



Product Applications

I/O Connector Systems

Sicma



Terminal System Overview



Housing Overview

90 way sealed connector system

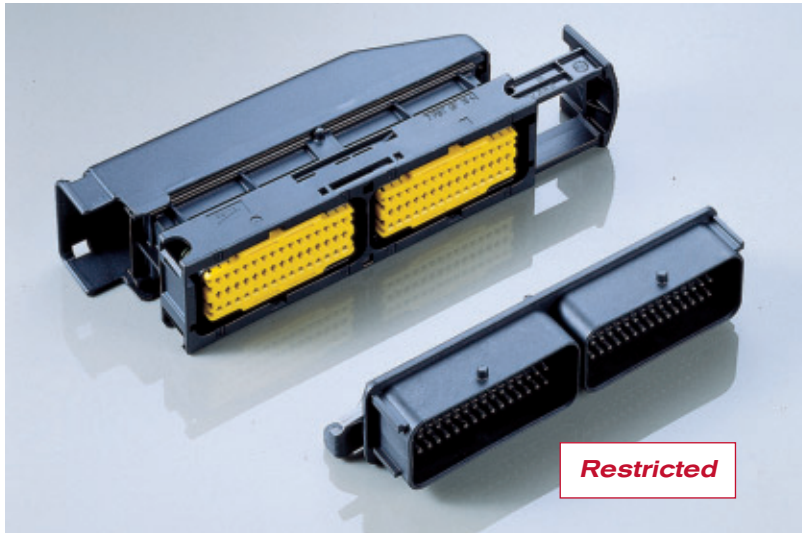
Features

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

- Sicma-3 1.5 mm female terminals

Overview of SICMA housings

| Part Numbers | No. of position | Terminal size | Type | Colour |
|-----------------------------|-----------------|---------------|---------------|--------|
| 211 PL902Y0008 (RESTRICTED) | 90 | 1.5 mm | Pin header | Black |
| 211 PC902S0009 | 90 | 1.5 mm | Femal housing | Black |
| 211 A900008 | | | Cover | Black |
| 211 A900007 | | | Locking cam | Black |

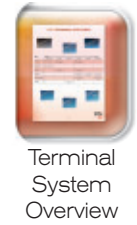


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Dimensional characteristics

Notes:

