I/O Connector Systems

Sicma

90 way sealed connector system

Features

90 way - 90 x 1.5 mm pin header

- Stitch-in pin headers
- 3 row 3.33 x 6 mm pitch
- Gasket panel seal
- Mechanical polarization
- Straight version for PCB

90 way female housing for 1.5 mm terminals

- Rear sealing by grommet
- Circumferential interface seal
- Pre-assembled front grid supports blade terminals guiding and mating
- Terminal position assurance (T.P.A.)
- Cable protection cover
- Locking cam



Performance characteristics

Temperature range: from -40°C to +125°C	
Contact retention force:	> 100 N
Contact insertion force:	< 12 N
Connector mating force:	< 120 N
Sealing protection:	IP 68
Acceptable wire range: from 0.5 to 2 mm²	

Construction

Housing material:	
- Female housing:	PBT
- Pin header:	PBT
Interface seal:	Silicone
Rear grommet seal:	Silicone
Tab material and plating: CuZn30+SnPb	

Tooling

T.P.A. removal tool:	210S040
Terminal removal tool:	210S048

Connector compatibility

- Usable terminals:
  - Sicma-2 1.5 mm female terminals
  - Sicma-3 1.5 mm female terminals

Part Numbers	No. of position	Terminal size	Type	Colour
211 PL902Y0008	90	1.5 mm	Pin header	Black
211 PL902Y8008	90	1.5 mm	Pin header	Grey
211 PL902Y1008	90	1.5 mm	Pin header	Brown
211 PC902S0008	90	1.5 mm	Female housing	Black
211 PC902S8008	90	1.5 mm	Female housing	Grey
211 PC902S1008	90	1.5 mm	Female housing	Brown
211 A900006			Protection cover	Black
211 A900004			Locking cam	Purple

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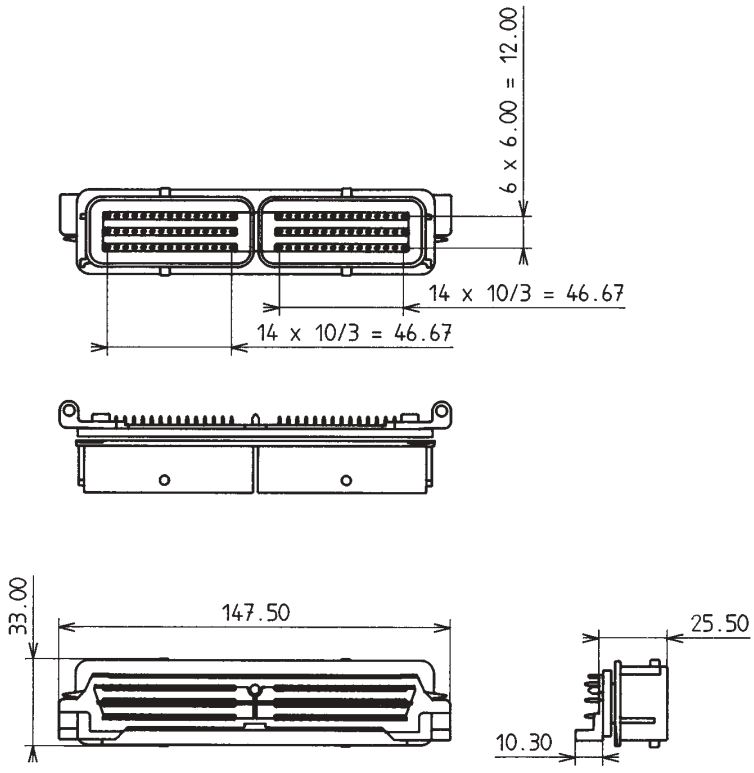
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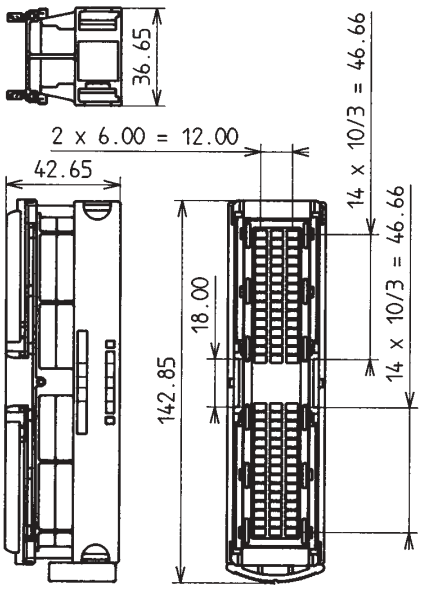
Dimensional characteristics

Notes:

Pin header



Female housing with locking cam



Protection cover

