CMC 32- and 48-Circuit Right-Angle Sealed Headers

CMC 32- and 48-Circuit Right-Angle Headers offer a rectangular shape to make design easier while including an IP67-rated seal and self-tapping screws to make installation more convenient.

Features and Advantages

Seal with IP67 NEMA rating
Prevents water and dust ingress.
Eliminates the need to apply sealant between the header and the casing.

Rectangular shape
Eases design as compared to trapezoidal connectors.

Rugged construction
Withstands high-vibration environments.

Wide operating temperature: -40 to +125°C
Endures environmental extremes. Appropriate for motor controls and engine compartments.

Includes self-tapping screws
Makes implementation easier. Eliminates the need for drilling. Speeds up assembly.

Markets and Applications

Automotive/Commercial Vehicle
- Cars
- Trucks
- Buses
- Motorcycles
- Marine
- Agricultural Equipment
- Construction Equipment

Power Train Applications:
- Engine Control Unit
- Automatic Gear Box
- Suspension Controller
- Parking Brake
- Inverter
- On-Board Charger

Body Electronics Applications:
- Lighting Control System
- Fuse Box
- Electric Doors

Motor and Converter Control Units in Engine Compartment
CMC 32- and 48-Circuit Right-Angle Sealed Headers

Specifications

**REFERENCE INFORMATION**
Mates With: 32- and 48-Circuit CMC Receptacles
Terminal Used: CP 0.6 and CP 1.5
Designed In: Millimeters

**ELECTRICAL**
Voltage (max.): 14V DC
Current (max.): 0.63mm Terminal — 2.5A
1.50mm Terminal — 12.0A
Contact Resistance (max.): 0.63 Terminal — 8 milliohms
1.50mm Terminal — 4 milliohms
Dielectric Withstanding Voltage: 1000V AC
Insulation Resistance (min.): 100 Megohms

**MECHANICAL**
Contact Insertion Force (max.):
0.63mm Terminal — 12N
1.50mm Terminal — 25N
Contact Retention to Housing (min.):
0.63mm Terminal — 60N
1.50mm Terminal — 100N
Mating/Un-Mating Force (max.): 70N
Durability (max.): 20 Cycles

**PHYSICAL**
Housing: PBT GF30
Plating: Tin or Gold
Operating Temperature: -40 to +125°C

Note: Molex reserves the right to delay or cancel production of the depicted product without additional notice. Please contact your Molex customer service representative for product availability.