



Part Number : [5022250801](#)
Product Description : 2.50mm, 3.50mm, 3.70mm
CMC Header, Right-Angle, 80 Circuits
Series Number : 502225
Status : Active
Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

[5022250801_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[PS-64319-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
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	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	PCB Headers and Receptacles
Series	502225
Description	2.50mm, 3.50mm, 3.70mm CMC Header, Right-Angle, 80 Circuits
Application	Automotive, Power, Wire-to-Board
Comments	Coding: 32w Black, 48w Brown
Component Type	PCB Header
Product Name	CMC
UPC	822350659871

Electrical

Current - Maximum per Contact	6.0A
Voltage - Maximum	14V DC

Physical

Breakaway	No
Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	20
First Mate / Last Break	Yes

Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	57.000/g
Number of Rows	4
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.60mm
Pitch - Mating Interface	2.50mm, 3.50mm, 3.70mm
Pitch - Termination Interface	2.50mm, 3.50mm, 3.70mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Closed Ends
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Solder or Weld

Solder Process Data

Max-Duration	25
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
.635mm, 1.50mm, CMC Receptacle,	<u>643193211</u>

32 Circuits, Right Wire Output, Black Coding, Mat Sealed	
.635mm, 1.50mm, CMC Receptacle, 48 Circuits, Left Wire Output, Brown Coding, Mat Sealed	<u>643201319</u>