Part Number : 643211018
Product Description : .635mm, 1.50mm, 2.80mm, CMC Receptacle, 53 Circuits, Left Wire Output, Gray Coding, Mat Sealed
Series Number : 64321
Status : Active
Product Category : Connector Housings



Documents & Resources

Drawings

643211018_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

AS-64318-002-001.pdf

AS-64318-002-CH-001.pdf

AS-64318-002-SP-001.pdf

AS-98420-001-001.pdf

AS-98420-001-CH-001.pdf

AS-98420-001-SP-001.pdf

AS-64318-002-FR-001.pdf

AS-98420-001-FR-001.pdf

PK-98995-001-001.pdf

PS-64321-001-001.pdf

PS-64321-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant
China RoHS	

	per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Dodecamethylcyclohexasiloxane; Decamethylcyclopentasiloxane; Octamethylcyclotetrasiloxane per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Connector Housings
Series	64321
Description	.635mm, 1.50mm, 2.80mm, CMC Receptacle, 53 Circuits, Left Wire Output, Gray Coding, Mat Sealed
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^2 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
Product Name	CMC
UPC	883906135171

Physical

Circuits Detail	5x 2.8mm, 8 x 1.5mm, 40 x 0.635mm terminals
Circuits (maximum)	53
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
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

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	Please contact Molex for details

Use with Part(s)

Description	Part Number
Wire Cap for CMC Mat Sealed Receptacle, 53 Circuits	643211101
CMC 0.635mm Blind Cavity Plug	643251010
CMC 1.50mm Blind Cavity Plug	643251023
CMC 2.80mm Blind Cavity Plug	643251091
0.635mm CMC CP Female Terminals	64322
1.50mm CMC CP Female Terminals	64323

Application Tooling

Global

Description	Part Number
Continuity Test Pen Assembly	638121100
Unlocking Tool for CMC and CMX Receptacle Connector	638241200