10 pezzi

Size: 3x4x2 mm
Normally open
10 pcs package



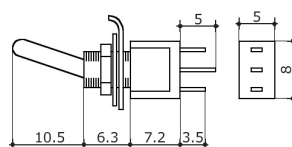
SEI-SW07

Dimensioni: 4,5x4,5x3,7 mm
Normalmente aperto
Confezione da 10 pezzi

Size: 4,5x4,5x3,7 mm
Normally open
10 pcs package

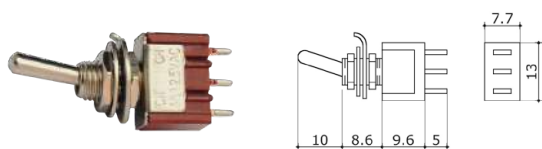


SEI-SW08



Interruttore-deviatore a levetta

Toggle switch



SEI-SW09

Interruttore-deviatore a levetta

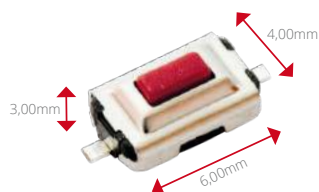
Toggle switch



SEI-SW10

Interruttore-deviatore a chiave

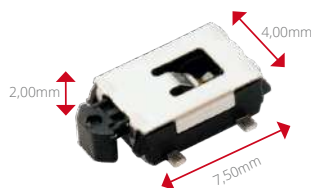
Key-operated switch



SEI-SW11

Dimensioni: 6x4x3 mm
Normalmente aperto
Confezione da 10 pezzi

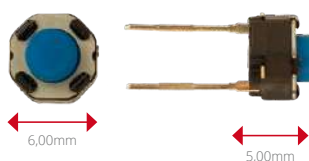
Size: 6x4x3 mm
Normally open
10 pcs package



SEI-SW12

Dimensioni: 7,5x4x2 mm
Normalmente aperto
Ad azionamento laterale
Confezione da 10 pezzi

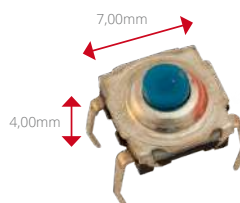
Size: 7,5x4x2 mm
Normally open
Side switch
10 pcs package



SEI-SW13

Dimensioni: 6x6x5mm
Normalmente aperto
Confezione da 10 pz

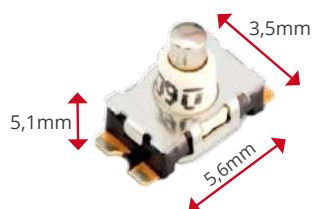
Size: 6x6x5mm
Normally open
10 pcs package



SEI-SW14

Dimensioni: 7x7x4mm
Normalmente aperto
Confezione da 10 pz

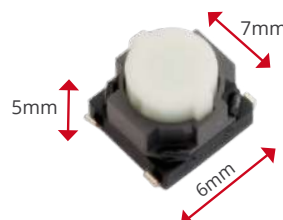
Size: 7x7x4mm
Normally open
10 pcs package



SEI-SW15

Codice produttore: Y49A21331FP
Dimensioni: 5,6x3,5x5,1mm
Normalmente aperto
Confezione da 10 pz

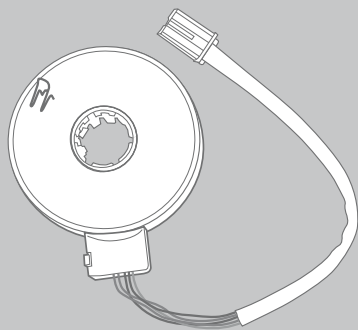
Manufacturer code: Y49A21331FP
Size: 5,6x3,5x5,1mm
Normally open
10 pcs package



SEI-SW16

Dimensioni: 6X7X5mm
Normalmente aperto
Confezione da 10 pz

Size: 6x7x5mm
Normally open
10 pcs package



Strumenti e ricambi per idroguida

Power steering parts and tools

Tester e ricambi per sistema idroguida. Sensori di coppia di ricambio per servosterzo elettrico (EPS). Utilizzabili su diversi modelli di autovetture (Fiat, Opel, Lancia, ecc.) si differenziano per il colore della guaina protettiva del cavo di connessione (gialla, blu, bianca, verde, ecc.) e per il numero di fili.

Range of replacement sensors for electric power steering (EPS). Used on several car models (Fiat, Lancia, Opel, etc.) they can easily be recognized by the colour of the protective cable sheath (yellow, blue, white, green, etc.) and by the number of wires.

Tester for steering sensors

SEP-SENSTEST1



È consigliato l'utilizzo del tester da parte di personale qualificato ed esperto.
The tester must be used only by expert.

Tester per sensori di coppia con **autoriconoscimento** del sensore. Visualizza sia le informazioni di posizione che di coppia con **risoluzione di 0,01°**.

Attraverso i 2 connettori (8 pin e 6 pin) può testare diversi tipi di sensori (guaina gialla, blu, verde, bianca, viola, arancione, ecc). Nei sensori con guaina blu, viola o arancione può inoltre testare il 7° filo.

Attraverso gli adattatori acquistabili separatamente (es: SEP-TE01) è possibile testare ulteriori sensori di coppia.

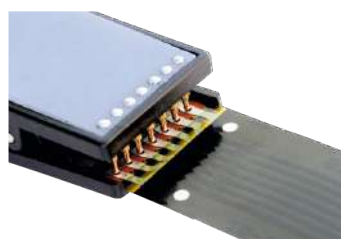
Di facile utilizzo, non richiede nessuna impostazione preliminare. Si alimenta attraverso una comune batteria 9V (IEC-6LR61).

Tester for steering sensors in **auto-detect**. It shows all information about sensors' position with a **resolution of 0,01°**.

It has 2 connectors (8 pins and 6 pins), so it is possible to test several sensors (cable colour: yellow, blue, green, white, purple, orange, etc). It's also possible to test the 7th wire in the blue, purple and orange cable sensors. Using the adapters it is possible to test more steering sensors. They are sold separately. Very easy to use, it doesn't require previous setup. Supply power with 9V battery (IEC-6LR61).

Test clip for steering sensors with flat

SEP-TE01



Pinza di test 7 pin per sensori di coppia con flat.

7 pin test clip for steering sensors with flat.



Steering sensor adapter Hyundai Accent

SEP-TE02

Cavo adattatore per sensore
HYUNDAI ACCENT.

Adapter cable for **HYUNDAI
ACCENT** steering sensor.



Steering sensor adapter Fiat 600

SEP-TE03

Cavo adattatore per sensore **FIAT
600**.

Adapter cable for **FIAT 600**
steering sensor.



Steering sensor adapter Opel Corsa B/C

SEP-TE04

Cavo adattatore per sensore
OPEL CORSA B/C.

Adapter cable for **OPEL CORSA
B/C** steering sensor.

ASSISTENZA
TECNICA



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SUPPORT

AFFIDABILITÀ



TRUSTWORTHY
COMPANY

GARANZIA
SUI PRODOTTI



PRODUCT
WARRANTY

SPEDIZIONI
INTERNAZIONALI



WORLDWIDE
SHIPPING



È consigliata l'installazione dei sensori da parte di personale **qualificato ed esperto**.



It is advisable to ensure that the installation is made by **qualified and expert staff**.

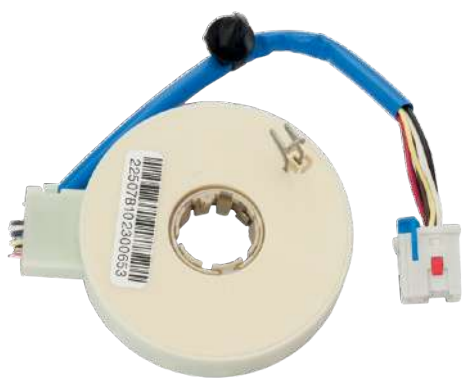


Steering sensor for Fiat Punto 188

SEI-SEN01

Cavo giallo, 6 fili, connettore nero
6 pin

Yellow cable, 6 wires, black
connector 6 pins



Steering sensor for Fiat Grande Punto / Fiat Panda / Lancia Y

SEI-SEN02

Cavo blu, 7 fili, connettore grigio,
8 pin

Blu cable, 7 wires, grey connector,
8 pins



Steering sensor for Fiat Grande Punto

SEI-SEN03

Cavo bianco, 6 fili, connettore
grigio 8 pin

White cable, 6 wires, grey
connector 8 pins



Steering sensor for Fiat Panda / Lancia Y

SEI-SEN04

Cavo verde, 6 fili, connettore
grigio 8 pin

Green cable, 6 wires, grey
connector 8 pins



É consigliata l'installazione dei sensori da parte di personale **qualificato ed esperto**.



It is advisable to ensure that the installation is made by **qualified and expert staff**.



Steering sensor for Fiat Punto EVO / Opel Corsa

SEI-SEN05

Con flat 7 pin. Si può montare su auto con o senza ABS.

With 7 pins flat. Installable on cars with or without ABS.

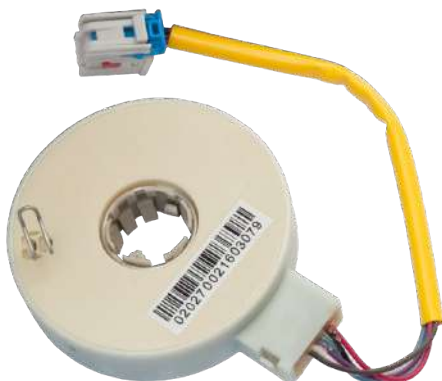


Steering sensor for Fiat Grande Punto / Fiat 500 / Opel Corsa D

SEI-SEN06

Cavo arancio, 7 fili, connettore grigio 8 pin

Orange cable, 7 wires, grey connector 8 pins



Steering sensor for Fiat Grande Punto / Fiat 500 / Ford KA

SEI-SEN07

Cavo giallo, 6 fili, connettore grigio 8 pin

Yellow cable, 6 wires, grey connector 8 pins



Steering sensor for Opel Meriva

SEI-SEN08

Cavo grigio, 6 fili connettore grigio 8 pin

Grey cable, 6 wires, grey connector 8 pins



È consigliata l'installazione dei sensori da parte di personale **qualificato ed esperto**.



It is advisable to ensure that the installation is made by **qualified and expert** staff.

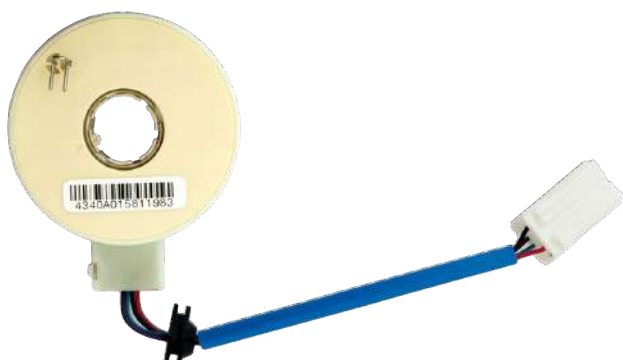


Steering sensor for Fiat 199 / Lancia / Alfa Romeo

SEI-SEN09

Cavo viola, 7 fili, connettore grigio
8 pin

Purple cable, 7 wires, grey
connector 8 pins



Steering sensor for Hyundai Accent

SEI-SEN10

Cavo blu, 4 fili, connettore bianco
6 pin

Blue cable, 4 wires, white
connector 6 pins



Steering sensor for Hyundai i10/i20

SEI-SEN11

Cavo giallo, 4 fili, connettore
bianco 6 pin.

Yellow cable, 4 wires, white
connector 6 pins.

Strumenti e ricambi per idroguida
Power steering parts and tools



TEMPI DI CONSEGNA

ITALIA: 1-2 giorni

EU: 1-2 giorni

NON EU: circa 4 gg lavorativi



DELIVERY TIME

ITALY: 1-2 days

EU: 1-2 days

NON EU: around 4 working days

Flat for sensors



SEPFLAT-S05

Flat di ricambio 7 pin adattabile ai sensori di coppia con flat.

7 pins adaptable flat to steering sensors with flat.

4+4 Pin male connector



SEP-CONN01

Connettore 4+4 pin maschio per sensori sterzo.

4+4 pin male connector for steering sensors.

3+3 Pin male connector



SEP-CONN02

Connettore 3+3 pin maschio per sensori sterzo.

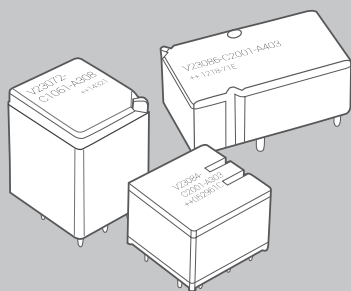
3+3 pin male connector for steering sensors.

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DELIVERY**

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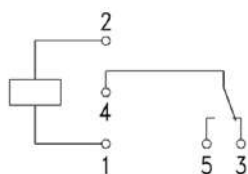


Relé per la riparazione dell'elettronica dell'auto

Relays for
automotive
electronic repair

Relè per la riparazione di
centraline auto di diverse
case automobilistiche
(Fiat, Bmw, Opel, Peugeot,
Renault, ecc).

Relays to repair car
control units of several
manufacturers (Fiat, Bmw,
Opel, Peugeot, Renault,
etc).



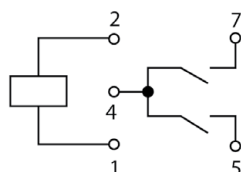
Relay V23072-C1061-A303

SEI-V23072-C1061-A303

Brand: TYCO Electronics

Applicazione: centraline alzacristalli **BMW E38, E39, E53 (X5).**

Application: **BMW E38, E39, E53 (X5)** window regulator control units.



Relay V23072-C1061-A308

SEI-V23072-C1061-A308

Brand: TYCO Electronics

Applicazione: idroguida **FIAT PUNTO 188.**

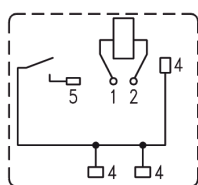
Application: **FIAT PUNTO 188** power steering system.

NOTA: E' disponibile il relè compatibile con l'originale

Codice: **SEI-RELE4117-U-Z**

NOTE: It's available the compatible relay to the original one

Codice: **SEI-RELE4117-U-Z**



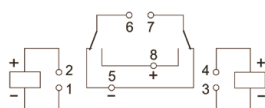
Relay V23076-A3001-C132

SEI-V23076-A3001-C132

Brand: TYCO Electronics

Applicazione: centraline ventola **OPEL.**

Application: **OPEL** fan control units.



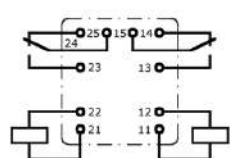
Relay V23078-C1002-A303

SEI-V23078-C1002-A303

Brand: SIEMENS/TYCO Electronics

Applicazione: centralina chiusura centralizzata / alzacristalli per **BMW, AUDI e VOLKSWAGEN.**

Application: **BMW, AUDI and VOLKSWAGEN** central locking / window regulator control units.



