# **I/O Connector Systems**



Sicma

### 90 way sealed connector system

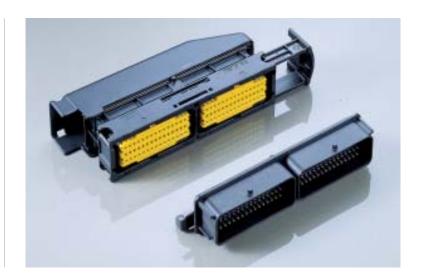
#### Features

#### 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 mm<sup>2</sup>

#### Construction

Housing material:	
- Female housing:	PBT
- Pin header:	PBT
Interface seal:	Silicone
Rear grommet seal:	Silicone
• Tab pastarial and plating:	

 Tab material and plating: CuZn30+SnPb

#### **Tooling**

• T.P.A. removal tool:	210S040
<ul> <li>Terminal removal tool:</li> </ul>	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	Туре	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

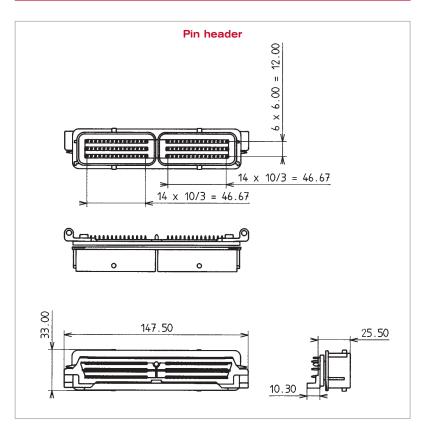
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Dimensional characteristics



Notes:

