查询#36638-0002"供应商

for the automotive market

took priority during the design stage.

design flexibility for application manufacturers.



2.54 mm(0.100") / 3.50mm (0.138") Pitch PCB Header

36638

CMC Hybrid PCB Header



Features

- Polarized geometry
- Wire-to-board right angle header with mounting flanges

A major application of this connector would be the engine controls.

Molex's CMC product family now includes the Hybrid PCB connector header

The CMC Hybrid PCB Header has been developed to meet the Euro III emission control requirements. Maximizing the efficiency of fuel management system

The CMC Hybrid PCB Connector has a mounting flange which allows it to be firmly secured onto the application. The optional snap-in peg provides retention of the connector to the PCB during soldering. Terminal used is right-angletwisted during stamping. This process enables strong terminal rigidity. Circuit size options between 1 to 48 for single port and 1-96 for double port provide

- Extended power pin
- Optional Snap-In peg
- Options for different circuit sizes for single and double port
- Wave and Manual solder compatible
- Tapered lead-in on PC tails
- Shrouded geometry

Benefits

- To prevent mismatching the header and receptacle
- Easy mounting of header assembly to the chassis.
- Grounding due to First Mate /Last break
- Retention of header to PCB
- Circuit configurations flexibility
- Solder process flexibility
- Ease of insertion into the PCB board
- Identifying of sealed and unsealed applications

SPECIFICATIONS

sc.com

Reference Information Packaging: Tray UL File No.: CSA File No.: Black : Left 0989931311 Receptacle Right -0989933311 Receptacle Brown: Left - 0989931319 Receptacle Right - 0989933319 Receptacle **Designed In: Millimeters Electrical** Voltage: 250 V Current: 5A / 15 A **Contact Resistance : 20 milliohms max Dielectric Withstanding Voltage: 500V DC** Insulation Resistance: 100 Megohms min

Mechanical

Contact Insertion Force: 35.00N(7.86lb) min Contact Retention to Housing: 35.00 N(7.86lb) min Mating Force: 80.00N(17.98 lb) Unmating Force: 80.00N(17.98 lb)

Physical

Housing: PBT Polyester, Black, UL 94-HB Glass-filled Contact: Brass (Cu Zn) Alloy Plating: Contact Area — 4.0µm (160µ") Tin (Sn) Solder Tail Area — 4.0µm160µ")Tin(Sn) Under plating — 1.3µm (50µ")Nickel(Ni) PCB Thickness: Ref order table Operating Temperature: -40°C to 100°C

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Automotive

ECU Applications

- EMS(Engine Management System) for 4 Wheeler
- EGR(Emission Gas Release) system
- Body control module
- Solenoid valve
- EMS(Engine Management System) for two wheeler

36638

CMC Hybrid PCB Header



CMC Connectors in Engine Application

Ordering Information

| Description | Order No. | Pin Projection out from PCB Solder Surface | PCB Thickness | PCB Locking | Pins Loaded | Circuit Size |
|--|------------|--|---------------|----------------|----------------|-----------------|
| CMC Header , 2 port | 36638-0001 | 1.3mm/0.9mm | 1.6mm / 2mm | No | 72 | 96 |
| CMC Header, 48 way X 1, T3 interface, Black | 36638-0002 | 1.3mm | 1.6mm | Yes | 48 | 48 |
| | 36638-0004 | 1.3mm/0.9mm | 1.6mm / 2mm | No | | |
| CMC Header, 48 way X 1, T3 interface, Brown | 36638-0003 | 1.3mm | 1.6mm | Yes | | |
| | 36638-0005 | 1.3mm/0.9mm | 1.6mm / 2mm | No | | |
| CMC Header, 48 way X 1, Black | 36638-0006 | 1.3mm | 1.6mm | Yes | 36 | |
| | 36638-0008 | 1.3mm/0.9mm | 1.6mm / 2mm | No | | |
| CMC Header, 48 way X 1, Brown | 36638-0007 | 1.3mm | 1.6mm | Yes | | |
| | 36638-0009 | 1.3mm/0.9mm | 1.6mm / 2mm | No | | |
| CMC Header, 2 port | 36638-0010 | 1.3mm | 1.6mm | Yes | 72 | 96 |



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