



**Part Number :** [643211011](#)

**Product Description :** .635mm, 1.50mm, 2.80mm, CMC Receptacle, 53 Circuits, Left Wire Output, Black Coding, Mat Sealed

**Series Number :** 64321

**Status :** Active

**Product Category :** Connector Housings



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## Documents & Resources

### Drawings

[Drawing 643211011\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 643211011\\_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](#)


[Packaging Specification PK-98995-001-001.pdf](#)

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

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## 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)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

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## Part Details

### General

Status	Active
Category	Connector Housings
Series	64321
Description	.635mm, 1.50mm, 2.80mm, CMC Receptacle, 53 Circuits, Left Wire Output, Black 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 <sup>2</sup> wire), 12.0A for 1.50mm Terminal (2.00mm <sup>2</sup> wire), 2.5A for 0.635mm Terminal (0.75mm <sup>2</sup> 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	883906135164

### Electrical

Current - Maximum per Contact	12.0A, 2.5A, 21.0A
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### Physical

Circuits Detail	5x 2.8mm, 8 x 1.5mm, 40 x 0.635mm terminals
Circuits (maximum)	53

Color - Resin	Black
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Polyester
Net Weight	50.880/g
Number of Rows	5
Packaging Type	Carton
Panel Mount	No
Pitch - Mating Interface	2.54mm, 3.50mm, 7.00mm
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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#### Use with Part(s)

Description	Part Number
CMC Wire Cap for 53 Circuits, CMC Receptacle Mat Sealed	<a href="/content/molex/molex-dot-com/us/en/products/product-page.html/643211101.html">/content/molex/molex-dot-com/us/en/products/product-page.html/643211101.html</a>
CMC 0.635mm Blind Cavity Plug	<a href="/content/molex/molex-dot-com/us/en/products/product-page.html/643251010.html">/content/molex/molex-dot-com/us/en/products/product-page.html/643251010.html</a>
CMC 1.50mm Blind Cavity Plug	<a href="/content/molex/molex-dot-com/us/en/products/product-page.html/643251023.html">/content/molex/molex-dot-com/us/en/products/product-page.html/643251023.html</a>
CMC 2.80mm Blind Cavity Plug	<a href="/content/molex/molex-dot-com/us/en/products/product-page.html/643251091.html">/content/molex/molex-dot-com/us/en/products/product-page.html/643251091.html</a>
CMC CP Female Terminals	<a href="#">64322</a>
1.50mm CMC CP Female Terminals	<a href="#">64323</a>

#### Application Tooling

## Global

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

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