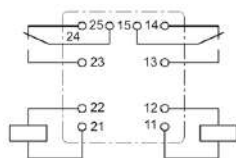
Relay V23084-C2001-A303 2X15A DC12V

SEI-V23084-C2001-A303

Brand: TYCO Electronics

Applicazione: centralina chiusura centralizzata / alzacristalli **BMW E46.**

Application: **BMW E46** central locking / window regulator control units.



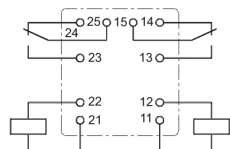
Relay V23084-C2001-A403

SEI-V23084-C2001-A403

Brand: TYCO Electronics

Applicazione: modulo sedili **MERCEDES Classe C, E, CLK** (dal 2000 al 2008).

Application: seat module for **MERCEDES C, E, CLK Class** (from 2000 to 2008).



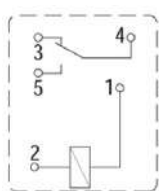
Relay V23084-C2002-A403

SEI-V23084-C2002-A403

Brand: TYCO Electronics

Applicazione: centraline chiusura centralizzata / alzacristalli **BMW E46**.

Application: **BMW E46** central locking / window regulator control units.



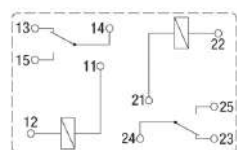
Relay V23086-C1001-A403

SEI-V23086-C1001-A403

Brand: TYCO Electronics

Applicazione: centraline chiusura centralizzata / alzacristalli per **BMW E53 (X5), E39**

Application: **BMW E53 (X5), E39** central locking / window regulator control units.



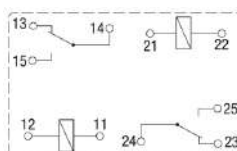
Relay V23086-C2001-A403

SEI-V23086-C2001-A403

Brand: TYCO Electronics

Applicazione: centralina alzacristalli posteriori **BMW E53 (X5)** ed **E39**.

Application: **BMW E53 (X5)** and **E39** back windows control unit repair.



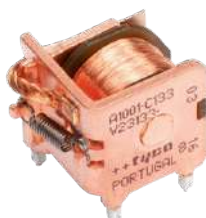
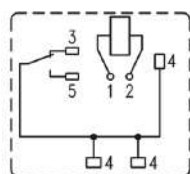
Relay V23086-M2011-A303

SEI-V23086-M2011-A303

Brand: TYCO Electronics

Applicazione: varie centraline.

Application: several control units.



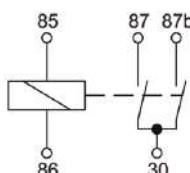
Relay V23133-A1001-C133 12V

SEI-V23133-A1001-C133

Brand: TYCO Electronics

Applicazione: centralina **BMW E31**.

Application: **BMW E31** control unit.



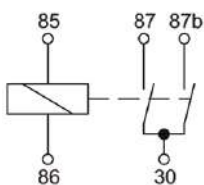
Relay V23134-M52-G242

SEI-V23134-M52-G242

Brand: TYCO Electronics

Applicazione: centraline idroguida **FIAT STILO/IDEA, RENAULT MEGANE/MODUS**.

Application: **FIAT STILO/IDEA, RENAULT MEGANE/MODUS** power steering system.



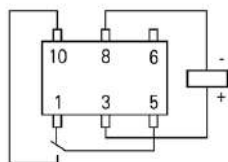
Relay V23134-M52-X440

SEI-V23134-M52-X440

Brand: TYCO Electronics

Applicazione: idroguida TRW.

Application: TRW power steering system.



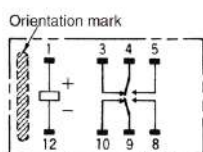
Relay V23026-A1001-B201

SEI-V23026-A1001-B201

Brand: AXICOM / SIEMENS

Applicazione: varie centraline / vari quadri strumenti.

Application: several units / several control instrument clusters.



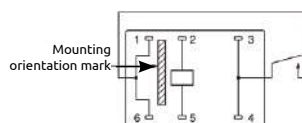
Relay G6S2-12VDC

SEI-G6S2-12VDC

Brand: OMRON

Applicazione: varie centraline.

Application: several control units.



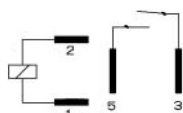
Relay G8FE-1AP-L12VDC

SEI-G8FE-1AP-L12VDC

Brand: OMRON

Applicazione: varie centraline, tra cui TOYOTA AURIS.

Application: several control units such as TOYOTA AURIS.



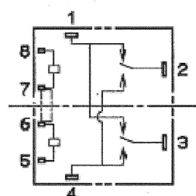
Relay G8HL-1A4P-SI4 12VDC 80Ω

SEI-G8HL-1A4P-SI4

Brand: OMRON

Applicazione: varie centraline.

Application: several control units.



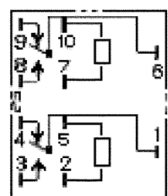
Relay G8ND-2S-12VDC

SEI-G8ND-2S-12VDC

Brand: OMRON

Applicazione: centraline UCH RENAULT Megane / Scénic.

Application: RENAULT Megane / Scénic UCH units.



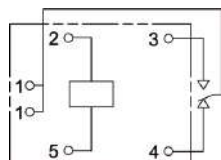
Relay G8NW-2S-12VDC

SEI-G8NW-2S-12VDC

Brand: OMRON

Applicazione: centraline UCH RENAULT Megane / Scénic.

Application: RENAULT Megane / Scénic UCH units.



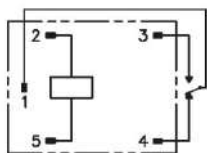
Relay G8QE-1A 12VDC

SEI-G8QE-1A

Brand: OMRON

Applicazione: idroguida TOYOTA Aygo, CITROËN C1 e PEUGEOT 107.

Application: TOYOTA Aygo, CITROËN C1 and PEUGEOT 107 power steering system.



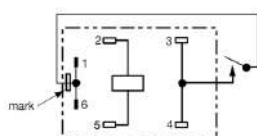
Relay G8QN-1C4-DC12

SEI-G8QN-1C4-DC12

Brand: OMRON

Applicazione: varie centraline, tra cui BSI PEUGEOT 206.

Application: several control units, such as PEUGEOT 206 BSI.



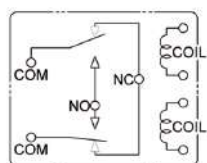
Relay G8 SE-1A4L 12VDC 320Ω

SEI-G8SE-1A4-L12VDC-320

Brand: OMRON

Applicazione: varie centraline, tra cui MITSUBISHI e servosterzo SMART Forfour.

Application: several control units such as MITSUBISHI and SMART Forfour power steering.



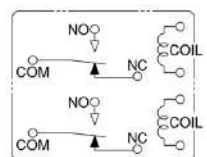
Relay ACT212-12V

SEI-RELE-ACT212-12V

Brand: Nais / Panasonic

Applicazione: varie centraline auto.

Application: several control units repair.



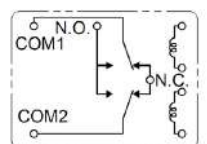
Relay ACT512M05-12V

SEI-ACT512M05-12V

Brand: Nais / PANASONIC

Applicazione: varie centraline, tra cui OPEL.

Application: several control units such as OPEL.



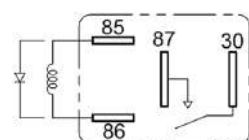
Relay CF2-12V-ACF231

SEI-CF2-12V-ACF231

Brand: Nais / PANASONIC

Applicazione: vari body computer tra cui: centraline FIAT, MERCEDES, VOLKSWAGEN, ecc (dal 1999 in poi).

Application: several body computers such as FIAT, MERCEDES, VOLKSWAGEN, etc., control units (from 1999 on).



Relay CM1-D-P-12V

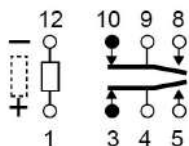
SEI-CM1-D-P-12V

Brand: PANASONIC

Applicazione: varie centraline

Application: several control units





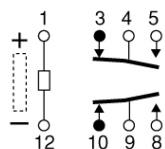
Relay TX2SA-5V

SEI-TX2SA-5V

Brand: NAIS / PANASONIC

Applicazione: varie centraline / vari quadri strumenti.

Application: several control units / several instrument clusters.



Relay TX2-9V

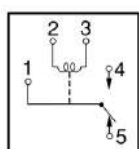
SEI-TX2-9V



Brand: PANASONIC

Applicazione: varie centraline / vari quadri strumenti.

Application: several control units / several instrument clusters.



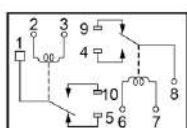
Relay EP1F-B3G1S

SEI-EP1F-B3G1S

Brand: NEC

Applicazione: varie centraline, tra cui centraline BSI **PEUGEOT**, **CITROËN** e **RENAULT** (es. Espace).

Application: several control units such as **PEUGEOT**, **CITROËN** and **RENAULT** BSI (e.g. Espace).



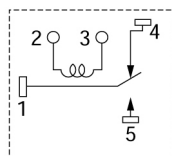
Relay EP2F-B3G1ST

SEI-EP2F-B3G1ST

Brand: NEC

Applicazione: varie centraline, tra cui centraline BSI **PEUGEOT**, **CITROËN** e **RENAULT** (es. Espace).

Application: several control units such as **PEUGEOT**, **CITROËN** and **RENAULT** (e.g. Espace) BSI.



Relay ET1-B3M1S

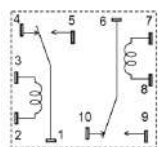
SEI-ET1-B3M1S



Brand: NEC

Applicazione: varie centraline

Application: several control units



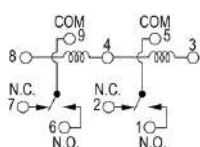
Relay EX2-2U1S

SEI-EX2-2U1S

Brand: NEC

Applicazione: varie centraline tra cui chiusura centralizzata **FORD**.

Application: several control units such as **FORD** central locking.



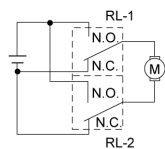
Relay FBR512ND10-WF

SEI-FBR512ND10-WF

Brand: FUJITSU

Applicazione: varie centraline.

Application: several control units.



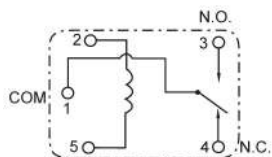
Relay FBR512ND10-W1

SEI-FBR512ND10-W1

Brand: FUJITSU

Applicazione: varie centraline.

Application: several control units.



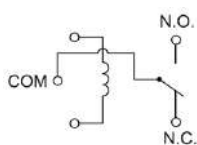
Relay FBR51ND10-W1

SEI-FBR51ND10-W1

Brand: FUJITSU

Applicazione: varie centraline tra cui BSI PEUGEOT 206.

Application: several control units such as BSI PEUGEOT 206.



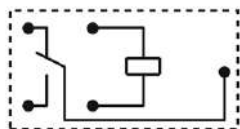
Relay FBR51ND12-N

SEI-FBR51ND12-N

Brand: FUJITSU

Applicazione: varie centraline, tra cui BSI RENAULT Espace.

Application: several control units such as RENAULT Espace BSI.



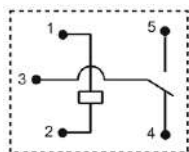
Relay HFKW012-1ZW

SEI-HFKW012-1ZW

Brand: HONGFA

Applicazione: varie centraline, tra cui FIAT e LANCIA.

Application: several control units, such as FIAT and LANCIA.



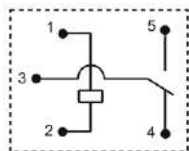
Relay HFKW012-1ZW-L

SEI-HFKW012-1ZW-L

Brand: HONGFA

Applicazione: varie centraline, tra cui body computer FIAT.

Application: several control units such as FIAT body computer.



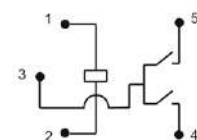
Relay HFKW012-1ZW-L

SEI-HFKW012-1ZW-L

Brand: HONGFA

Applicazione: varie centraline.

Application: several control units.



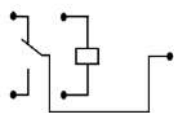
Relay HFKW012-SH

SEI-HFKW012-SH

Brand: HONGFA

Applicazione: varie centraline.

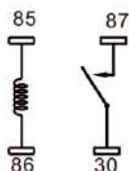
Application: several control units.



Relay NG8N1C0.64

SEI-RELE-NG8N1C0-64

Ricambio compatibile.
Relè per riparazione varie centraline auto.
Compatible spare part.
Relay for several control units repair.



Relay SARE-112DM

SEI-SARE-112DM

Relè per utilizzo generico.
Relay for generic use.

