

I/O Connector Systems

Sicma



56 way sealed connector system

Features

56 way - 56 x 1.5 mm pin header

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

56 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: < 100 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+Sn

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 PL562Y0008	56	1.5 mm Straight angle	Pin header	Black
211 PL562Y1008	56	1.5 mm Straight angle	Pin header	Brown
211 PL562Y8008	56	1.5 mm Straight angle	Pin header	Grey
211 PL562Y9008	56	1.5 mm Straight angle	Pin header	White
211 PL562L0008	56	1.5 mm Right angle	Pin header	Black
211 PL562L0011	56	1.5 mm Right angle	Pin header	Black
211 PC562S0008	56	1.5 mm	Female housing	Black
211 PC562S1008	56	1.5 mm	Female housing	Brown
211 PC562S8008	56	1.5 mm	Female housing	Grey
211 PC562S9008	56	1.5 mm	Female housing	White
211 A560006			Protection cover	Black
211 A567004			Locking cam	Black

I/O Connector Systems

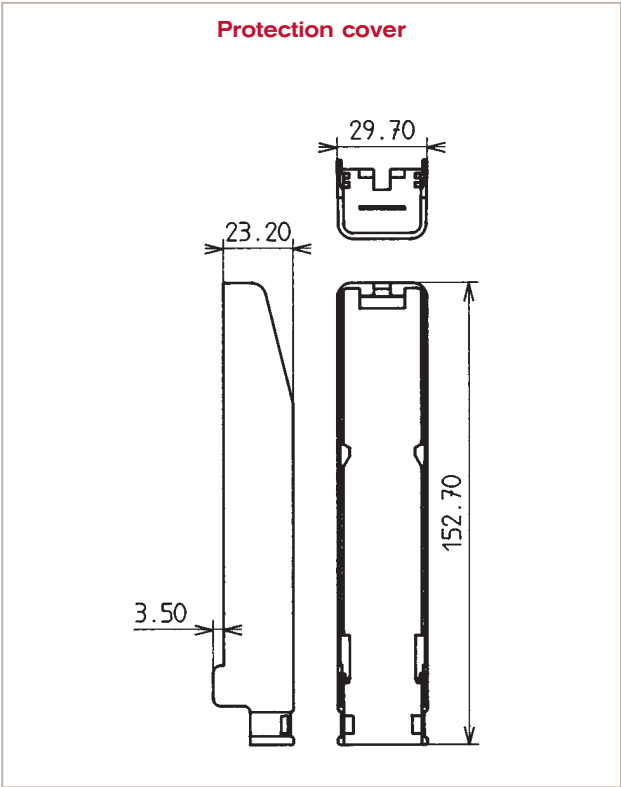
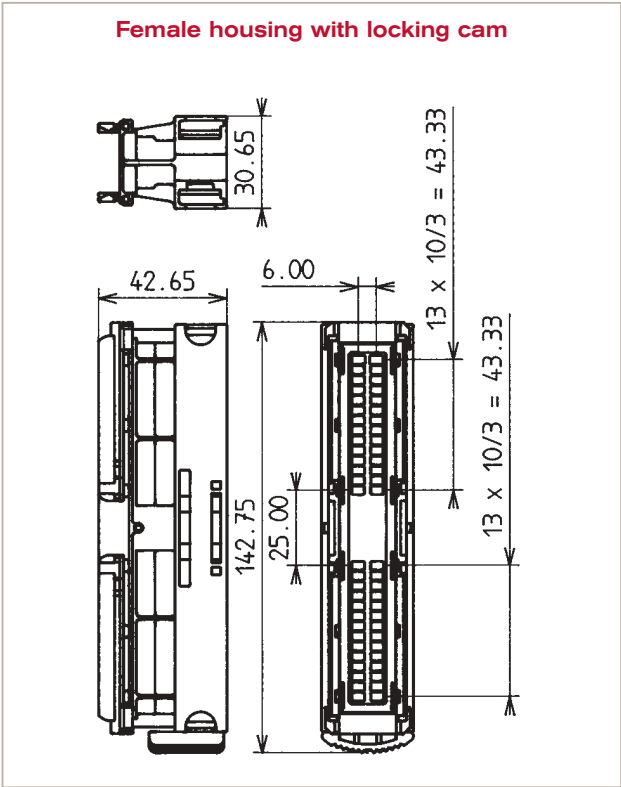
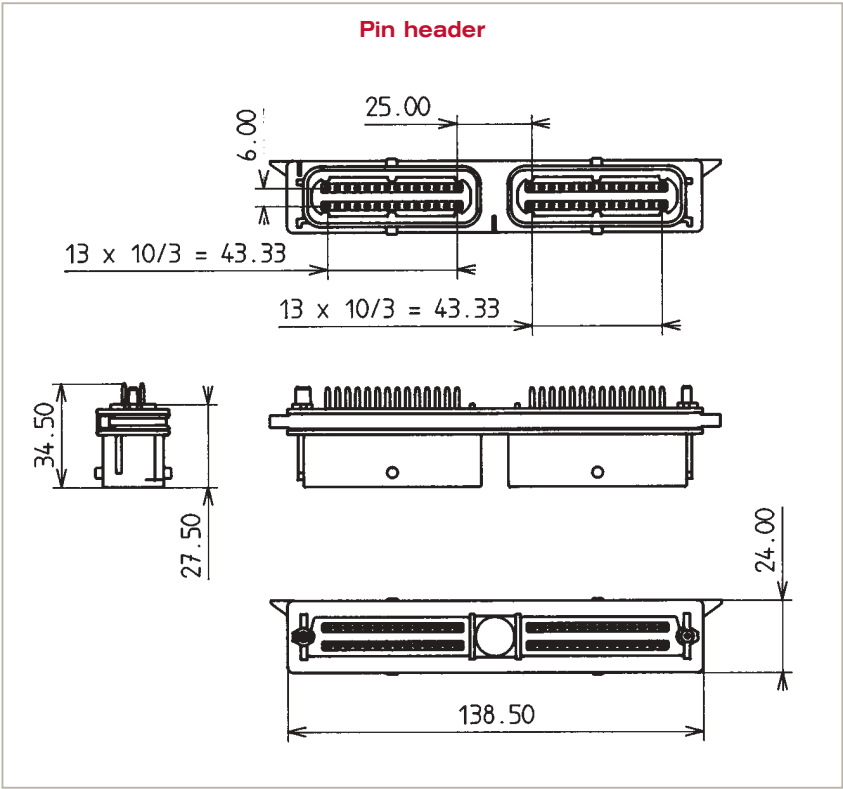
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Dimensional characteristics

