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**Part Number:** [0643181018](#)  
**Status:** **Active**  
**Overview:** CMC and CMX Sealed, Hybrid, Modular Connectors  
**Description:** .635mm, 1.50mm, 2.80mm, Power CMC Connector, 28 Circuits, Left Wire Output, Gray Coding, Mat Sealed

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-98420-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-98420-001-FR (PDF)</a>
<a href="#">Product Specification PS-64321-001 (PDF)</a>	<a href="#">Application Specification AS-98420-001-SP (PDF)</a>
<a href="#">Application Specification AS-64318-002 (PDF)</a>	<a href="#">Packaging Specification PK-98994-001 (PDF)</a>
<a href="#">Application Specification AS-64318-002-FR (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification AS-64318-002-SP (PDF)</a>	

**General**

Product Family	Crimp Housings
Series	64318
Application	Power, Wire-to-Board
Application Tooling Part Link	63812-1100
Application Tooling Part Link	63824-1200
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
Overview	<a href="#">CMC and CMX Sealed, Hybrid, Modular Connectors</a>
Product Name	CMC
UPC	883906135119

**Physical**

Circuits (maximum)	28
Circuits Detail	5x 2.8mm, 5 x 1.5mm, 18 x 0.635mm terminals
Color - Resin	Gray
Gender	Female
Glow-Wire Compliant	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Polyester
Net Weight	35.290/g
Number of Rows	3
Packaging Type	Carton
Panel Mount	No
Pitch - Mating Interface	2.54mm, 3.50mm, 6.75mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40°C to +125°C

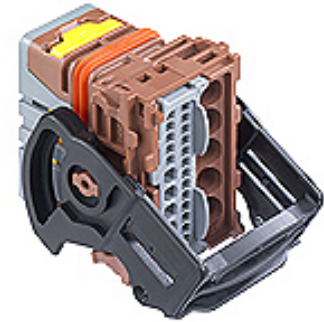
**Electrical**

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**



Series image - Reference only

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contains SVHC(2014 December 17): No

**Halogen-Free**

**Status**

**Not Relevant**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

**China RoHS**

Not Relevant

Compliant

**Search Parts in this Series**

[64318](#) Series

**Mates With**

[47745](#) CMC Header Please Contact Molex for Details

**Use With**

Female Terminals [64322](#) CP 0.635, [64323](#) CP 1.5, [64324](#) CP 2.8 . Circuit Way Plugs, [64325-1010](#) , [64325-1023](#) , [64325-1091](#) . CMC Wire Cap, [64320-1301](#) , [64325-1162](#) , [64325-1175](#) , [64325-1188](#) , Link :[64325-1196](#)

**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**

**Reference - Drawing Numbers**

Application Specification

Packaging Specification

Product Specification

Sales Drawing

AS-64318-002, AS-64318-002-FR, AS-64318-002-SP,  
AS-98420-001, AS-98420-001-FR, AS-98420-001-SP  
PK-98994-001  
PS-64321-001  
SD-64318-001

**Description****Product #**Continuity Test Pen 0638121100

Assembly

Unlocking Tool 0638241200

for CMC and

CMX Receptacle

Connector

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