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Relè per la riparazione dell'elettronica dell'auto
Relays for automotive electronic repair

MCU + CPU

Codice/Code	Marca/Brand	Descrizione/Description	Package
SEI-908	MOTOROLA	MCU MC68HC908AZ60 CFU 2J74Y	QFP64 PIN
SEI-908-1L87J	FREESCALE	MCU MC908AZ60A CFU 1L87J	QFP64 PIN
SEI-908-8H62A	MOTOROLA	MCU XC68HC908AZ60 CFU 8H62A	QFP64 PIN
SEI-908A	FREESCALE	MCU MC908AZ60A CFU 3K85K	QFP64 PIN
SEI-MC912D60ACFU8-0L26M	MOTOROLA	MCU MC912D60ACFU8 0L26M	QFP80 PIN
SEI-MC912D60ACFU8-2K38K	MOTOROLA	MCU MC912D60ACFU8 2K38K	QFP80 PIN
SEI-MC912D60ACPVE8-1L02H	FREESCALE	MCU MC912D60ACPVE8 1L02H	QFP112 PIN
SEI-MC912DG128ACPV-3K91D 	MOTOROLA	MCU MC912DG128ACPV 3K91D	QFP112 PIN
SEI-XC912DG128CPV8-5H55W	MOTOROLA	MCU XC912DG128CPV8 5H55W	QFP112 PIN
SEI-XC68HC711E20CFN-2D43R	MOTOROLA	MCU XC68HC711E20CFN 2D43R	PLCC52
SEI-XC68HC711KG4-2F53E	FREESCALE	MCU XC68HC711KG4 2F53E	QFP100 PIN
SEI-MC9S12DG128CFUE-3L40K	FREESCALE	MCU MC9S12DG128CFUE 3L40K	QFP80 PIN
SEI-MC9S12DG128CPVE-3L40K	FREESCALE	MCU MC9S12DG128CPVE 3L40K	QFP112 PIN
SEI-MC9S12DG128VPVE-3L40K	FREESCALE	MCU MC9S12DG128VPVE 3L40K	QFP112 PIN
SEI-MC9S12DG128BMPV-0L85D	MOTOROLA	MCU MC9S12DG128B MPV 0L85D	QFP112 PIN
SEI-MC9S12DT128CPV-0L85D	MOTOROLA	MCU MC9S12DT128CPV 0L85D	QFP112 PIN
SEI-MC9S12DG256C-CPVE-2K79X	FREESCALE	MCU MC9S12DG256C-CPVE 2K79X	QFP112 PIN
SEI-MC9S12H256VFV-1K78X	FREESCALE	MCU MC9S12H256VFV 1K78X	QFP144 PIN

IC

Codice/Code	Marca/Brand	Descrizione/Description	Package
SEI-10027B-676A	ELMOS	IC 10027B-676A 2043B	PLCC68
SEI-58C256	HITACHI	58C256 RAM	DIL 28
SEI-71016SB	MOTOROLA	IC 71016SB	SOP24
SEI-74HC08A	NXP	IC 74HC08A	SOP14
SEI-74HC74A	TI	IC 74HC74A	SOP14
SEI-9338MD	ST	IC L9338MD	SOP20
SEI-9945	-	IC 9945	SOP8
SEI-AT39LBB326764	ST	IC AT39LBB326764	SOP20
SEI-D16861GS	NEC	IC D16861GS	SSOP24
SEI-E310A	mitsubishi	IC E310A	PLCC44
SEI-HCS500-SM	MICROCHIP	IC HCS500/SM	SOIJ8
SEI-L2901D	ST	IC L2901D	SOP14
SEI-L4953G	ST	IC L4953G	SIP15
SEI-L9132	ST	IC ST L9132	POWER SSOP36
SEI-L9134	ST	IC ST L9134	POWER SOP20
SEI-L9143	ST	IC L9143	SOP28
SEI-L9147	ST	IC ST L9147	SSOP36
SEI-L9302AD	ST	IC L9302-AD	HiQUAD-64
SEI-PCF7946	PHILIPS	IC PCF7946	SOP14
SEI-PJ9AB76407	FAIRCHILD	IC PJ9AB76407	SOP8
SEI-SDK05	SK	IC SDK05	SOP16
SEI-SE236	-	IC SE236	DIL24
SEI-SG1524BN	LINFINITY	IC SG1524BN	DIL16
SEI-TD62003AF	TOSHIBA	IC TD62003 AF	SOP16
SEI-TD62003AP	TOSHIBA	IC TD62003 AP	DIP16
SEI-TI28B03	TI	IC TI28B03	SOP8
SEI-TLE4226G	INFINEON	IC TLE4226G	SOP24
SEI-TLE4265S	INFINEON	IC VOLTAGE REGULATOR TLE4265S	TO220-5-2
SEI-TLE6287GP	INFINEON	IC TLE6287GP	POWER SSOP-36
SEI-TLE7188F	INFINEON	IC TLE7188F	VQFN-48
SEI-TY94086FB	FREESCALE	IC TY94086FB	SOP10

SEI-UAF2115	ITT	IC UAF2115	DIL18
SEI-VB025MSP	ST	IC VB025MSP	POWER SO-10
SEI-VN380SP	ST	IC VN380SP	SOP10
SEI-VND05BSP	ST	IC VND05BSP	POWER SO10
SEI-VND600SP	ST	IC VND600SP	POWER SO10
SEI-VND810	ST	IC VND810	SOP16
SEI-VND810SP	ST	IC VND810SP	POWER SO10
SEI-VND830	ST	IC VND830	SO16L
SEI-VND830LSP	ST	IC VND830LSP	POWER SO10
SEI-VND990	ST	IC VND 990	POWER SO20
SEI-VNQ05XSP16	ST	IC VNQ05XSP16	POWER SO16
SEI-VNQ5050AK	ST	IC VNQ5050AK	POWER SO24
SEI-VNQ660SP	ST	IC VNQ660SP	POWER SO10
SEI-VNQ810M	ST	IC VNQ810M	SOP28
SEI-VNQ830M	ST	IC VNQ830M	SOP28
SEI-WFS61	-	IC WFS61	SOT-363

IC DRIVER

Codice/Code	Marca/Brand	Descrizione/Description	Package
SEI-BA6219BFP-Y	ROHM	IC DRIVER BA6219BFP-Y	HSOP25
SEI-D7228AG 	NEC	IC LCD DRIVER NEC D7228AG 80-PIN	QFP80 PIN
SEI-DS89C21	NATIONAL S.	IC DS89C21TM DIFFERENTIAL CMOS LINE DRIVER	SOP8
SEI-MCP2551-I-SN	MICROCHIP	IC CAN TRANSCEIVER MCP2551-I/SN	SOP8
SEI-MLX15119BA	MLX	IC MLX15119BA CONTROLLER DRIVER	SSOP36
SEI-MLX15119BB	MLX	IC MLX15119BB CONTROLLER DRIVER	SSOP36
SEI-MLX15120DB	MLX	IC MLX15120DB CONTROLLER DRIVER	SOP44
SEI-PCF8566T 	NXP	IC LCD DRIVER NXP PCF8566T	VSO40
SEI-SLA2402MS	SANKEN	XENON DRIVER SLA2402MS	SIP18
SEI-TJA1054A	NXP	IC FAULT-TOLERANT CAN TRANSCEIVER TJA1054A	SOP14
SEI-TLE6209-R	INFINEON	IC DRIVER TLE6209-R	SOP20
SEI-TLE6250G	INFINEON	IC CAN TRANSCEIVER TLE6250G	SOP8
SEI-TLE7209-2R	INFINEON	IC DRIVER TLE7209-2R	SOP20

CAR AUDIO DRIVER

Codice/Code	Marca/Brand	Descrizione/Description	Package
SEI-TDA8588AJ	NXP	IC DRIVER TDA8588AJ	DBS37P
SEI-TDA8592J	NXP	IC DRIVER TDA8592J	DBS27P
SEI-TDA7560	ST	MOSFET TDA7560	FLEXIWATT25
SEI-TDA7562	ST	MOSFET TDA7562	FLEXIWATT27
SEI-HA13164AH	RENESAS	IC HA13164AH	HSIP15
SEI-LA47515	SANYO	POWER IC LA47515	HZIP25

MOSFET + TRANSISTOR

Codice/Code	Marca/Brand	Descrizione/Description	Package
SEI-10NB37	ST	MOSFET IGBT STGB10NB37LZ	TO263
SEI-14CL40	FAIRCHILD	MOSFET 14CL40	TO263
SEI-18N40LZ	ST	MOSFET IGBT STGB18N40LZ	TO263
SEI-20CL36	FAIRCHILD	MOSFET 20CL36	TO263
SEI-20N36	FAIRCHILD	MOSFET IGBT 20N36	TO263
SEI-25N04-45L	VISHAY	MOSFET 25N04-45L	TO252
SEI-25N06-45L	VISHAY	MOSFET 25N06-45L	TO252
SEI-2N03L04	INFINEON	MOSFET 2N03L04	TO220
SEI-2N04H4	INFINEON	MOSFET 2N04H4	TO263
SEI-2N04L03	INFINEON	MOSFET 2N04L03	TO220

SEI-2N0608	INFINEON	MOSFET 2N0608	TO220
SEI-2SB1203	SANYO	TRANSISTOR 2SB1203	TO252
SEI-2SK2466	TOSHIBA	TRANSISTOR 2SK2466	TO220
SEI-3055VL	ON	MOSFET 3055VL	TO252
SEI-40N06-25L	VISHAY	MOSFET 40N06-25L	TO252
SEI-4275G	INFINEON	MOSFET 4275G	TO263-5
SEI-4290D	INFINEON	MOSFET 4290D	TO252-5
SEI-5401DM	FAIRCHILD	MOSFET 5401DM	TO263
SEI-5401GM	FAIRCHILD	MOSFET 5401GM	TO220
SEI-74224	-	POWER MOSFET DRIVER SMD IC74224	QFP44
SEI-75343P	FAIRCHILD	MOSFET 75343P	TO220
SEI-75344G	FAIRCHILD	MOSFET 75344G 75A 55V	TO247
SEI-76629D	FAIRCHILD	POWER MOSFET HUF76629D3S	TO252
SEI-76633S	FAIRCHILD	POWER MOSFET HUFA76633S3S	TO263
SEI-95-9911	IR	MOSFET IR 95-9911 TO252	TO252
SEI-A3935KLQ	ALLEGRO	A3935KLQ MULTIMOSFET POWER CONTROLLER	SOP36
SEI-A3940KLP	ALLEGRO	POWER MOSFET CONTROLLER A3940KLP	TSSOP28
SEI-B1449	SANYO	MOSFET B1449	TO263
SEI-B1644	-	MOSFET B1644	TO263
SEI-B60NF06	ST	MOSFET B60NF06	TO263
SEI-BCP52	-	BCP52 TRANSISTOR NPN	SOT-223
SEI-BCP54	-	BCP54 TRANSISTOR NPN	SOT-223
SEI-BCP56	-	BCP56 TRANSISTOR NPN	SOT-223
SEI-BSP171	-	BSP171 TRANSISTOR	SOT-223
SEI-BTS2140-1B	INFINEON	MOSFET BTS2140-1B	TO263
SEI-BTS409L1	INFINEON	MOSFET BTS409L1	TO220
SEI-BTS425	SIEMENS	MOSFET BTS425	TO263-5
SEI-BTS425L1	SIEMENS	MOSFET BTS425L1	TO220-5
SEI-BTS426L1	INFINEON	MOSFET BTS426L1	TO220-5
SEI-BTS5440G	INFINEON	MOSFET BTS5440G	SOP28
SEI-BTS711L1	INFINEON	MOSFET BTS711-L1	SOP20
SEI-BTS728L2	INFINEON	MOSFET BTS728-L2	P-DSO-20
SEI-BTS736L2	INFINEON	MOSFET BTS736-L2	SOP20
SEI-BTS5240G	INFINEON	MOSFET ARRAY BTS5240G	SOP20
SEI-BTS740S2	INFINEON	MOSFET ARRAY BTS740-S2	P-DSO-20
SEI-BTS840S2	INFINEON	MOSFET ARRAY BTS840-S2	POWER SO20
SEI-BUK101-50DL	PHILIPS	MOSFET BUK101-50DL	TO220
SEI-BUK108-50DL	PHILIPS	MOSFET BUK108-50DL	TO263
SEI-BUK46360A	PHILIPS	MOSFET BUK46360A	TO263
SEI-BUK7624-55A	PHILIPS	MOSFET BUK7624-55A	TO263
SEI-BUK7L06	PHILIPS	MOSFET BUK7L06	TO220
SEI-BUK7L11	PHILIPS	MOSFET BUK7L11	TO220
SEI-BUK9214-30A	NXP	MOSFET BUK9214-30A	TO252
SEI-BUK9620-55A	PHILIPS	MOSFET BUK9620-55A	TO263
SEI-BUK9640-100A	PHILIPS	MOSFET BUK9640-100A	TO263
SEI-BUZ100SL	INFINEON	MOSFET BUZ100SL	TO263
SEI-BUZ102SL	SIEMENS	MOSFET BUZ102SL	TO263
SEI-F540NS	IR	MOSFET IRF540NS IR328C 4672	TO263
SEI-FQB7N60	FAIRCHILD	MOSFET FQB7N60	TO263
SEI-HUF75637	FAIRCHILD	MOSFET HUF75637	TO263
SEI-IPB80N04S2-H4	INFINEON	POWER TRANSISTOR IPB80N04S2-H4	TO263
SEI-IR3355	IR	MOSFET IR3355	TO252
SEI-IRF1404L	IR	MOSFET IRF1404L	TO220

SEI-IRF3205	IR	MOSFET IRF3205	TO220
SEI-IRF3710S	IR	MOSFET IRF3710S	TO263
SEI-IRF7103	IR	POWER MOSFET IRF7103	SOP8
SEI-IRFL4105	IR	POWER MOSFET IRFL4105	SOT-223
SEI-IRFSL11N50A	IR	MOSFET IRFSL11N50A	TO262
SEI-IRFZ34N	IR	MOSFET IRFZ34N	TO220
SEI-IRFZ44N	IR	MOSFET IRFZ44N	TO220
SEI-IRL2910S	IR	POWER MOSFET L2910S-5T	TO263
SEI-IRL3705N	IR	MOSFET IRL3705N	TO220
SEI-IRLBA3803	IR	POWER MOSFET IRLBA3803	SUPER-220
SEI-K2414	NEC	MOSFET K2414	TO252
SEI-K2926	-	MOSFET K2926	TO252
SEI-K3597	FUJI ELECTRIC	POWER MOSFET K3597	SOP24
SEI-M5269L	MITSUBISHI	M5269L TRANSISTOR ARRAY	SIP8
SEI-R1020CG	ST	MOSFET R1020CG	TO263
SEI-R4389	-	MOSFET R4389	TO263
SEI-STP260N6F6	ST	MOSFET STP260N6F6 120A	TO220
SEI-STP80NF55-06	ST	MOSFET STP80NF55-06	TO220
SEI-STRF6268	SK	MOSFET STRF6268	ZSIP5
SEI-TPD7203F	TOSHIBA	MOSFET DRIVER TPD7203F	SSOP24
SEI-SUB70N06-14	VISHAY	MOSFET SUB70N06-14	TO263
SEI-TCA700Y	ITT	MOSFET TCA700Y	TO202

VARIE

Codice/Code	Marca/Brand	Descrizione/Description	Package
SEI-A3134L	ALLEGRO	HALL SENSOR A3134L	SOT89

EEPROM DIL08

Codice/Code	Marca/Brand	Descrizione/Description
SEI-NM93C06IEN	NATIONAL	NM93C06IEN
SEI-NMC9307EN	NATIONAL	NM93C07EN
SEI-AT93C46-PI27	ATMEL	AT93C46-PI27
SEI-AT93C56-PI27	ATMEL	AT93C56-PI27
SEI-AT93C66A-PI27	ATMEL	AT93C66A-PI27
SEI-FM93C66N	FAIRCHILD	FM93C66N
SEI-M93C86WP	ST	M93C86WP
SEI-NVM3060	ITT	NVM3060



EEPROM SOP14

Codice/Code	Marca/Brand	Descrizione/Description
SEI-NM93C56M	NATIONAL S.	NM93C56M EEPROM SOP14



EEPROM SOIJ8

Codice/Code	Marca/Brand	Descrizione/Description
SEI-24LC512-SM	MICROCHIP	24LC512/SM
SEI-24AA512-SM	MICROCHIP	24AA512/SM
SEI-24LC1025-SM	MICROCHIP	24LC1025/SM
SEI-25LC512-SM	MICROCHIP	25LC512/SM
SEI-25LC1024-SM	MICROCHIP	25LC1024/SM
SEI-25AA1024-SM	MICROCHIP	25AA1024/SM
SEI-AT59C11W-SC27	ATMEL	AT59C11W-SC27 EEPROM SOIC8 5,2mm



