Compact 28-circuit high-current header mates with Molex’s 28-circuit female power connector to offer customers a complete space-saving, wire-to-board solution for sealed transportation applications requiring up to 21Amps.

The CMC family from Molex is a sealed, high-density connection system developed to perform in high-conductivity transportation applications and in harsh environments. It is a cost-effective, modular and hybrid system designed with various colour codings associated with mechanical keying for easy mating with standard CMC headers.

The right-angle, 28-circuit, single-pocket CMC header mates with existing CMC connector series 64318 to offer customers a complete 28-circuit high-power connection system. Currently only Molex offer this 28-circuit interface to the general market.

Specific to this header is its hybrid terminal combination. Designed with 5 x 2.80mm CP terminals, the header is a competitive solution for high-current modules up to 21Amps, see PS-64318-001 for further details.

The compact header design provides a space-saving solution suitable for many sealed applications in transportation vehicles, especially those with challenging space requirements such as motorcycle engine control modules. For additional information on the CMC family visit: www.molex.com/product/cmc.html

FEATURES AND BENEFITS

- Mates with 28-circuit CMC female connector series 64318 in grey+ brown+ black coding
- Provides complete 28-circuit, high-current connection system
- Uses hybrid combination of 18x CP 0.635mm, 5x CP 1.50mm and 5x CP 2.80mm solder-mount terminals
- Suitable for high-current applications up to 21Amps
- Compact design
- Provides space-saving, high-power solution
- Plastic housing material is suitable for epoxy adhesion
- Facilitates standard gluing processes at module manufacturers
- Designed with standard Molex CMC header cut-out shape
- Allows easy mounting to modules

MARKETS AND APPLICATIONS

- Wire-to-board applications:
  - Body control module
  - Junction box
  - Engine control units
  - Industrial and agricultural control systems
  - Various actuators
  - Electronic brake system
  - Alternator/ generator
  - DC converters and power converters for hybrid applications
- Markets:
  - Cars
  - Motorcycles
  - Agricultural equipment
  - Trucks, pick-ups
  - Heavy goods vehicles
  - Buses
  - Marine
ADDITIONAL PRODUCT FEATURES

CMC 28-Circuit, High Current, Right-Angle Header

47745  28-circuit, right-angle header

Tab 2.80mm (x5)

Tab 1.50mm (x5)

Guide Plate

Long Pin 0.635mm (x13)

Short Pin 0.635mm (x5)

Housing

Exploded view

Mating 28-circuit CMC power connector, series 64318

Connector interface view

PCB mounting view

www.molex.com/product/cmce.html