

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0643211019

Status:

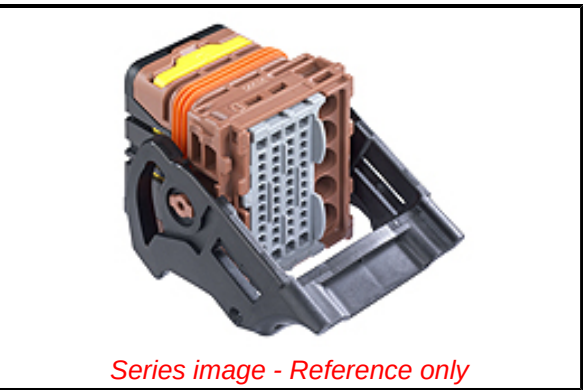
Active

Overview:

CMC and CMX Sealed, Hybrid, Modular Connectors

Description:

.635mm, 1.50mm, 2.80mm, CMC Receptacle, 53 Circuits, Left Wire Output, Brown Coding, Mat Sealed



Series image - Reference only

|                                                                     |                                                                     |
|---------------------------------------------------------------------|---------------------------------------------------------------------|
| 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="#">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 (5.0mm² 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                            | 883906135188                                                                                                                                                                                                                        |
| Physical                       |                                                                                                                                                                                                                                     |
| Circuits (maximum)             | 53                                                                                                                                                                                                                                  |
| Circuits Detail                | 5x 2.8mm, 8 x 1.5mm, 40 x 0.635mm terminals                                                                                                                                                                                         |
| Color - Resin                  | Brown                                                                                                                                                                                                                               |
| Gender                         | Receptacle                                                                                                                                                                                                                          |
| Glow-Wire Capable              | No                                                                                                                                                                                                                                  |
| Keying to Mating Part          | Yes                                                                                                                                                                                                                                 |
| Lock to Mating Part            | Yes                                                                                                                                                                                                                                 |
| Material - Resin               | Polyester                                                                                                                                                                                                                           |
| Net Weight                     | 50.860/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                                                                                                                                                                                                                                  |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV<br>Compliant                                           |               |
| EU RoHS<br>Compliant                                          | China RoHS    |
| REACH SVHC                                                    |               |
| Not Contained Per -<br>D(2021)4569-DC (8<br>July 2021)        |               |
| Halogen-Free<br>Status                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Compliant     |
| RoHS Phthalates                                               | 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.

| Description         | Product # |
|---------------------|-----------|
| Continuity Test Pen | 638121100 |
| Assembly            |           |
| Unlocking Tool      | 638241200 |
| for CMC and         |           |

|                                    |                                                                                                                                                                  |                          |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Temperature Range - Operating      | -40° to +125°C                                                                                                                                                   | CMX Receptacle Connector |
| <b>Electrical</b>                  |                                                                                                                                                                  |                          |
| Current - Maximum per Contact      | 12.0A, 2.5A, 21.0A                                                                                                                                               |                          |
| <b>Solder Process Data</b>         |                                                                                                                                                                  |                          |
| Lead-freeProcess Capability        | N/A                                                                                                                                                              |                          |
| <b>Material Info</b>               |                                                                                                                                                                  |                          |
| <b>Reference - Drawing Numbers</b> |                                                                                                                                                                  |                          |
| 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                                                                                                                                                 |                          |

This document was generated on 10/05/2021

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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[64321-1019](#)