EEPROM SOP8 / 24xx



Codice/Code	Marca/Brand	Descrizione/Description
SEI-24C00-SN	MICROCHIP	24C00/SN
SEI-24LC00-SN	MICROCHIP	24LC00/SN
SEI-24AA00-SN	MICROCHIP	24AA00/SN
SEI-M24C01-WMN6	ST	M24C01-WMN6
SEI-24LC01B-SN	MICROCHIP	24LC01B/SN
SEI-24AA01-SN	MICROCHIP	24AA01/SN
SEI-24AA014-SN	MICROCHIP	24AA014/SN
SEI-CAT24FC01J	CSI	CAT24FC01J
SEI-BR24C014N	ROHM	BR24C014N
SEI-M24C02-WMN6	ST	M24C02-WMN6
SEI-24C02C-I-SN	MICROCHIP	24C02C-I/SN
SEI-24LC02B-SN	MICROCHIP	24LC02B/SN
SEI-24LC024-SN	MICROCHIP	24LC024/SN
SEI-24LC025-SN	MICROCHIP	24LC025/SN
SEI-24AA02-SN	MICROCHIP	24AA02/SN
SEI-CAT24FC02J	CSI	CAT24FC02J
SEI-M24C04-WMN6	ST	M24C04-WMN6
SEI-24LC04B-SN	MICROCHIP	24LC04B/SN
SEI-24AA04-SN	MICROCHIP	24AA04/SN
SEI-M24C08-WMN6	ST	M24C08-WMN6
SEI-24LC08B-SN	MICROCHIP	24LC08B/SN
SEI-24AA08-SN	MICROCHIP	24AA08/SN
SEI-M24C16-WMN6	ST	M24C16-WMN6
SEI-AT24C16C-SSHM	ATMEL	AT24C16C-SSHM
SEI-24LC16B-SN	MICROCHIP	24LC16B/SN
SEI-24AA16-SN	MICROCHIP	24AA16/SN
SEI-CAT24FC16J	CSI	CAT24FC16J
SEI-NM24C17UM8	FAIRCHILD	NM24C17UM8
SEI-M24C32-WMN6	ST	M24C32-WMN6
SEI-24LC32A-SN	MICROCHIP	24LC32A/SN
SEI-24AA32A-SN	MICROCHIP	24AA32A/SN
SEI-CAT24FC32W	CSI	CAT24FC32W
SEI-CAT24C44S	CSI	CAT24C44S
SEI-M24C64-WMN6	ST	M24C64-WMN6
SEI-24LC64-SN	MICROCHIP	24LC64/SN
SEI-24AA64-SN	MICROCHIP	24AA64/SN
SEI-CAT24FC64W	CSI	CAT24FC64W
SEI-M24128-WMN6	ST	M24128-WMN6
SEI-24LC128-SN	MICROCHIP	24LC128/SN
SEI-24AA128-SN	MICROCHIP	24AA128/SN
SEI-CAT24C128W	CSI	CAT24C128W
SEI-M24256-WMN6	ST	M24256-WMN6
SEI-24LC256-SN	MICROCHIP	24LC256/SN
SEI-24AA256-SN	MICROCHIP	24AA256/SN
SEI-CAT24FC256W	CSI	CAT24FC256W
SEI-AT24C512	ATMEL	AT24C512
SEI-24512A	ON	24512A
SEI-AT24C1024	ATMEL	AT24C1024

EEPROM SOP8 / 93xx

Codice/Code	Marca/Brand	Descrizione/Description
SEI-M93C06-WMN6	ST	M93C06-WMN6
SEI-NM93C14M8	NATIONAL	NM93C14M8
SEI-M93C46-WMN6	ST	M93C46-WMN6
SEI-AT93C46A-SI27	ATMEL	AT93C46A-SI27
SEI-AT93C46B-SI27	ATMEL	AT93C46B-SI27
SEI-AT93C46C-SI27	ATMEL	AT93C46C-SI27
SEI-AT93C46R-SI	ATMEL	AT93C46R-SI
SEI-93LC46A-SN	MICROCHIP	93LC46A/SN
SEI-93LC46B-SN	MICROCHIP	93LC46B/SN
SEI-93LC46C-SN	MICROCHIP	93LC46C/SN
SEI-93AA46-SN	MICROCHIP	93AA46/SN
SEI-93AA46A-SN	MICROCHIP	93AA46A/SN
SEI-93AA46B-SN	MICROCHIP	93AA46B/SN
SEI-93AA46C-SN	MICROCHIP	93AA46C/SN
SEI-M93S46-WMN6	ST	M93S46-WMN6
SEI-L46	ROHM	L46
SEI-RL46	ROHM	RL46
SEI-M93C56-WMN6	ST	M93C56-WMN6
SEI-AT93C56-SI27	ATMEL	AT93C56-SI27
SEI-AT93C56A-SI27	ATMEL	AT93C56A-SI27
SEI-AT93C56B-SI27	ATMEL	AT93C56B-SI27
SEI-AT93C56C-SI27	ATMEL	AT93C56C-SI27
SEI-93LC56-SN	MICROCHIP	93LC56/SN
SEI-93LC56A-SN	MICROCHIP	93LC56A/SN
SEI-93LC56B-SN	MICROCHIP	93LC56B/SN
SEI-93LC56C-SN	MICROCHIP	93LC56C/SN
SEI-93AA56-SN	MICROCHIP	93AA56/SN
SEI-93AA56A-SN	MICROCHIP	93AA56A/SN
SEI-93AA56B-SN	MICROCHIP	93AA56B/SN
SEI-93AA56C-SN	MICROCHIP	93AA56C/SN
SEI-M93S56-WMN6	ST	M93S56-WMN6
SEI-RL56	ROHM	RL56
SEI-CAT93C57S	CSI	CAT93C57S
SEI-M93C66-WMN6	ST	M93C66-WMN6
SEI-AT93C66A-SI27	ATMEL	AT93C66A-SI27
SEI-AT93C66B-SI27	ATMEL	AT93C66B-SI27
SEI-AT93C66C-SI27	ATMEL	AT93C66C-SI27
SEI-93LC66A-SN	MICROCHIP	93LC66A/SN
SEI-93LC66B-SN	MICROCHIP	93LC66B/SN
SEI-93LC66C-SN	MICROCHIP	93LC66C/SN
SEI-93LC66X-SN	MICROCHIP	93LC66X/SN
SEI-93AA66-SN	MICROCHIP	93AA66/SN
SEI-93AA66A-SN	MICROCHIP	93AA66A/SN
SEI-93AA66B-SN	MICROCHIP	93AA66B/SN
SEI-93AA66C-SN	MICROCHIP	93AA66C/SN
SEI-M93S66-WMN6	ST	M93S66-WMN6
SEI-RL66	ROHM	RL66
SEI-M93C76-WMN6	ST	M93C76-WMN6
SEI-AT93C76A-SI27	ATMEL	AT93C76A-SI27
SEI-AT93C76B-SI27	ATMEL	AT93C76B-SI27



SEI-AT93C76C-SI27	ATMEL	AT93C76C-SI27
SEI-S-93C76ADFJTB	SII	S-93C76ADFJTB
SEI-93LC76-SN	MICROCHIP	93LC76/SN
SEI-93LC76A-SN	MICROCHIP	93LC76A/SN
SEI-93LC76B-SN	MICROCHIP	93LC76B/SN
SEI-93LC76C-SN	MICROCHIP	93LC76C/SN
SEI-93AA76-SN	MICROCHIP	93AA76/SN
SEI-93AA76A-SN	MICROCHIP	93AA76A/SN
SEI-93AA76B-SN	MICROCHIP	93AA76B/SN
SEI-93AA76C-SN	MICROCHIP	93AA76C/SN
SEI-M93C86-WMN6	ST	M93C86-WMN6
SEI-AT93C86A-SI27	ATMEL	AT93C86A-SI27
SEI-AT93C86B-SI27	ATMEL	AT93C86B-SI27
SEI-AT93C86C-SI27	ATMEL	AT93C86C-SI27
SEI-93LC86-SN	MICROCHIP	93LC86/SN
SEI-93LC86A-SN	MICROCHIP	93LC86A/SN
SEI-93LC86B-SN	MICROCHIP	93LC86B/SN
SEI-93LC86C-SN	MICROCHIP	93LC86C/SN
SEI-93AA86-SN	MICROCHIP	93AA86/SN
SEI-93AA86A-SN	MICROCHIP	93AA86A/SN
SEI-93AA86B-SN	MICROCHIP	93AA86B/SN
SEI-93AA86C-SN	MICROCHIP	93AA86C/SN

EEPROM SOP8 / 95xx

Codice/Code	Marca/Brand	Descrizione/Description
SEI-M95020-WMN6	ST	M95020-WMN6
SEI-M95040-WMN6	ST	M95040-WMN6
SEI-M95080-WMN6	ST	M95080-WMN6
SEI-M95160-WMN6	ST	M95160-WMN6
SEI-M95320-WMN6	ST	M95320-WMN6
SEI-M95640-WMN6	ST	M95640-WMN6
SEI-M95128-WMN6	ST	M95128-WMN6
SEI-M95256-WMN3	ST	M95256-WMN3
SEI-M95256-WMN6	ST	M95256-WMN6
SEI-M95M01-RMN6P	ST	M95M01-RMN6P
SEI-ST95P02-M6	ST	ST95P02-M6
SEI-ST95P04-M6	ST	ST95P04-M6
SEI-ST95P08-M6	ST	ST95P08-M6

EEPROM SOP8 / 25xx

Codice/Code	Marca/Brand	Descrizione/Description
SEI-25LC010A-SN	MICROCHIP	25LC010A/SN
SEI-25AA010-SN	MICROCHIP	25AA010/SN
SEI-AT25020N-SI27	ATMEL	AT25020N-SI27
SEI-25AA020-SN	MICROCHIP	25AA020/SN
SEI-AT25040N-SI27	ATMEL	AT25040N-SI27
SEI-25LC040A-SN	MICROCHIP	25LC040A/SN
SEI-25AA040-SN	MICROCHIP	25AA040/SN
SEI-AT25080N-SI27	ATMEL	AT25080N-SI27
SEI-25LC080-SN	MICROCHIP	25LC080/SN
SEI-25AA080-SN	MICROCHIP	25AA080/SN
SEI-AT25160AN-SI27	ATMEL	AT25160AN-SI27
SEI-25LC160A-SN	MICROCHIP	25LC160A/SN



SEI-25AA160A-SN	MICROCHIP	25AA160A/SN
SEI-AT25320AN-SI27	ATMEL	AT25320AN-SI27
SEI-25LC320-SN	MICROCHIP	25LC320/SN
SEI-25AA320/SN	MICROCHIP	25AA320/SN
SEI-AT25128AN-SI27	ATMEL	AT25128AN-SI27
SEI-25LC128-SN	MICROCHIP	25LC128/SN
SEI-25AA128A-SN	MICROCHIP	25AA128A/SN
SEI-AT25256N-SI27	ATMEL	AT25256N-SI27
SEI-25LC256-SN	MICROCHIP	25LC256/SN
SEI-25AA256-SN	MICROCHIP	25AA256/SN
SEI-Pm25LV512SC	PMC	Pm25LV512SC
SEI-AT25640N-SI27	ATMEL	AT25640N-SI27
SEI-25LC640-SN	MICROCHIP	25LC640/SN
SEI-25AA640-SN	MICROCHIP	25AA640/SN

EEPROM SOP8 / 35xx

Codice/Code	Marca/Brand	Descrizione/Description
SEI35080D0WQ	ST	M35080D0WQ



EEPROM SOP8 / 11xx

Codice/Code	Marca/Brand	Descrizione/Description
SEI-11LC010-SN	MICROCHIP	11LC010/SN
SEI-11AA010-SN	MICROCHIP	11AA010/SN
SEI-11LC020-SN	MICROCHIP	11LC020/SN
SEI-11AA020-SN	MICROCHIP	11AA020/SN
SEI-11AA02E48-SN	MICROCHIP	11AA02E48/SN
SEI-11LC040-SN	MICROCHIP	11LC040/SN
SEI-11AA040-SN	MICROCHIP	11AA040/SN
SEI-11LC080-SN	MICROCHIP	11LC080/SN
SEI-11AA080-SN	MICROCHIP	11AA080/SN
SEI-11LC160-SN	MICROCHIP	11LC160/SN
SEI-11AA160-SN	MICROCHIP	11AA160/SN



EEPROM SOP8 / VARI - **VARIOUS**

Codice/Code	Marca/Brand	Descrizione/Description
SEI-PCA8581CT	PHILIPS	PCA8581CT
SEI-PCF8582C-2	PHILIPS	PCF8582C-2



EEPROM TSSOP8

Codice/Code	Marca/Brand	Descrizione/Description
SEI-M24C01-WDW6TP	ST	EEPROM M24C01-WDW6TP
SEI-M24C02-WDW6TP	ST	EEPROM M24C02-WDW6TP
SEI-M24C04-WDW6TP	ST	EEPROM M24C04-WDW6TP
SEI-M24C08-WDW6TP	ST	EEPROM M24C08-WDW6TP
SEI-M24C16-WDW6TP	ST	EEPROM M24C16-WDW6TP
SEI-24AA16-ST	MICROCHIP	EEPROM 24AA16/ST
SEI-M24C32-WDW6TP	ST	EEPROM M24C32-WDW6TP
SEI-M24C64-WDW6TP	ST	EEPROM M24C64-WDW6TP
SEI-M93C46-WDW6TP	ST	EEPROM M93C46-WDW6TP
SEI-M93C56-WDW6TP	ST	EEPROM M93C56-WDW6TP
SEI-M93C66-WDW6TP	ST	EEPROM M93C66-WDW6TP
SEI-M93C76-WDW6TP	ST	EEPROM M93C76-WDW6TP
SEI-M93C86-WDW6TP	ST	EEPROM M93C86-WDW6TP





SEI-M95020-WDW6TP	ST	EEPROM M95020-WDW6TP
SEI-M95040-WDW6TP	ST	EEPROM M95040-WDW6TP
SEI-M95080-WDW6TP	ST	EEPROM M95080-WDW6TP
SEI-M95160-WDW6TP	ST	EEPROM M95160-WDW6TP
SEI-M95320-WDW6TP	ST	EEPROM M95320-WDW6TP
SEI-M95640-WDW6TP	ST	EEPROM M95640-WDW6TP
SEI-M95128-RDW6TP 	ST	EEPROM M95128-RDW6TP
SEI-M95128-WDW6TP	ST	EEPROM M95128-WDW6TP

