



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](#)

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

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 | Not Contained per D(2024)4144-DC (27 June 2024) |
| 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 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 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 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 |
|------------------------------|-----|

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> |

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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