PRELIMINARY

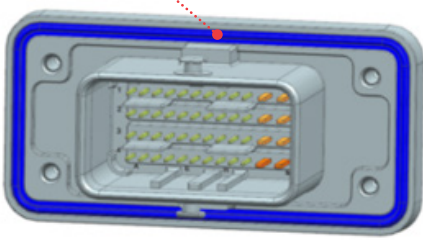
CMC 32- and 48-Circuit Right-Angle Sealed Headers

molex

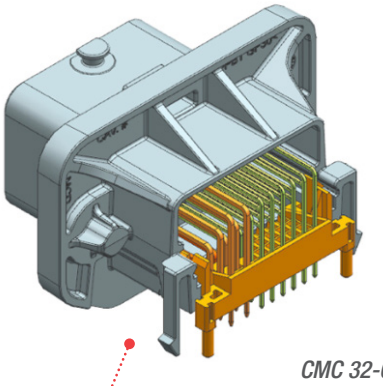
CMC 32- and 48-Circuit Right-Angle Headers offer a rectangular shape to make design easier while including an IP67-rated seal and self-tapping screws to make installation more convenient

Features and Advantages

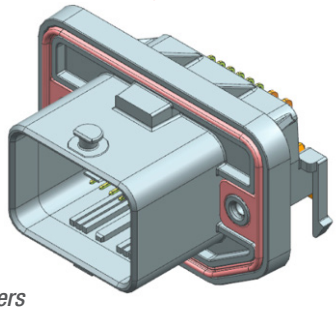
Seal with IP67 NEMA rating
Prevents water and dust ingress. Eliminates the need to apply sealant between the header and the casing



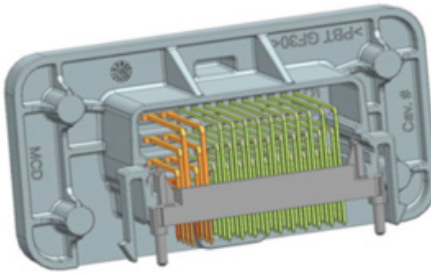
Rectangular shape
Eases design as compared to trapezoidal connectors



Rugged construction
Withstands high-vibration environments



CMC 32-Circuit Headers



CMC 48-Circuit Headers

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

PRELIMINARY

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

molex

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.

www.molex.com/link/cmx.html

Order No. 987651-9361 USA/0k/GF/2018.11