EEPROM MSOP8



Codice/Code	Marca/Brand	Descrizione/Description
SEI-24LC014-MS	MICROCHIP	EEPROM 24LC014/MS

EEPROM SOT-23-5



Codice/Code	Marca/Brand	Descrizione/Description
SEI-24AA16-OT	MICROCHIP	EEPROM 24AA16/OT

EEPROM SOT-23-6



Codice/Code	Marca/Brand	Descrizione/Description
SEI-93LC86A-OT	MICROCHIP	EEPROM 93LC86A/OT

EEPROM DFN8



Codice/Code	Marca/Brand	Descrizione/Description
SEI-93LC86C-MC	MICROCHIP	EEPROM 93LC86C/MC

EEPROM MEMORY KIT

Codice/Code	Descrizione/Description
SEI-KIT24	KIT EEPROM 2 pcs 24C02 + 2 pcs 24C04 + 2 pcs 24C08 + 2 pcs 24C16 + 2 pcs 24C32 (10 pcs total)
SEI-KIT93	KIT EEPROM 2 pcs 93C46 + 2 pcs 93S46 + 2 pcs 93C56 + 2 pcs 93S56 + 2 pcs 93C66 + 2 pcs 93S66 + 2 pcs 93C86 (14 pcs total)
SEI-KIT95	KIT EEPROM 2 pcs 95020 + 2 pcs 95040 + 2 pcs 95080 + 2 pcs 95160 + 2 pcs 95320 + 2 pcs 95640 + 2 pcs 95128 + 2 pcs 95256 (16 pcs total)

EPROM MEMORY + FLASH MEMORY

Codice/Code	Marca/Brand	Descrizione/Description	Package
SEI-AT27C010-45JC	ATMEL	EPROM AT27C010-45JC	PLCC32
SEI-AT27C020-70JC	ATMEL	EPROM AT27C020-70JC	PLCC32
SEI-AT27C040-70JC	ATMEL	EPROM AT27C040-70JC	PLCC32
SEI-M27C64A-15F1	ST	EPROM M27C64A-15F1	DIL28
SEI-M27C128-10F1	ST	EPROM M27C128-10F1	DIL28
SEI-M27C256B-10F1	ST	EPROM M27C256B-10F1	DIL28
SEI-M27C512-10F1	ST	EPROM M27C512-10F1	DIL28
SEI-AT27C512R-70JC	ATMEL	EPROM AT27C512R-70JC	PLCC32
SEI-M27C1001-10C1	ST	EPROM M27C1001-10C1	PLCC32
SEI-M27C1001-10F1	ST	EPROM M27C1001-10F1	DIL32
SEI-M27C1024-10C1	ST	EPROM M27C1024-10C1	PLCC44
SEI-HN27C4096HCC-85	HITACHI	EPROM HN27C4096HCC-85	PLCC44
SEI-CAT28F102N-10	CSI	FLASH MEMORY CAT28F102N-10	PLCC44
SEI-PA28F200BVT80	INTEL	FLASH MEMORY PA28F200BVT80	SOP44

SEI-AM28F010-150JC	AMD	FLASH MEMORY AM28F010-150JC	PLCC32
SEI-AM28F512-120JC	AMD	FLASH MEMORY AM28F512-120JC	PLCC32
SEI-AM29F010-90JC	AMD	FLASH MEMORY AM29F010-90JC	PLCC32
SEI-AM29F010B-70JF 	AMD	FLASH MEMORY AM29F010B-70JF	PLCC32
SEI-AM29F040B-90JC	AMD	FLASH MEMORY AM29F040B-90JC	PLCC32
SEI-AM29F100B-90SC	AMD	FLASH MEMORY AM29F100B-90SC	SOP44
SEI-AM29F200BB-70SE	AMD	FLASH MEMORY AM29F200BB-70SE	SOP44
SEI-AM29F200BB-90SI	AMD	FLASH MEMORY AM29F200BB-90SI	SOP44
SEI-MBM29F200BC-90PF	FUJITSU	FLASH MEMORY MBM29F200BC-90PF	SOP44
SEI-MBM29F200TC-70PFTN	FUJITSU	FLASH MEMORY MBM29F200TC-70PFTN	TSOP48
SEI-AM29F400BB-55SI	AMD	FLASH MEMORY AM29F400BB-55SI	SOP44
SEI-AM29F800B	AMD	FLASH MEMORY AM29F800B	SOP44
SEI-MBM29F400TC-70PFTN	FUJITSU	FLASH MEMORY MBM29F400TC-70PFTN	TSOP48
SEI-AM29BL802CB-65RZE	AMD	FLASH MEMORY AM29BL802CB-65RZE	TSOP56

LED AD ALTA LUMINOSITA' / HIGH BRIGHTNESS LEDS

Codice/Code	Descrizione/Description
SEI-LED-B5MHL	Led alta luminosità 5 mm luce blu (<i>conf. da 100 pezzi</i>) High brightness led 5 mm blue light (<i>100 pcs package</i>)
SEI-LED-G5MHL	Led alta luminosità 5 mm luce verde (<i>conf. da 100 pezzi</i>) High brightness led 5 mm green light (<i>100 pcs package</i>)
SEI-LED-R5MHL	Led alta luminosità 5 mm luce rossa (<i>conf. da 100 pezzi</i>) High brightness led 5 mm red light (<i>100 pcs package</i>)
SEI-LED-W5MHL	Led alta luminosità 5 mm luce bianca (<i>conf. da 100 pezzi</i>) High brightness led 5 mm white light (<i>100 pcs package</i>)

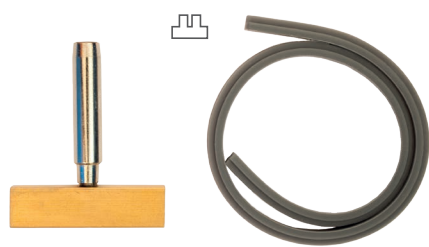
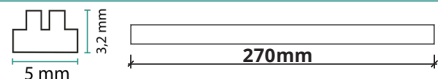


Componenti elettronici
Electronic components

COMPONENTI VARI / VARIOUS COMPONENTS

Codice/Code	Descrizione/Description
SEI-CO10-35V	CAPACITOR 10mF 35V (10 pcs package)
SEI-CO100-10V	CAPACITOR SMD 100mF 10V (10 pcs package)
SEI-CO226V	TANTALIUM CAPACITOR 22mF 35V SMD (10 pcs package)
SEI-2843B	IC ST 2843B (10 pcs package)
SEI-FU6A1206	FUSE SMD 6A 1206
SEI-R1R0-1206	RESISTOR 1R 1% 1206 (25 pcs package)
SEI-R300R	RESISTOR 300R (25 pcs package)
SEI-IND101K	INDUCTOR 101K (10 pcs package)
SEI-IND220K	INDUCTOR 220K (10 pcs package)
SEI-IND221K	INDUCTOR 221K (10 pcs package)
SEI-IND330K	INDUCTOR 330K (10 pcs package)
SEI-SOCKET28DIL	SOCKET DIL28 with tulip contacts
SEI-SOCKET32PLCC-SMD	SOCKET PLCC 32 PIN SMD
SEI-SOCKET44PLCC-SMD	SOCKET PLCC 44 PIN SMD

ATTREZZATURA PER LA SALDATURA / SOLDERING TOOLS

Codice/Code	Descrizione/Description
SEP-KITM01	Kit per montaggio flat e display contenente: 1 bottiglietta dosatrice di sicurezza per solventi, 1 pennello, 1 pinzetta SEI-MT-11, 1 rocchetto di stagno 0,3mm 60gr, 1 punta a "T" per saldatore, 1 punta piatta per saldatore e 1 ricambio gomma per punta a "T" (questi ultimi 3 articoli sono adattabili su un saldatore Lukey). Flat and display assembling kit: 1 safety dosing bottle for solvents, 1 brush, 1 SEI-MT-11 clip, 1 Tin Roll 0,3mm 60gr, 1 "T" tip, 1 flat tip for soldering iron and 1 replacement rubber for "T" tip (these three articles are adaptable to Lukey soldering irons). 
SEP-KITM02A	Saldatore Lukey 937 + KIT SEP-KITM01 Lukey soldering station 937 + KIT SEP-KITM01
SEPP-T	Punta a "T" per la saldatura dei flat, completa di gomma di ricambio, adattabile saldatori Lukey. "T" tip to sold flats, with replacement rubber, adaptable to Lukey soldering irons. 
SEIP-GO	Gomma di ricambio per punta a "T" Replacement rubber for "T" tip 
SEI-TEF1	Rotolo di Teflon 8m x 8mm Teflon roll 8m x 8mm length
SEIJL-40	Bottiglietta dosatrice di sicurezza per solventi. Safety dosing bottle for solvents 
SEI-SPU1	Spugnetta per saldatori Lukey - conf. da 5 pezzi Sponge for Lukey stations - 5 pcs package
SEI-STI1	Stilo saldante adattabile a saldatori Lukey Soldering iron adaptable to Lukey station
SEI-STI2	Stilo dissaldante ad aria calda adattabile a saldatori Lukey 852D+ Hot air desoldering iron adaptable to LUKEY 852D+
SEI-COP01	Filo di rame 0,1 mm x 15 m Copper wire 0,1 mm x 15 m 
SEI-COP02	Rocchetto di cavo 8 fili x 25 m, 30AWG Coil of cable 8 wires x 25 m, 30AWG 

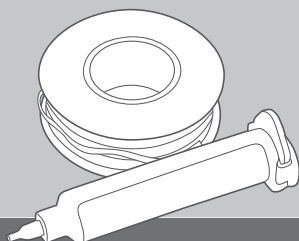
PUNTE PER SALDATORE / SOLDER TIPS

Codice/Code	Descrizione/Description	
SEPP-SC		Punta a scorrimento (adattabile a saldatori Lukey/Weller) Scroll tip adaptable to (Lukey/Weller soldering stations)
SEIP-T-B		Punta fine ad ago adattabile a saldatori Lukey Adaptable thin tip to Lukey soldering station
SEIP-T-1-2D		Punta fine 17x1.2mm adattabile a saldatori Lukey 17x1.2mm adaptable thin tip to Lukey soldering station
SEIP-T-1-6D		Punta a scalpello 17x1.6mm adattabile a saldatori Lukey 17x1.6mm adaptable chisel tip to Lukey soldering station
SEIP-T-2-4D		Punta a scalpello 17x2.4mm adattabile saldatori Lukey 17x2.4mm adaptable chisel tip to Lukey soldering station
SEIP-T-3-2D		Punta a scalpello 17x3.2mm adattabile saldatori Lukey 17x3.2mm adaptable chisel tip to Lukey soldering station
SEIP-T-3C		Punta a 45° 17x3mm adattabile saldatori Lukey 17x3mm 45° adaptable tip to Lukey soldering station
SEIP-T-K		Punta a scalpello obliqua (45°) adattabile saldatori Lukey 45° adaptable chisel tip to Lukey soldering station

Flexible shrink sleeve in modified crosslinked polyethylene



Codice/Code	Diametro/ Diameter Ø	Colore/ Colour
SEI-GU1BL	1mm	nero/black
SEI-GU2BL	2mm	nero/black
SEI-GU3BL	3mm	nero/black
SEI-GU5BL	5mm	nero/black
SEI-GU7BL	7mm	nero/black
SEI-GU10BL	10mm	nero/black
SEI-GU13BL	13mm	nero/black
SEI-GU20BL	20mm	nero/black
SEI-GU30BL	30mm	nero/black
SEI-GU40BL	40mm	nero/black
SEI-GU50BL	50mm	nero/black



Attrezzature Equipments



SEISTA03



SEISTA05E

Solder wires

CODICE/CODE **DESCRIZIONE/DESCRIPTION**

SEISTA03	Filo/Wire 0,3mm - 60g - Sn63 Pb37 - 1,2%
SEISTA05E	Filo/Wire 0,5mm - 250g - Sn60 Pb40 - Flux - 2%

Flux gel

CODICE/CODE **DESCRIZIONE/DESCRIPTION**

SEIFLUX-RMA223AS-TF	Gel flussante RMA-223-AS-TF Amtech 10ml Flux gel RMA-223-AS-TF Amtech 10Z 10ml
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Non disponibili in paesi extra UE. Not available in not EU countries.



SEIFLUX-RMA223AS-TF



SEI-TRE2-8A

Desoldering braids

CODICE/CODE **DESCRIZIONE/DESCRIPTION**

SEI-TRE2-8A	Treccia dissaldante Chemtronics 2,8mm-1,5m / Desoldering braid Chemtronics 2,8mm-1,5m
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Modular boxes for devices

CODICE/CODE **DESCRIZIONE/DESCRIPTION**

SEI-BOX-Fi18-1	Plastic box ABS 33x22x21 mm - 5 gr
SEI-BOX-Fi18-2	Plastic box ABS 64x31x21 mm - 13 gr
SEI-BOX-Fi18-3	Plastic box ABS 64x64x21 mm - 22 gr
SEI-BOX-Fi18-4	Plastic box ABS 107x64x21 mm - 35 gr



SEI-BOX-Fi18-1

SEI-BOX-Fi18-2

SEI-BOX-Fi18-3

SEI-BOX-Fi18-4



**Codice Cliente**

Ordine



Richiesta preventivo

SAVIX Srl

C.da Popoleto, 14/B - 70011, Alberobello (Ba) - Italy

Tel. +39 080 2221223 / +39 080 4324023

Fax +39 080 2221224 / +39 080 4327154

www.mini.tools - info@mini.tools

VAT IT 05948750723

Inviare via fax:

+39 080 222 1 224**+39 080 432 7 154**

Per e-mail:

info@mini.tools

Ragione sociale: _____

Via: _____

CAP : _____ Città: _____ Prov: _____

Telefono: _____ Fax: _____

Email: _____

Partita IVA: _____ Codice Fiscale: _____

Diversa destinazione: _____

(L'informativa sul trattamento dei dati personali è consultabile sul catalogo o sul sito www.mini.tools)

Codice	Descrizione	Quantità

CONDIZIONI

Con la compilazione del presente Ordine il cliente dichiara di aver letto, preso piena visione e accettato le **Condizioni Generali di Vendita e l'informativa sulla privacy**, presenti sul catalogo e sul sito www.mini.tools. Tutti gli Ordini e i pagamenti sono soggetti ad accettazione da parte di Savix.

SCONTI

5% per ordini superiori a € **500,00** (IVA escl.)
10% per ordini superiori a € **1.000,00** (IVA escl.)

