



Part Number : [643203311](#)

Product Description : .635mm, 1.50mm, CMC Receptacle, 48 Circuits, Right Wire Output, Black Coding, Mat Sealed

Series Number : 64320

Status : Active

Product Category : Connector Housings



Documents & Resources

Drawings

[Drawing 643203311_sd.pdf](#)

3D Models and Design Files

[3D Model PDF 643203311.pdf](#)

[3D Model 643203311_stp.zip](#)

Specifications

[Application Specification AS-64319-002-001.pdf](#)

[Application Specification AS-64319-002-CH-001.pdf](#)

[Application Specification AS-64319-002-FR-001.pdf](#)

[Application Specification AS-64319-002-SP-001.pdf](#)

[Application Specification AS-98420-002-001.pdf](#)

[Application Specification AS-98420-002-CH-001.pdf](#)

[Application Specification AS-98420-002-FR-001.pdf](#)

[Application Specification AS-98420-002-SP-001.pdf](#)

[Packaging Specification PK-64320-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Duty-To-Declare
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)3788-DC (14 Jun 2023)
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	64320
Description	.635mm, 1.50mm, CMC Receptacle, 48 Circuits, Right Wire Output, Black Coding, Mat Sealed
Application	Automotive, Power, Wire-to-Board
Comments	Current tested on a 5 terminals loaded connector, current for temperature increase of 40°C; Current max = 6.0A for 0.635mm Terminal (0.75mm ² wire) and 12.0A for 1.50mm Terminal (2.00mm ² wire)
More Detailed Tech Information	Sealed, high-density, 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	883906134877

Electrical

Current - Maximum per Contact	12.0A, 2.5A
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Physical

Circuits Detail	8 x 1.5mm & 40 x 0.635mm terminals
Circuits (maximum)	48
Color - Resin	Black
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Polyester
Net Weight	35.680/g
Number of Rows	4
Packaging Type	Carton
Panel Mount	No
Pitch - Mating Interface	2.54mm, 3.70mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40° to +125°C

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
2.50mm, 3.50mm, 3.70mm CMC Header, Right-Angle, 48 Circuits, Black	<u>5007620481</u>
CMC Right-Angle Headers	<u>36638</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	/content/molex/molex-dot-com/us/en/products/product-page.html/643251010.html
CMC 1.50mm Blind Cavity Plug	/content/molex/molex-dot-com/us/en/products/product-page.html/643251023.html
CMC CP Female Terminals	64322
1.50mm CMC CP Female Terminals	64323

Application Tooling

Global

Description	Part Number
Continuity Test Pen Assembly	0638121100
Unlocking Tool for CMC and CMX Receptacle Connector	0638241200

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