



Part Number : [643181011](#)

Product Description : .635mm, 1.50mm, 2.80mm,
Power CMC Receptacle, 28 Circuits, Left Wire Output,
Black Coding, Mat Sealed

Series Number : 64318

Status : Active

Product Category : Connector Housings



Documents & Resources

Drawings

[643181011_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](#)

[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	Not Contained 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	64318
Description	.635mm, 1.50mm, 2.80mm, Power CMC Receptacle, 28 Circuits, Left Wire Output, Black 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 (2.00mm ² wire), 2.5A for 0.635mm Terminal (0.75mm ² 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	883906135102

Physical

Circuits Detail	5x 2.8mm, 5 x 1.5mm, 18 x 0.635mm terminals
Circuits (maximum)	28
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
Stackable	No
Temperature Range - Operating	-40° to +125°C

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
CMC Right-Angle Headers	<u>47745</u>

Use with Part(s)

Description	Part Number
Wire Cap for Mat Sealed CMC Receptacle, 28 Circuits and 48 Circuits	<u>643201301</u>
CMC 0.635mm Blind Cavity Plug	<u>643251010</u>
CMC 1.50mm Blind Cavity Plug	<u>643251023</u>
CMC 2.80mm Blind Cavity Plug	<u>643251091</u>
0.635mm CMC CP Female Terminals	<u>64322</u>
1.50mm CMC CP Female Terminals	<u>64323</u>
2.80mm CMC CP Female Terminals	<u>64324</u>

Application Tooling

Global

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