MODALITA' DI PAGAMENTO**Italia**

- ☐ Bonifico anticipato
- ☐ Contrassegno (costo € 3,00 IVA escl.)
- ☐ Paypal

COSTO DELLA SPEDIZIONE IN ITALIA

Ordini superiori a € 80,00 (IVA esclusa) => Nessun costo
Ordini inferiori a € 80,00 (IVA esclusa) => € 3,90 (IVA esclusa)

Data _____

Firma _____

CONDIZIONI GENERALI DI VENDITA E INFORMAZIONI SULLA PRIVACY

Le presenti Condizioni generali di vendita si applicano a tutti i Prodotti indicati nel presente catalogo, con l'eccezione di quegli articoli per i quali si rendano applicabili condizioni di vendita particolari che verranno riportate negli spazi dedicati ai Prodotti stessi o comunicati direttamente all'acquirente nelle modalità di seguito indicate.

Al fine di una corretta interpretazione delle presenti Condizioni generali di vendita si osservino le seguenti definizioni:

"SAVIX", si intende **SAVIX srl**, impresa che si occupa della produzione e della vendita di attrezzature e ricambi di mezzi di locomozione; **"Utente"** o **"Cliente"**, a seconda dei casi può essere un Consumatore o un Professionista che effettui uno o più Ordini; **"Consumatore"**, qualsiasi persona fisica che effettui un Ordine per scopi estranei all'attività imprenditoriale, commerciale, artigianale o professionale svolta; **"Professionista"**, qualsiasi persona fisica o giuridica che effettui un Ordine nell'esercizio della propria attività imprenditoriale, commerciale, artigianale o professionale; **"Condizioni d'uso"** o **"Condizioni generali di vendita"**, regole che il Cliente si impegna ad accettare e rispettare per l'acquisto dei Prodotti offerti nel presente catalogo; **"Prodotto"**, articolo o bene che **SAVIX srl** mette a disposizione dell'Utente e che quindi forma oggetto dell'Ordine di Acquisto; **"Ordine di Acquisto"** o **"Ordine"**, significa l'Ordine per l'acquisto di Prodotti emesso dal Cliente attraverso la compilazione e spedizione del relativo modulo d'Ordine disponibile sul catalogo; **"Codice del Consumo"**, il D. Lgs. 6 settembre 2005, n. 206 e successive modifiche; **"Sito"**, il sito internet www.store.savix.com.

1. Oggetto

Con le presenti Condizioni generali di vendita, SAVIX vende ed il Cliente acquista i Prodotti presenti sul catalogo.

Con l'inizio dell'Ordine da parte del Cliente e con la relativa accettazione, SAVIX assume l'obbligo di concludere, in nome proprio e per conto del Cliente, un contratto di compravendita del Prodotto.

Il Cliente, sia che agisca per proprio conto sia che agisca per conto altrui, accetta che il presente contratto regoli incondizionatamente tutti i rapporti contrattuali con SAVIX, comprese le condizioni relative a ritiro, consegna, transazioni, gestione elettronica dei dati e logistica.

SAVIX avrà facoltà di accettare o meno gli Ordini ricevuti senza che, in caso di mancata accettazione, il Cliente possa avanzare diritti o pretese nei confronti di SAVIX ad alcun titolo. L'Ordine si intenderà accettato e conseguentemente concluso al momento in cui il Cliente riceverà l'Accettazione d'Ordine sul recapiti indicati nel modulo d'Ordine, ed in ogni caso, qualora non altrimenti comunicato, alla ricezione del Prodotto.

2. Ordine

Il Cliente effettuerà ed inoltrerà gli Ordini utilizzando la modulistica allegata al presente catalogo e le modalità di trasmissione ivi indicate.

Tutti gli Ordini e i pagamenti sono subordinati ad accettazione, insindacabile, da parte di SAVIX. L'Ordine, una volta pervenuto a SAVIX, si deve considerare definitivo e non potranno essere effettuate nuove integrazioni se non per il tramite di un nuovo Ordine.

3. Prezzi

Tutti i prezzi riportati sul listino prezzi dedicato ai professionisti del settore sono espressi in Euro e si intendono IVA esclusa. Eventuali tasse, dadi ed imposte previste nel Paese di destinazione dei Prodotti, ove questo sia diverso dall'Italia, saranno a carico del Cliente.

I prezzi indicati nel listino prezzi non sono impegnativi per SAVIX e potranno essere variati senza alcuna comunicazione.

In caso di errata indicazione da parte del Cliente di un prezzo sul modulo d'Ordine, si riterrà valido il prezzo indicato sul sito internet www.store.savix.com. In caso di annullamento dell'Ordine, sia da parte del Cliente che in caso di mancata accettazione dello stesso da parte di SAVIX, verrà richiesto l'annullamento della transazione e lo svincolo dell'importo impegnato. I tempi di svincolo, per alcune tipologie di carte, dipendono esclusivamente dal sistema bancario e possono arrivare fino alla loro naturale scadenza (24° giorno dalla data di autorizzazione). Una volta effettuato l'annullamento della transazione, in nessun caso SAVIX può essere ritenuta responsabile per eventuali danni, diretti o indiretti, provocati dal ritardo nel mancato svincolo dell'importo impegnato. Il Cliente riceverà l'Accettazione d'Ordine sul suo conto di credito. Il Cliente in relazione a ciascun Ordine di Acquisto dovrà essere debitamente informato che l'offerta fornita da SAVIX è multicanale; a seconda del canale che il Cliente sceglie di utilizzare, come ad esempio web, cataloghi, o telefono, i prezzi dei Prodotti possono variare e sono sempre soggetti a modifiche. SAVIX, a suo insindacabile giudizio, potrà modificare i prezzi riportati sul listino prezzi in qualsiasi momento e senza preavviso.

In ogni caso i prezzi riportati sul sito www.store.savix.com prevalgono sui prezzi indicati sugli altri canali.

4. Pagamenti

Le modalità di pagamento accettate da SAVIX sono:

1. Contassegno: con il pagamento a mezzo contassegno il Cliente pagherà al ricevimento del Prodotto. Il pagamento in contassegno dovrà essere effettuato dal Cliente in contanti o attraverso assegno intestato a SAVIX, previa autorizzazione della stessa. Il pagamento in Contassegno prevede una maggiorazione di € 3 (IVA esclusa).
2. PayPal/Carta di credito: l'importo dovuto dal Cliente in relazione a ciascun Ordine di Acquisto dovrà essere addebitato sul conto PayPal intestato a SAVIX attraverso un link che SAVIX stessa fornirà al Cliente in fase di accettazione dell'Ordine. Per ogni transazione eseguita con il conto PayPal, il Cliente riceverà e-mail di conferma da parte di PayPal. SAVIX si riserva la facoltà di non accettare Ordini di Acquisto ovvero di sospendere l'esecuzione del pagamento solo in caso di PayPal segnalazioni anomale o irregolari nel pagamento. In tale ipotesi SAVIX si riserva la facoltà di richiedere al Cliente informazioni integrative e/o l'invio di copie di documenti comprovanti la titolarità della carta di credito utilizzata per l'acquisto. In mancanza della documentazione richiesta, SAVIX si riserva la facoltà di non accettare l'Ordine di Acquisto ovvero di risolvere l'eventuale contratto senza escluso, senza che ciò dia alcun diritto al Cliente di richiedere il risarcimento di danni o di far valere altre pretese.

3. Bonifico bancario anticipato: le coordinate bancarie del conto intestato a SAVIX verranno comunicate al Cliente in fase di accettazione dell'Ordine.

L'invio di quanto dovuto avverrà solo all'atto dell'effettiva accredito della somma dovuta sul c/c di SAVIX che dovrà avvenire entro 7 giorni lavorativi dalla data di accettazione dell'Ordine. Oltrepassate tali scadenze, l'Ordine verrà ritenuto automaticamente annullato. La causale del bonifico bancario dovrà riportare: Il numero di riferimento dell'Ordine, la data di effettuazione dell'Ordine, nome e cognome dell'istitutor del Cliente.

Ad eccezione del pagamento in "Contassegno", tutti gli Ordini ricevuti sono evasi dopo il ricevimento del pagamento. SAVIX, a suo insindacabile giudizio, potrà negare al Cliente qualsiasi modalità di pagamento. Sono salve diverse modalità di pagamento espressamente concordate con il Cliente.

5. Modalità di esecuzione del Contratto di compravendita

Il Cliente, indiricherà sul modulo d'Ordine il Prodotto prescelto fra quelli riportati in catalogo, impegnandosi a corrispondere l'importo indicato attraverso uno dei metodi di pagamento sopradescritti.

SAVIX, a mezzo di proprio corriere, consegnerà il Prodotto acquistato al Cliente, il quale procederà autonomamente ad installarlo. SAVIX non è responsabile dell'errata installazione dei Prodotti acquistati.

6. Tempi di consegna del Prodotto e controllo

I tempi di consegna indicati in catalogo sono assolutamente indicativi e non strettamente vincolanti per SAVIX. Sono sempre possibili ritardi non prevedibili legati ad esigenze produttive o a problemi nella spedizione, comunque non imputabili a SAVIX che non può garantire tassativamente il rispetto dei tempi di consegna. In ogni caso, SAVIX non è responsabile per eventuali ritardi dovuti al corriere. Non si eseguono spedizioni nei giorni di sabato, domenica e festivi.

Il Cliente e/o l'incaricato dello stesso al ritiro del Prodotto è tenuto a controllare ed a verificare con estrema attenzione, al momento della consegna ed alla presenza del trasportatore, l'integrità dei colli consegnati ed il relativo numero, segnalando eventuali discrepanze nel numero e/o integrità dei colli per iscritto nell'apposito spazio riservato nel documento di trasporto che debitamente sottoscritto, rimarrà allo stesso. SAVIX si riserva di rifiutare o non dare esecuzione ad Ordini che prevedano la consegna dei relativi Prodotti al di fuori del territorio italiano o al di fuori della Nazione di residenza del Cliente stesso.

7. Mancato ritiro del Prodotto

Se non diversamente indicato dal Cliente, SAVIX spedisce il Prodotto acquistato all'indirizzo fornito dal Cliente sull'Ordine di Acquisto.

Nel caso in cui il Prodotto venga restituito a SAVIX poiché non è stato possibile effettuare la consegna all'indirizzo indicato dal Cliente, SAVIX tenterà di contattare il Cliente al fine di richiedere un indirizzo di consegna alternativo, si precisa che le eventuali ulteriori spese di spedizione saranno a carico del Cliente.

Trascorsi -senza esito- 7 (sette) giorni dal primo tentativo di consegna, SAVIX, a suo insindacabile giudizio, deciderà se agire per il pagamento del credito o se ritenere il Prodotto in proprietà, a titolo di risarcimento del danno subito.

SAVIX si riserva di applicare i propri diritti legali e qualsiasi altro diritto legittimo relativamente agli importi non pagati dal Cliente. In caso di giacenza, SAVIX applicherà un costo di giacenza pari a € 0,35 (trentacinque centesimi) per ogni giorno.

8. Passaggio del rischio

SAVIX non sarà responsabile della ritardata o mancata consegna dovuta a cause di forza maggiore quali, per esempio, scioperi, provvedimenti della pubblica autorità, incendi, alluvioni, danneggiamento dei macchinari non imputabili a SAVIX. In ogni caso SAVIX provvederà a comunicare tempestivamente al Cliente il verificarsi e il venir meno delle cause di forza maggiore. Nel caso in cui la causa di forza maggiore persista per un periodo eccedente i 30 (trenta) giorni, ciascuna delle parti avrà facoltà di recedere dal contratto. In caso di recesso, ai sensi della presente condizione, il Cliente potrà pretendere rimborsati tutti i pagamenti che ha effettuato restando il diritto alla restituzione di quanto eventualmente già pagato a titolo di prezzo per i Prodotti oggetto dell'Ordine, entro 30 (trenta) giorni dall'Ordine medesimo.

In caso di acquisto effettuato da soggetto diverso da un Cliente Consumatore, il rischio di perimento fortuito del Prodotto passa al Cliente Consumatore, qualsiasi danno all'imballaggio/confezione dei Prodotti deve essere dal Cliente immediatamente contestata mediante l'apposizione di una riserva di controllo scritta sulla prova di avvenuta consegna. Resta inteso che, una volta firmato il documento di consegna senza alcuna contestazione, al Cliente sarà preclusa qualsiasi eccezione riguardo alle caratteristiche esteriori di quanto consegnato.

Nel caso in cui il vettore sia stato scelto dal Cliente, il rischio del danneggiamento e del perimento dei Prodotti si trasferisce al Cliente già nel momento di consegna al vettore stesso, precludendo qualsiasi contestazione riguardo alle caratteristiche esteriori di quanto consegnato. In questo caso, ogni contestazione dovrà essere mossa direttamente dal Cliente nei confronti del vettore.

9. Diritto di recesso

Il Cliente Consumatore e non Professionista, dispone di un periodo di 14 giorni per recedere dal contratto. Il periodo di recesso decorre dal giorno in cui il Cliente o un terzo, diverso dal vettore e designato dal Cliente, acquisisce il possesso fisico del Prodotto.

Il diritto di recesso si intende esercitato quando il Cliente Consumatore informa SAVIX della sua decisione di recedere dal contratto e di restituire il Prodotto, con la comunicazione esplicita da inviare all'indirizzo SAVIX srl, C.da Popoleto, 14/B - 70011 - Alberobello (BA) a mezzo lettera raccomandata a/r o altro idoneo mezzo di trasmissione che assicuri la prova e la data di ricevimento della comunicazione. La comunicazione deve avvenire prima della scadenza del periodo di recesso e attraverso qualsiasi dichiarazione esplicita.

In caso di recesso, il Cliente Consumatore non potrà pretendere rimborsati tutti i pagamenti che ha effettuato a favore di SAVIX, compresi i costi di consegna (ad eccezione dei costi supplementari derivanti dalla scelta del Cliente di un tipo di consegna diverso dal tipo meno costoso di consegna standard offerto da SAVIX). Il rimborso è effettuato senza ritardo e non oltre 14 giorni dal giorno in cui SAVIX ha ricevuto i Prodotti oggetto di recesso. E fatto salvo la facoltà di SAVIX di trattenere il rimborso se non abbia ricevuto i Prodotti ovvero finché il Cliente Consumatore non abbia dimostrato di aver rispedito i Prodotti, a seconda di quale situazione si verifichi per prima.

I rimborsi sono effettuati utilizzando lo stesso mezzo di pagamento usato dal Cliente Consumatore per la transazione iniziale, salvo che sia stato convenuto altrimenti.

In caso di recesso, il Cliente dovrà rispedire i Prodotti presso l'indirizzo indicato da SAVIX, senza indebiti ritardi e comunque entro 14 giorni dal giorno in cui ha comunicato il recesso dal contratto. Il termine si intende rispettato solo se il Cliente Consumatore rispedisce i Prodotti prima della scadenza del periodo di 14 giorni.

Si precisa che i costi diretti della restituzione dei beni sono a carico del Cliente Consumatore.

Il Cliente Consumatore è responsabile della diminuzione del valore dei Prodotti risultante da una manipolazione del Prodotto diversa da quella necessaria per accertare la natura, le caratteristiche e il funzionamento dei Prodotti.

