

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0643211018**  
**Status:** **Active**  
**Overview:** CMC and CMX Sealed, Hybrid, Modular Connectors  
**Description:** .635mm, 1.50mm, 2.80mm, CMC Receptacle, 53 Circuits, Left Wire Output, Gray Coding, Mat Sealed

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-64318-002-SP-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification AS-98420-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-98420-001-CH-001 (PDF)</a>
<a href="#">Product Specification PS-64321-001-001 (PDF)</a>	<a href="#">Application Specification AS-98420-001-FR-001 (PDF)</a>
<a href="#">Application Specification AS-64318-002-001 (PDF)</a>	<a href="#">Application Specification AS-98420-001-SP-001 (PDF)</a>
<a href="#">Application Specification AS-64318-002-CH-001 (PDF)</a>	<a href="#">Packaging Specification PK-98995-001-001 (PDF)</a>
<a href="#">Application Specification AS-64318-002-FR-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Application tooling part link**

Application Tooling Part Link 63812-1100  
 Application Tooling Part Link 63824-1200

**General**

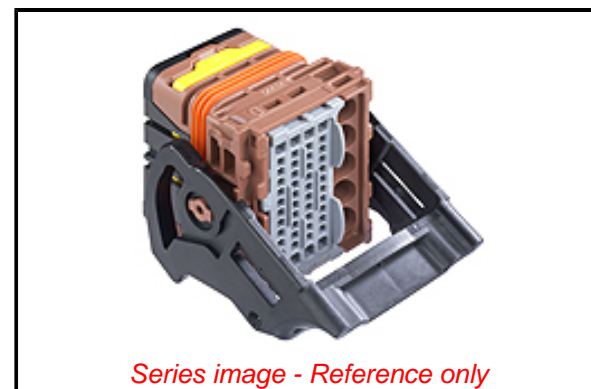
Product Family Crimp Housings  
 Series [64321](#)  
 Application Automotive, Power, Wire-to-Board  
 Comments \* Current tested on a fully loaded connector, current for temperature increase of 40°C. Current max = 21.0A for 2.80mm Terminal (5.0mm<sup>2</sup> wire), 12.0A for 1.50mm Terminal (2.00mm<sup>2</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

Overview [CMC and CMX Sealed, Hybrid, Modular Connectors](#)  
 Product Name CMC  
 UPC 883906135171

**Physical**

Circuits (maximum) 53  
 Circuits Detail 5x 2.8mm, 8 x 1.5mm, 40 x 0.635mm terminals  
 Color - Resin Gray  
 Gender Receptacle  
 Glow-Wire Capable No  
 Keying to Mating Part Yes  
 Lock to Mating Part Yes  
 Material - Resin Polyester  
 Net Weight 50.888/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



Series image - Reference only

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per - D(2021)4569-DC (8 July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

Green Image

Compliant

Not Contained

**Search Parts in this Series**

[64321 Series](#)

**Mates With**

Please contact Molex for details

**Use With**

CMC CP Female Terminal [64322](#) (0.635mm), [64323](#) (1.50mm) . CMC Wire Cap [643211101](#) . Sealing Plugs [643251010](#) , [643251023](#) , [643251091](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

Description	Product #
Continuity Test Pen Assembly	<a href="#">638121100</a>
Unlocking Tool for CMC and	<a href="#">638241200</a>

Temperature Range - Operating -40° to +125°C

CMX Receptacle  
Connector

**Electrical**

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

**Solder Process Data**

Lead-free Process Capability N/A

**Material Info**

**Reference - Drawing Numbers**

Application Specification AS-64318-002-001, AS-64318-002-CH-001,  
AS-64318-002-FR-001, AS-64318-002-SP-001,  
AS-98420-001-001, AS-98420-001-CH-001,  
AS-98420-001-FR-001, AS-98420-001-SP-001  
Packaging Specification PK-98995-001-001  
Product Specification PS-64321-001-001  
Sales Drawing SD-64321-001-001

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