



**Part Number :** [643203318](#)  
**Product Description :** .635mm, 1.50mm, CMC  
Receptacle, 48 Circuits, Right Wire Output,  
Gray Coding, Mat Sealed  
**Series Number :** 64320  
**Status :** Active  
**Product Category :** Connector Housings



## Documents & Resources


**Drawings**  
[643203318\\_sd.pdf](#)

**3D Models and Design Files**  
[643203318\\_stp.zip](#)

**Specifications**  
[AS-64319-002-001.pdf](#)  
[AS-64319-002-CH-001.pdf](#)  
[AS-64319-002-FR-001.pdf](#)  
[AS-64319-002-SP-001.pdf](#)  
[AS-98420-002-001.pdf](#)  
[AS-98420-002-CH-001.pdf](#)  
[AS-98420-002-FR-001.pdf](#)  
[AS-98420-002-SP-001.pdf](#)  
[PK-64320-001-001.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(2024)4144-DC (27 June 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

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## Part Details

### General

Status	Active
Category	Connector Housings
Series	64320
Description	.635mm, 1.50mm, CMC Receptacle, 48 Circuits, Right Wire Output, Gray 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 <sup>2</sup> wire) and 12.0A for 1.50mm Terminal (2.00mm <sup>2</sup> wire)
More Detailed Tech Information	Sealed, high-density, modular connecting system for Power Train and Body Electronics applications in cars, trucks, busses
Product Name	CMC
UPC	883906134891

### Physical

Circuits Detail	8 x 1.5mm & 40 x 0.635mm terminals
Circuits (maximum)	48
Color - Resin	Gray
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	Yes

Lock to Mating Part	Yes
Material - Resin	Polyester
Net Weight	35.700/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
Mates With	Please contact Molex for details

### Use with Part(s)

Description	Part Number
Wire Cap for Mat Sealed CMC Receptacle, 28 Circuits and 48 Circuits	<u>643201301</u>
CMC 0.635mm Blind Cavity Plug	<u>643251010</u>
CMC 1.50mm Blind Cavity Plug	<u>643251023</u>
0.635mm CMC CP Female Terminals	<u>64322</u>
1.50mm CMC CP Female Terminals	<u>64323</u>

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## Application Tooling

### Global

Description	Part Number
Continuity Test Pen Assembly	<u>638121100</u>

Unlocking Tool for CMC and CMX Receptacle Connector	<u>638241200</u>
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This document was generated on Oct 23, 2024