Part Number : 643191218
Product Description : .635mm, 1.50mm, CMC Receptacle, 32 Circuits, Left Wire Output, Gray Coding, Mat Sealed
Series Number : 64319
Status : Active
Product Category : Connector Housings



Documents & Resources

Drawings

643191218_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

AS-64319-002-001.pdf

AS-64319-002-CH-001.pdf

AS-64319-002-FR-001.pdf

AS-64319-002-SP-001.pdf

984200002-AS-KR-000.pdf

AS-98420-002-001.pdf

AS-98420-002-CH-001.pdf

AS-98420-002-FR-001.pdf

AS-98420-002-SP-001.pdf

PK-64319-001-001.pdf

PS-64319-001-001.pdf

PS-64319-002-001.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	Not 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	64319
Description	.635mm, 1.50mm, CMC Receptacle, 32 Circuits, Left Wire Output, Gray Coding, Mat Sealed
Application	Automotive, Power, Wire-to-Board
Comments	Current tested on a 5 terminals loaded connector, current for temperature increase of 40°C; Current max = 6.0A for 0.635mm

	Terminal (0.75mm^2 wire) and 12.0A for 1.50mm Terminal (2.00mm^2 wire)
More Detailed Tech Information	Sealed, high-density, modular connecting system for Power Train and Body Electronics applications in cars, trucks, busses
Product Name	CMC
UPC	883906129750

Physical

Circuits Detail	8 x 1.5mm & 24 x 0.635mm terminals
Circuits (maximum)	32
Color - Resin	Gray
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Polyester
Net Weight	29.426/g
Number of Rows	4
Packaging Type	Carton
Panel Mount	No
Pitch - Mating Interface	2.54mm, 3.70mm
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

CMC Header 112-circuit, 3-pocket, Solder Tail	643330100

Use with Part(s)

Description	Part Number
CMC Wire Cap for 32 Circuits, CMC Receptacle Mat Sealed	643191201
CMC 0.635mm Blind Cavity Plug	643251010
CMC 1.50mm Blind Cavity Plug	643251023
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