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**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-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>
<a href="#">Application Specification AS-64318-002-SP-001 (PDF)</a>	

**Application tooling part link**

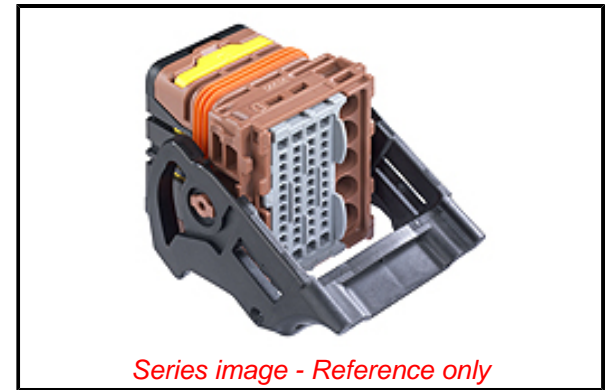
Application Tooling Part Link	63812-1100
Application Tooling Part Link	63824-1200

**General**

Product Family	Crimp Housings
Series	<a href="#">64321</a>
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) *, * 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	<a href="#">CMC and CMX Sealed, Hybrid, Modular Connectors</a>
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



Series image - Reference only

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/71/2019 (16 July 2019)

**Halogen-Free**

**Status**

**Not Relevant**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Not Relevant

Compliant

Not Contained

**Search Parts in this Series**

[64321](#) Series

**Mates With**

Please Contact Molex for Details

**Use With**

Female Terminals [64322 CP 0.635](#), [64323 CP 1.5](#). Circuit Way Plugs [643251010](#), [643251023](#), [643251091](#). CMC Wire Cap [643211101](#), [643251162](#), [643251175](#), [643251188](#), [643251196](#)

**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>

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

CMX Receptacle Connector
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**Electrical**

Current - Maximum per Contact	12.0A, 2.5A, 21.0A
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**Solder Process Data**

Lead-free Process Capability	N/A
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**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

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