



**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



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## Documents and Resources

### Drawings

[643203318 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### 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](#)

[PS-64319-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

|            |   |
|------------|---|
| GADSL/IMDS | Compliant   |
| China RoHS |  per SJ/T 11365-2006 |

|                    |   |
|--------------------|---|
| EU ELV             | Compliant per 2000/53/EC  |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21  |
| REACH SVHC         | Contains<br>Dodecamethylcyclohexasiloxane;<br>Decamethylcyclopentasiloxane;<br>Octamethylcyclotetrasiloxane per<br>D(2025)7771-DC (04 Feb 2026) |
| EU RoHS            | Compliant per EU 2015/863   |

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

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

### Substances of Interest

- PFAS

### EU RoHS Certificate of Compliance

### Additional Product Compliance Information

## Part Details

### General

|             |  |
|-------------|--|
| Status      | Active   |
| Category    | Connector Housings   |
| Series      | 64320  |
| Description | .635mm, 1.50mm, CMC<br>Receptacle, 48 Circuits, Right Wire<br>Output, Gray Coding, Mat Sealed  |
| Application | Automotive, Power, Wire-to-<br>Board   |
| Comments    | Current tested on a 5 terminals<br>loaded connector, current for<br>temperature increase of 40°C;<br>Current max = 6.0A for 0.635mm<br>Terminal (0.75mm <sup>2</sup> wire) and |

|                                |   |
|--------------------------------|---|
|                                | 12.0A for 1.50mm Terminal<br>(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 | <a href="#"><u>643201301</u></a> |
| CMC 0.635mm Blind Cavity Plug                                       | <a href="#"><u>643251010</u></a> |
| CMC 1.50mm Blind Cavity Plug  | <a href="#"><u>643251023</u></a> |
| 0.635mm CMC CP Female Terminals                                     | <a href="#"><u>64322</u></a>     |
| 1.50mm CMC CP Female Terminals                                      | <a href="#"><u>64323</u></a>     |

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### Application Tooling

#### Global

| Description   | Part Number                      |
|---|----------------------------------|
| Unlocking Tool for CMC and CMX Receptacle Connector | <a href="#"><u>638241200</u></a> |

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