

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

**Part Number:** [0643183018](#)  
**Status:** **Active**  
**Overview:** CMC and CMX Sealed, Hybrid, Modular Connectors  
**Description:** .635mm, 1.50mm, 2.80mm, Power CMC Connector, 28 Circuits, Right 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="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-98420-001-001 (PDF)</a>
<a href="#">3D Model (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="#">Datasheet (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	<a href="#">64318</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 (5.00mm <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) *

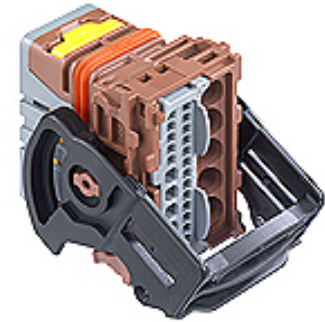
[More Detailed Tech Information](#)

**Overview**

Product Name	CMC and CMX Sealed, Hybrid, Modular Connectors
UPC	CMC 883906135140

**Physical**

Circuits (maximum)	28
Circuits Detail	5x 2.8mm, 5 x 1.5mm, 18 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	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



Series image - Reference only

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**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

**China RoHS**

Green Image

Compliant

Not Contained

**Search Parts in this Series**

[64318 Series](#)

**Mates With**

CMC Header [47745](#) - please contact Molex for details

**Use With**

CMC CP Female Terminal [64322](#) (0.635mm), [64323](#) (1.50mm), [64324](#) (2.80mm) . CMC Wire Cap [643201301](#) . 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>
------------------------------	---------------------------

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

**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  
Product Specification PS-64321-001-001  
Sales Drawing SD-64318-001-001

Unlocking Tool 638241200  
for CMC and  
CMX Receptacle  
Connector

This document was generated on 12/27/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Automotive Connectors](#) category:*

*Click to view products by [Molex](#) manufacturer:*

Other Similar products are found below :

[003-018-000](#) [60403001](#) [60993906-B](#) [M902-2131](#) [M902-2161](#) [72.330.1035.1](#) [73.353.4028.0](#) [F119300-B](#) [F166900](#) [F258300-B](#) [F358300-B](#)  
[F407400](#) [F444110](#) [F487000](#) [F509500B-B](#) [827153-1](#) [8N1515-32-24P](#) [9-1326729-8](#) [925474-1](#) [928905-1](#) [964562-4](#) [968782-1](#) [GT17SA-8DS-](#)  
[HU](#) [98891-1012](#) [98947-1016](#) [12004475-L](#) [12010290](#) [12010309-B](#) [12015454](#) [12020219-B](#) [12020308](#) [12041318-B](#) [12052225-L](#) [12052466](#)  
[12059125](#) [12064869](#) [12004327-B](#) [12010503-B](#) [12015308](#) [12015384](#) [12015909](#) [1-21030-1](#) [12041254](#) [12041318](#) [12047946-B](#) [12047957](#)  
[12047957-L](#) [12059473](#) [12066261](#) [12110546](#)