Si precisa che il diritto di recesso è escluso e, pertanto, i paragrafi che precedono non trovano applicazione con riguardo a contratti conclusi con Clienti Professionisti e aziende.

Il diritto di recesso è altresì escluso:

- per tutti gli acquisti a cui si consegna sia perfezione all'interno di un punto vendita;

- per i Prodotti audiovisivi o software informatici, schede audio, midi controller dove all'interno della confezione sono inclusi software con chiave di licenza, che sono stati aperti o attivati dal Consumatore;

- per tutti i casi previsti dall'art. 59 Codice del Consumo.

10. Garanzia

SAVIX si impegna a consegnare al Cliente Prodotti conformi al contratto di vendita.

Vengono concesse al Cliente tutte le garanzie obbligatorie previste a norma di legge, SAVIX non concede, tuttavia, ulteriori garanzie aggiuntive.

Pertanto, i Prodotti indicati nel presente catalogo godono della garanzia legale di conformità ai sensi del Codice del Consumo e del Codice Civile come applicabili, salvo modifiche normative e il Cliente Consumatore beneficerà della garanzia legale di conformità prevista dagli art. 128 e ss. del Codice del Consumo che si prescrive decorsi due anni dalla consegna del Prodotto.

La garanzia deve essere fatta valere, per il Cliente Professionista, entro otto giorni dalla scoperta del vizio, mentre il Cliente Consumatore dovrà farla valere entro due mesi dalla scoperta del vizio.

SAVIX non è responsabile del difetto di conformità che deriva dall'imperfetta installazione del Prodotto, non essendo stata effettuata la consegna del Prodotto con la garanzia di conformità sotto la sua responsabilità. SAVIX non è responsabile della scorretta installazione effettuata dal Cliente, in quanto i Prodotti oggetto di vendita non sono concepiti per essere installati dal Consumatore.

Non vi è difetto di conformità se, al momento della conclusione del contratto, il Cliente era a conoscenza del difetto e non poteva ignorarlo con l'ordinaria diligenza, o se il difetto di conformità deriva da istruzioni o materiali forniti dal Cliente.

A mero titolo esemplificativo e non esaustivo, si precisa che la garanzia non è riconosciuta, fra le altre, anche per le seguenti cause: - Manomissione del Prodotto; - Errata installazione del Prodotto; - Apertura non autorizzata del Prodotto; - Malfunzionamento dovuto a cause esterne al Prodotto; - Mancata manutenzione imputabile al Cliente; - Scadenza della Garanzia.

Il Cliente che intenda avvalersi della garanzia dovrà inoltrare a SAVIX una richiesta presso il seguente indirizzo: mma@mini.tos. Condizione necessaria per l'attivazione della garanzia è che alla richiesta sia indicato il numero di fattura ed eventuali codici di garanzia presenti sui Prodotti.

Ricevuta la richiesta di garanzia, qualora sussistano i presupposti, SAVIX provvederà ad eseguire una diagnosi. Qualora la diagnosi confermi l'applicazione della garanzia, e non sussistano cause di esclusione della stessa, SAVIX provvederà alla riparazione e/o alla sostituzione del Prodotto.

Qualora la diagnosi confermi che il mal funzionamento è dovuto ad una negligenza o al mancato rispetto delle procedure di installazione, la richiesta di garanzia sarà respinta e saranno addebitate al Cliente le relative spese di spedizione. In tal caso, il Cliente potrà comunicare a SAVIX di procedere ugualmente alla sostituzione del Prodotto, previo pagamento dell'importo indicato da SAVIX.

11. Obblighi del Cliente

I Prodotti indicati e acquistati per il tramite del presente catalogo possono essere utilizzati esclusivamente per l'utilizzo personale del Cliente. Il Cliente non può rivendere o tentare di rivendere i Prodotti, senza il preventivo consenso scritto di SAVIX.

Il Cliente non deve copiare, modificare, trasmettere e distribuire esternamente, mostrare in pubblico, scaricare, stampare o pubblicare qualsiasi parte del presente catalogo o dei contenuti per scopi commerciali. Il catalogo, pertanto, può essere esclusivamente utilizzato per gli scopi personali del Cliente.

SAVIX avrà il diritto di inserire il proprio marchio, nome commerciale, logo, ideogramma, o altro segno distintivo proprio o di terzi, nonché altre forme di pubblicità a sua totale discrezione all'interno del presente catalogo.

Il Cliente non deve sfruttare o utilizzare il catalogo, o qualsiasi contenuto, in modo tale da arrecare detrimento a SAVIX o a terzi. In particolare, il Cliente ha l'obbligo di astenersi dall'utilizzare il catalogo o i contenuti per svolgere attività in concorrenza, o comunque in modo tale da arrecare danno o pregiudizio agli interessi, anche economici, ovvero all'immagine di SAVIX, di altri Clienti o di terzi.

Il Cliente è esclusivamente responsabile della valutazione di qualsiasi Prodotto indicato sul presente catalogo. Il Cliente dovrà tenere indenne SAVIX da qualunque pretesa o azione legale iniziata o minacciata contro SAVIX da terzi in conseguenza del fatto che il catalogo, o qualsiasi contenuto, vengano utilizzati dal Cliente in violazione del presente articolo, nonché in violazione di qualsiasi altra previsione del presente contratto.

12. Proprietà intellettuale

I contenuti del catalogo, quali, a titolo esemplificativo, le opere, le immagini, le fotografie, i disegni, le figure, i loghi ed ogni altro materiale, le presenti condizioni, sono protetti dal diritto d'autore e da ogni altro diritto di proprietà intellettuale di SAVIX o dei suoi licenziatari. È fatto espresso divieto di copiare, modificare, creare o diffondere lavori derivanti, in tutto o in parte, dal presente catalogo, senza il consenso espresso in forma scritta di SAVIX.

SAVIX ha il diritto esclusivo di autorizzare o vietare la riproduzione diretta o indiretta, temporanea o permanente, in qualunque modo o forma, in tutto o in parte, del presente catalogo e dei suoi contenuti.

Il Cliente non è autorizzato ad eseguire alcuna riproduzione, su qualsiasi supporto, in tutto o in parte del presente catalogo e dei suoi contenuti. Qualsiasi atto di riproduzione dovrà essere, di volta in volta, autorizzato da SAVIX.

Inoltre, il Cliente, in nessun caso, è autorizzato ad utilizzare, in qualsiasi modo e forma, i contenuti del catalogo o di ogni altro diritto di proprietà intellettuale di SAVIX.

È fatto espresso divieto all'Utente e/o al Cliente di scaricare, copiare, riprodurre, duplicare o comunque utilizzare o diffondere qualsiasi marchio, nome commerciale, logo, ideogramma, o altro segno distintivo relativo a SAVIX o MiniTools o ai relativi Prodotti.

13. Modifiche contrattuali e convenzioni complementari

SAVIX si riserva il diritto di apportare, in qualunque momento ed a propria esclusiva discrezione, tutte le modifiche, integrazioni e/o aggiornamenti che riterrà necessari e/o, semplicemente, opportuni al presente catalogo. Ivi inclusi anche le eventuali modifiche, aggiornamenti e/o integrazioni apportate potranno essere consultate sul sito www.store.savix.com.

Per chiarezza, ogni modifica e/o aggiornamento effettuata come sopra non avrà effetto sui contratti già sottoscritti con Clienti prima dell'effettuazione di tale modifica o aggiornamento.

Le clausole delle presenti Condizioni generali di vendita non importa la nullità delle altre clausole, in tal caso le parti si impegnano a sostituire le clausole dichiarate nulle con altre valide di significato e contenuto uguale o simile.

14. Risoluzione delle controversie

Per tutte le controversie che dovessero insorgere in relazione al presente contratto, comprese quelle inerenti alla sua validità, interpretazione, esecuzione e risoluzione, sarà esclusivamente competente il Foro di Bari.

Il testo in lingua italiana del presente contratto è l'unico facente fede come testo originale.

Il presente contratto è stato redatto in tre esemplari, i quali verranno improntati alla lingua italiana che costituisce la loro lingua ufficiale.

15. Trattamento dei dati personali

I dati personali dell'Utente/Cliente che SAVIX acquisisce dagli stessi, saranno trattati nel rispetto della legge in materia di trattamento dei dati personali.

Il titolare del trattamento dei dati personali è SAVIX con sede in C.da Popoleto 14/B, 70011, Alberobello (BA), Partita Iva n. IT05948750723, in persona del legale rappresentante pro tempore.

Il trattamento dei dati personali è finalizzato a consentire al Cliente di avvalersi di qualsiasi operazione o operazione, concernente la raccolta, modificazione, registrazione o conservazione di informazioni relative alla persona fisica o giuridica del Cliente.

Il conferimento dei dati personali è necessario e, pertanto, un eventuale rifiuto di fornirli al momento della sottoscrizione del contratto, determina l'impossibilità da parte del Cliente di usufruire del servizio messo a disposizione da SAVIX.

I dati personali indicati dal Cliente, saranno trattati conservati ed elaborati sia con mezzi cartacei sia con mezzi e strumenti automatizzati, e verranno memorizzati sia su supporti informatici che su supporti cartacei, organizzati in database, e su ogni altro tipo di supporto idoneo, nel rispetto delle misure di sicurezza ai sensi del Disciplina Tecnica in materia di misure minime di sicurezza, Allegato B del Codice della Privacy e successive modifiche ed integrazioni.

A seguito dell'invio volontario di messaggi di posta elettronica agli indirizzi presenti sul Sito e sul catalogo, o a seguito dell'invio dei dati personali, SAVIX potrà trattare i dati personali del mittente e gli ulteriori dati personali contenuti nella missiva per rispondere alle richieste formulate dall'Utente/Cliente.

I dati personali messi a disposizione di SAVIX potranno essere utilizzati per: l'esecuzione del servizio e la gestione dell'Ordine; il consenso e la gestione dell'eventuale iscrizione o registrazione al sito www.store.savix.com; la gestione del contratto e/o relativi adempimenti; la gestione del controllo e/o della protezione dei dati connessi all'erogazione di servizi da parte della Società nonché, in generale, per lo svolgimento di attività connesse all'esecuzione di un rapporto contrattuale con SAVIX ovvero per far fronte, prima della conclusione del contratto, a specifiche richieste da parte del Cliente; attività promozionali su Prodotti/Servizi analoghi a quelli offerti dall'Utente/Cliente (Considerando 47 Regolamento UE n. 679/2016 GDPR), ai fini di vendita diretta di propri Servizi/Prodotti, limitatamente al caso in cui si tratti di Prodotti/Servizi analoghi a quelli oggetto della vendita, a meno che l'Utente/cliente non si opponga esplicitamente.

I dati personali acquisiti non saranno diffusi e potranno essere comunicati, oltre che a soggetti a cui sia riconosciuta la facoltà e l'interesse di accedere secondo norme di legge o di normative secondarie e/o comunitarie, al personale interno a SAVIX, nonché a società, associazioni o studi professionali che prestino servizi ed attività per conto di SAVIX in qualità di Responsabile del Trattamento per l'adempimento di obblighi di legge, nonché ad altre organizzazioni ed amministrazioni pubbliche o private incaricate per la protezione dei dati personali qualora ritenga che il trattamento dei Suoi dati personali sia contrario alla normativa in vigore. In ogni momento può esercitare i Suoi diritti ai sensi del Reg. UE 2016/679, nonché richiedere l'elenco aggiornato dei nominativi dei responsabili al trattamento, mediante formale richiesta a SAVIX.

Per esercitare i diritti di cui sopra, l'Utente/Cliente interessato potrà rivolgere richiesta all'indirizzo della sede della società sopraindicata.

**Client Code**☐

Order

☐

Quote request

SAVIX Srl

C.da Popoleto, 14/B - 70011, Alberobello (Ba) - Italy

Tel. +39 080 2221223 / +39 080 4324023

Fax +39 080 2221224 / +39 080 4327154

www.mini.tools - info@mini.tools

VAT IT 05948750723

Send by fax to:

+39 080 222 1 224**+39 080 432 7 154**

By e-mail to:

info@mini.tools

Company name: _____

Address: _____

Town: _____

Postal code: _____ City/State: _____

Phone Number: + _____ / _____ Fax Number: _____

Email: _____

VAT Number: _____

Delivery address: _____

(Information on the processing of personal data can be found on the catalog or on the website www.mini.tools)

Code	Description	Quantity

CONDITIONS

By completing this Order, the Customer declares that he / she has read, taken full view and accepted the **General Terms and Conditions of Sale and the Privacy Statement**, which are on the catalog and on the **www.mini.tools** site. All Orders and Payments are subject to acceptance by Savix.

DISCOUNTS

5% orders over € 500,00
10% orders over € 1.000,00

PAYMENT CONDITIONS

- ☐ Bank Wire Transfer
☐ Paypal

DELIVERY COSTS**EU Countries**

Order over € 150,00 => No charge
Order less than € 150,00 => € 13,00

NO EU Countries

Order over € 300,00 => No charge
Order less than € 300,00 => € 30,00

Date _____

Signature _____

GENERAL TERMS AND CONDITIONS OF SALE AND PRIVACY STATEMENT

Vers. del 30/07/2018

These general conditions of sale apply to all products of this catalogue, with the exception of those items for which special conditions of sale are applicable which are reflected in the spaces dedicated to the same products or communicated directly to the buyer in the manner set forth below. In order to correctly interpret the present general conditions of sale please observe the following definitions:

"SAVIX": as SAVIX srl, is a company that produces and sells equipment and spare parts for locomotion means; **"User"** or **"Client"**: depending on the circumstances may be a Consumer or a Professional who performs one or more Orders; **"Consumer"**: any natural person who places an Order for purposes unrelated to entrepreneurial activity, business, craft or profession; **"Professional/s"**: any natural or legal person who places an Order for purposes related to entrepreneurial activity, business, craft or profession; **"Conditions"** or **"General Sales Conditions"**: rules that the customer undertakes to accept and respect for the purchase of Products offered in this catalogue; **"Product"**: article or item which SAVIX srl offers to the User and which represents thus the object of the Purchase Order; **"Purchase Order"** or **"Order"**: is the Order for the purchase of the Products issued by the Client when filling and sending the corresponding Order form available on the catalogue; **"Consumer code"**: legislative decree of 6 September 2005, n. 206 and further modifications; **"Site"**: the website www.store.savix.com.

1. Object

SAVIX sells and the Client buys the Products displayed on the catalogue under these General Sales Conditions. Upon the receipt of the Order from the Client and its acceptance, SAVIX is committed to conclude, in its name and on behalf of the Client, a contract of sale of the Products to be delivered to the Client.

The Client, both acting on his behalf and on behalf of others, accepts that this contract regulates unconditionally all the contractual relations with SAVIX, including the conditions related to the withdrawal, delivery, transactions, electronic data management and logistics.

