



Part Number : [643183018](#)

Product Description : .635mm, 1.50mm, 2.80mm, Power CMC Connector, 28 Circuits, Right Wire Output, Gray Coding, Mat Sealed

Series Number : 64318

Status : Active

Product Category : Connector Housings

Documents & Resources

Drawings

[Drawing 643183018_sd.pdf](#)

3D Models and Design Files

[3D Model 643183018_stp.zip](#)

Specifications

[Application Specification AS-64318-002-001.pdf](#)

[Application Specification AS-64318-002-CH-001.pdf](#)

[Application Specification AS-64318-002-SP-001.pdf](#)


[Application Specification AS-98420-001-001.pdf](#)

[Application Specification AS-98420-001-CH-001.pdf](#)

[Product Specification PS-64321-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

[Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

[Multiple Part Industry Compliance Documents](#)

- IPC 1752A Class C

- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Connector Housings
Series	64318
Description	.635mm, 1.50mm, 2.80mm, Power CMC Connector, 28 Circuits, Right Wire Output, Gray Coding, Mat Sealed
Application	Automotive, Power, Wire-to-Board
Comments	Current tested on a fully loaded connector, current for temperature increase of 40°C; Current max = 21.0A for 2.80mm Terminal (5.00mm ² wire), 12.0A for 1.50mm Terminal (2.00mm ² wire), 2.5A for 0.635mm Terminal (0.75mm ² wire)
More Detailed Tech Information	Sealed, high-density, power, modular connecting system for Power Train and Body Electronics applications in cars, trucks, busses
Product Family	CMC and CMX Sealed, Hybrid, Modular Connectors
Product Name	CMC
UPC	883906135140

Physical

Circuits Detail	5x 2.8mm, 5 x 1.5mm, 18 x 0.635mm terminals
Circuits (maximum)	28
Color - Resin	Gray
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes

Material - Resin	Polyester
Net Weight	35.290/g
Number of Rows	3
Packaging Type	Carton
Panel Mount	No
Pitch - Mating Interface	2.54mm, 3.50mm, 6.75mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40° to +125°C

Solder Process Data

Lead-Free Process Capability	N/A
------------------------------	-----

Mates With / Use With

Mates with Part(s)

Description	Part Number
CMC Right-Angle Headers	<u>47745</u>

Use with Part(s)

Description	Part Number
CMC Wire Cap for 48 Circuits and 28 Circuits, CMC Receptacle Mat Sealed	<u>/content/molex/molex-dot-com/us/en/products/product-page.html/643201301.html</u>
CMC 0.635mm Blind Cavity Plug	<u>/content/molex/molex-dot-com/us/en/products/product-page.html/643251010.html</u>
CMC 1.50mm Blind Cavity Plug	<u>/content/molex/molex-dot-com/us/en/products/product-page.html/643251023.html</u>
CMC 2.80mm Blind Cavity Plug	<u>/content/molex/molex-dot-com/us/en/products/product-page.html/643251091.html</u>
CMC CP Female Terminals	<u>64322</u>
1.50mm CMC CP Female Terminals	<u>64323</u>
2.80mm CMC CP Female Terminals	<u>64324</u>

Application Tooling

Global

Description	Part Number
Continuity Test Pen Assembly	<u>638121100</u>
Unlocking Tool for CMC and CMX Receptacle Connector	<u>638241200</u>

This document was generated on Apr 30, 2024