Notes:



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56 Ways I/O connector system Male

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Specifications

General

Dimensional

Mechanical

Physical



Terminal 1 Type


Environmental


Other Features

General	
Application	Transmission Control
Ways	56
Component Type	I/O Connector System
Number of rows	Double Row
Terminal size (in mm)	1.5
Family	ECU Connectors and Packagings
Features	Mechanical Polarization Gasket Panel Seal

Interface to PCB	Right Angle
Interfacial seal	Silicone
Molded	Stitched
Dimensional	
Acceptable Range of Wire Gauge in mm ²	0.5 to 2
Contact Pitch	3.33x6 mm
Mechanical	
Sealing	Yes
Connector mating force	< 100N
Rear Grommet Seal Mat	Silicone
Sealing Protection Index	IP 68
Physical	
Color	Black
Tab material and plating	CuZn30+Sn
Material	PBT
Temperature (Range)	-40°C to +125°C
Terminal 1 Type	
Terminal type 1	Sicma Female 1.5 mm Terminal
Ways for Terminal Type 1	56
Contact insertion force for Terminal Type 1	< 12N
Retention force (Contact) for Terminal Type 1	> 100N
Environmental	
IMDS	Yes
Other Features	
Type	Male
Disclaimer	Displayed data is for information purposes only. For more information, please contact your local sales office. The supply of some products might be limited to some customers.



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Application	Powertrain
Ways	56
Product Type	Housing
Coding	Yes
Features	New 56 W Female Housing for Gear Box ECU
Hybrid	No
Main Terminal family	Sicma
Main Terminal size	1.5 mm

Sealed	Yes
Terminal Size	1.5
Physical	
Color	Black
Material	PBT
Temperature (Range)	-40°C to +125°C
Terminal 1 Type	
Terminal type 1	Sicma Female 1.5 mm Terminal
Environmental	
IMDS	Yes
Other Features	
Type	Female
Disclaimer	Displayed data is for information purposes only. For more information, please contact your local sales office. The supply of some products might be limited to some customers.