SAVIX has the right to accept or decline any Orders received without that, in case of reject, the Client may advance rights or claims against SAVIX for any reason. The Order shall be deemed as accepted and consequently the contract concluded when the Client receives the Order Acceptance under the contact address given in the Order form and, in any case, if not otherwise communicated, upon receipt of the Product.

2. Order

The Client will perform and submit Orders using the forms annexed to this catalogue and according to the procedure of described therein.

All the Orders and payments are subject to the sole acceptance of SAVIX.

Once received by SAVIX, the Order has to be considered as a final purchase and no further integrations can be made, if not through a new Order.

3. Prices

All the prices indicated on the price list reserved for professionals are in Euro and do not include VAT. Any taxes, duties and taxes foreseen in the country of destination of the Products, where this is different from Italy, will be borne by the Client.

The prices in the price list are not binding for SAVIX and can be changed at any time without notice.

In case the Client indicates on the Order form the wrong price, the price shown on the site www.store.savix.com will be considered valid.

In case of cancellation, either by the Client or in case of non-acceptance of the same by SAVIX, it will be asked for the cancellation of the transaction and the release of the committed amount. The time of release, for some types of products, depends exclusively on the banking system and can be up to their natural expiration (24 days from the date of authorization). Once the transaction has been cancelled, SAVIX shall not be liable in any way for any direct or indirect damage caused by the delay in failure to release the amount committed by the banking system.

The offer provided by SAVIX is multichannel; product prices may vary and are always subject to change. Depending on the channel that the Client chooses to use, either web, catalogue or phone, SAVIX, in its sole discretion, may modify the prices shown in the price list at any time without notice.

In any case the prices listed on the site www.store.savix.com outweigh the prices shown on the other channels.

4. Payment

The methods of payment accepted by SAVIX are:

1. PayPal/Credit card: the amount due by the Client for each Purchase order will be charged through a link that SAVIX will provide to the Client at its acceptance. For each transaction through a PayPal account, the Client will receive an e-mail confirmation from PayPal. SAVIX reserves the right not to accept any Purchase Orders or to suspend the execution of any contracts already concluded if PayPal signals anomalies or irregularity in payment. In this case SAVIX reserves the right to ask the Client any further information and/or to send copies of documents proving the ownership of the credit card used for the purchase. In the absence of the required documentation, SAVIX reserves the right to not accept the Purchase Order or to resolve the contract already concluded without this gives the Client the right to compensation for damages or to rely on other claims.

2. Bank transfer in advance: SAVIX's bank account details will be given to the Client at the Order Acceptance.

The shipment of the ordered goods will only take place when the due amount is credited on the bank account of SAVIX which is to be made within 7 working days from the date of acceptance of the Order. After this deadline, the Order will be automatically cancelled. The reason for the bank transfer should include: The Order reference number; date of Order; name and surname of the holder's Order.

All Orders received are processed after the receipt of the payment. SAVIX, in its sole discretion, may deny any Client payment methods.

Except for different payment methods expressly agreed with the Client.

5. Purchase procedure and conclusion of the Agreement

The Client will indicate on the Order form the wished Product among those displayed on the catalogue, pledging to pay the amount shown through one of the payment methods listed above.

SAVIX, by their courier service will deliver the Product purchased to the Client, who will proceed independently to install it. SAVIX is not responsible for the incorrect installation of the purchased Products.

6. Product delivery and control

The delivery time given in the catalogue are approximate and not strictly binding for SAVIX. It is always possible to meet any unexpected delays depending on production requirements or on shipping problems but never imputable to SAVIX that cannot guarantee a punctual delivery. In any case, SAVIX is not responsible for any delays due to the carrier. Deliveries do not take place on Saturday, Sunday and non-working days. The Client and/or a person in charge of the same to collect the Product, must check and verify it very carefully, at the time of delivery and at the presence of the transporter, the integrity of packages delivered and their number, by reporting any discrepancies in the number and/or integrity of packages, writing in the space provided in the carrier's document, that will be kept by this latter after being signed.

SAVIX reserves the right to refuse or not give execution to Orders requiring the delivery of its Products outside the Italian territory or outside the country of residence of the Client.

7. Non-collection of the Product

If not otherwise specified by the Client, SAVIX will deliver the purchased Product to the address given on the Purchase Order.

In case the Product has been returned to SAVIX, because it was not possible to deliver it to the address given by the Client, SAVIX will try to contact the Client to obtain a further address for the delivery; any additional shipping charges will be borne by the Client.

After 7 (seven) days from the first unsuccessful delivery attempt, SAVIX, in its sole discretion, will decide whether to act in order to obtain the payment of the credit or to keep the Product in its property by way of compensation for the damage suffered.

SAVIX reserves the right to store any other lawful right in relation to the amounts not paid by the Client. In the case of storage, SAVIX will charge a storage fee of € 0,35 (thirty-five cents) per day.

8. Passing of risk

SAVIX is not responsible for late or non-delivery due to force majeure circumstances such as strikes, measures taken by the Public Authority, fires, floods, destruction of machinery not attributable to SAVIX. In any case SAVIX will promptly inform the Client of the occurrence and the end of force majeure circumstances. In case the force majeure continues for a period longer than 30 (thirty) days, either party shall be entitled to withdraw from the contract. In case of withdrawal, according to this section, the Client cannot claim any compensation for damages, without prejudice to the right to a refund of any already paid price for the Products ordered within 30 (thirty) days from Order.

In case of purchase made by someone other than the Consumer Client, the risk of accidental loss of the Product is charged to the Client with the delivery of the Product from SAVIX to the first carrier.

In accordance with the art. 63 of the Consumer Code, any damage to the Products' packaging must be immediately claimed by the Client. It will be means of a note written on the delivery document certifying the consignment. It is understood that once signed the delivery document without any claim, the Client will be denied any exception regarding the external characteristics of the delivered goods.

In the event that the carrier has been chosen by the Client, the risk of damage and loss of the goods is transferred to the Client at the time of delivery to the carrier, precluding any claim related to the exterior features of the delivered goods. In this case, any claim must be brought by the Client against the carrier.

9. Right of withdrawal

The Consumer Client and not Professional shall have a period of 14 days to withdraw from the contract. The withdrawal period shall begin from the day on which the Client or a third party other than the carrier and indicated by the Client acquires the physical possession of the product.

The right of withdrawal is exercised when the Consumer Client shall inform SAVIX of his decision to terminate the contract via an explicit declaration to be sent to the following address: SAVIX srl, c.da Popoleto, 14/B - 70011 - Alberobello (BA) by registered mail or other suitable means as a proof and certifying the date of receipt.

The notice must take place before the expiry date of the withdrawal period and through any explicit declaration. In case of correct withdrawal, to the Consumer Client will be refunded all payments made to SAVIX, including the cost of delivery (except for the additional costs arising from the Client choice of a specific type of delivery other than the less expensive than standard delivery offered by SAVIX). The refund shall be made without delay and no later than 14 days from the day on which SAVIX has received the Products subject to withdrawal. Is without prejudice to the possibility of SAVIX to withhold the reimbursement until it has received the goods or until the Consumer Client has given evidence to have returned the Products, whichever situation occurs first. Refunds are made using the same payment method used by the Consumer Client for the initial transaction, unless it is agreed otherwise.

In case of withdrawal, the Client must return the Products to the address given by SAVIX, without undue delay and in any case within 14 days from the day the withdrawal from the contract has been communicated. The term is understood as respected only if the Consumer Client shall return the Products prior to the expiry of the period of 14 days.

It should be noted that the direct costs of returning the goods have to be paid by the Consumer Client.

The Consumer Client is liable for any diminished value of the goods resulting from the handling of the Product other than what is necessary to ascertain the nature, characteristics and functioning of the Products.

It should be noted that the right of withdrawal is excluded and therefore the preceding paragraphs do not apply with respect to contracts with Professional Client and companies.

The right of withdrawal is also excluded:

- for all purchases where delivery occurs within a store;
- for audio-visual products or computer software, sound cards, midi controllers where inside the package includes software with the license key, that have been opened or activated by the consumer;
- for all cases under article 59 of the Consumer Code.

10. Warranty

SAVIX commits to deliver to the Client Products in conformity with the contract of sale.

All the mandatory warranties required by law are granted to the Client. SAVIX does not grant, however, further additional guarantees.

Therefore, the Products shown in this catalogue have a legal guarantee of conformity within the meaning of the Consumer Code and Civil Code as applicable, except for changes in the law and the Consumer Client will benefit from the legal guarantee of conformity provided for by art. 128 and following of the Consumer Code that shall be barred two years after delivery of the product.

The guarantee shall be relied upon, for the Professional Client, within eight days of discovery of the defect, while the Consumer Client shall it to be activated within two months of the discovery of the defect.

SAVIX is not responsible for the lack of conformity resulting from incorrect installation of the Product, since the installation is not included in the sale contract and not being made under his responsibility.

SAVIX is not responsible for the incorrect installation made by the Client, as the Products sold are not intended to be installed by the Consumer.

There is no lack of conformity if, at the time of conclusion of the contract, the Client was aware of the defect and could not ignore it with ordinary diligence, or if the lack of conformity derives from instructions or materials supplied by the Client.

As a mere example, it should be noted that the guarantee is not recognized, among the others, for the following reasons: -Product tampering; -Incorrect installation of the Product; -Unauthorized opening of the Product;

-Malfunctioning due to causes external to the Product; -Lack of maintenance by the Client; -Warranty expiry.

The Client who intends to make use of the guarantee must notify to SAVIX a request at the following address: rma@mini.to. Necessary condition for the warranty is that the request is complete with the invoice number and any existing warranty codes on the Products.

Regarding a warranty claim and if the conditions are valid, SAVIX will perform a diagnosis. If the diagnosis confirms the application of the warranty, and there are no grounds for exclusion, SAVIX will repair and/or replace the Product.

Where the diagnosis shows that the malfunction is due to negligence or failure to comply with the procedures for installation and maintenance of the Products, the shipping costs will be charged to the Client.

In this case, the Client may authorize SAVIX to proceed to the replacement of the Product, upon payment of the amount indicated by SAVIX.

11. Obligations of the Client

The Products shown and purchased through this catalogue can only be used for personal use of the Client. The Client may not resell or attempt to resell the Products, without the prior written consent of SAVIX.

The Client shall not copy, modify, transmit and distribute externally, publicly display, download, print or publish any part of this catalogue or content for commercial purposes. The catalogue, therefore, may only be used for personal purposes of the Client.

As a mere example, it should be noted that the Client is not entitled to use under any circumstances, in any manner or form, or to third parties, and other forms of advertising in its absolute discretion within this catalogue.

The Client shall not exploit or use the catalogue, or any content, in such a way as to cause detriment to SAVIX, or to third parties. In particular, the Client is obliged to refrain from using the catalogue or content to engage in competition, or otherwise in such a way as to cause damage or even economic interests, which is the image of SAVIX, of other Clients or of third parties.

The customer is solely responsible for evaluating any product indicated in this catalogue.

The customer shall indemnify SAVIX from any claim or lawsuit initiated or threatened against SAVIX by third parties as a result of the fact that the catalogue, or any content, to be used by the Client in violation of this article and in violation of any other provisions of this agreement.

12. Intellectual property

The catalogue content, such as, but not limited to, works, images, photographs, designs, shapes, logos and any other material, these terms are protected by copyright and any other intellectual property right of SAVIX or its licensors. It is expressly forbidden to copy, modify, create derivative works or derivative works in whole or in part, without the prior written consent of SAVIX.

SAVIX has the exclusive right to authorize or prohibit direct or indirect, temporary or permanent reproduction, in any manner or form, in whole or in part, of this catalogue and its contents.

The Client is not entitled to make any reproduction in any medium, in whole or in part of this catalogue and its contents. Any reproduction must be authorized from time to time by SAVIX.

In addition, the Client is not entitled to use under any circumstances, in any manner or form, the contents of the catalogue and any other intellectual property right of SAVIX.

It is expressly forbidden to the User and/or Client to download, copy, reproduce, duplicate, or otherwise use or disseminate any trademark, trade name, logo, design, or other distinguishing feature of SAVIX or Minimoto or their Products.

13. Contractual amendments and further agreements

SAVIX reserves the right to make, at any time and in its sole discretion, any changes, additions and/or updates considered necessary and/or appropriate to simply present catalogue including these General Sales Conditions. Any changes, updates and/or additions can be consulted on the site www.store.savix.com.

For clarity, any amendment and/or update made as above will not affect contracts already signed with Clients prior to the execution of such changes or updates.

Any partial or total invalidity of one or more provisions of these General Sales Conditions does not involve the nullity of the other provisions; in such a case the parties shall replace the void clauses with other legitimate meanings and the same or similar content.

14. Resolution of the disputes

For all disputes arising in connection with this agreement, including those relating to its validity, interpretation, execution and termination, shall be exclusively in charge of the Court of Bari.

The Italian text of this agreement is the only authentic as the original text.

The parties agree that all reports will be based on the Italian language that is their official language.

15. Processing of personal data

The personal data of the Client that SAVIX acquires from this latter, will be processed according to the law in force for the personal data protection.

The manager of the personal data is SAVIX based in C.da Popoleto 14/B, 70011, Alberobello (BA), VAT IT05948750723, through his legal representative pro tempore.

With "personal data processing" is meant any operation or set of operations, concerning the collection, modification, registration or retention of information related to the natural or legal person of the Client.

The transfer of personal data is necessary and, therefore, any refusal to provide them, at the time of formulation of the Order, determines the inability for the Client to use the service provided by SAVIX.

The personal data given by the Client, will be stored and processed by paper and treated with automated tools and instruments, and will be stored electronically, on paper, organized into databases, and on any other type of suitable support, in compliance with the security measures pursuant to the technical specifications regarding minimum security measures, annex B to the Privacy Code and any subsequent amendments and additions.

Following the voluntary sending of e-mails to the addresses on the Site and on the catalogue or after the Order is placed, SAVIX may process the sender's email and additional personal data contained in the message to respond to requests made by the User/Client.

The personal information made available to SAVIX may be used to: service execution and order management; the consensus and the management of any subscription or registration on the site www.store.savix.com and other sites owned and/or affiliates and/or somehow related to SAVIX; perform tasks related to the provision of services by the company, as well as in general for conducting activities related to the execution of a contractual relationship with SAVIX or to cope with, prior to the conclusion of the contract, specifications requested by the Client; promotional activities on Products/Services similar to the ones previously bought from the User/Client; Recital 47 Regulation UE no. 679/2016 GDPR), for the purpose of direct sales of Products/Services in a limited number of cases.

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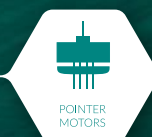
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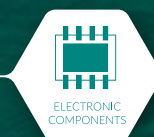
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