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Part Number: [0643181011](#)
Status: **Active**
Overview: CMC and CMX Sealed, Hybrid, Modular Connectors
Description: .635mm, 1.50mm, 2.80mm, Power CMC Receptacle, 28 Circuits, Left Wire Output, Black Coding, Mat Sealed

Documents:

3D Model	Application Specification AS-98420-001-001 (PDF)
3D Model (PDF)	Application Specification AS-98420-001-CH-001 (PDF)
Drawing (PDF)	Application Specification AS-98420-001-FR-001 (PDF)
Product Specification PS-64321-001-001 (PDF)	Application Specification AS-98420-001-SP-001 (PDF)
Application Specification AS-64318-002-001 (PDF)	Packaging Specification PK-98994-001-001 (PDF)
Application Specification AS-64318-002-CH-001 (PDF)	Datasheet (PDF)
Application Specification AS-64318-002-FR-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-64318-002-SP-001 (PDF)	

Application tooling part link

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

General

Product Family	Crimp Housings
Series	64318
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 (5.00mm² wire), 12.0A for 1.50mm Terminal (2.00mm² wire), 2.5A for 0.635mm Terminal(0.75mm² 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	883906135102

Physical

Circuits (maximum)	28
Circuits Detail	5x 2.8mm, 5 x 1.5mm, 18 x 0.635mm terminals
Color - Resin	Black
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



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Low-Halogen

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

China ROHS	Green Image
ELV	Compliant
RoHS Phthalates	Not Contained

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, [643251010](#) , [643251023](#) , [643251091](#) . CMC Wire Cap, [643201301](#) , [643251162](#) , [643251175](#) , [643251188](#) , [643 251196](#)

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 [638121100](#)
Assembly

Stackable	No	Unlocking Tool	<u>638241200</u>
Temperature Range - Operating	-40° to +125°C	for CMC and	
Electrical		CMX Receptacle	
Current - Maximum per Contact	12.0A, 2.5A, 21.0A	Connector	
Solder Process Data			
Lead-freeProcess 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-98994-001-001		
Product Specification	PS-64321-001-001		
Sales Drawing	SD-64318-001		

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