



Part Number : [5007620481](#)
Product Description : 2.50mm, 3.50mm, 3.70mm CMC Header, Right-Angle, 48 Circuits, Black
Series Number : 500762
Status : Active
Product Category : PCB Headers and Receptacles




Documents & Resources

Drawings
[Drawing 5007620481_sd.pdf](#)

3D Models and Design Files
[3D Model 5007620481_stp.zip](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Duty-To-Declare
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	500762
Description	2.50mm, 3.50mm, 3.70mm CMC Header, Right-Angle, 48 Circuits, Black
Application	Automotive, Power, Wire-to-Board
Comments	Coding: Black
Component Type	PCB Header
Product Family	CMC and CMX Sealed, Hybrid, Modular Connectors
Product Name	CMC
UPC	822350664622

Electrical

Current - Maximum per Contact	12.0A, 2.5A
Voltage - Maximum	14V DC

Physical

Breakaway	No
Circuits Detail	8 x 1.5mm & 40 x 0.635mm terminals
Circuits (Loaded)	48
Circuits (maximum)	48
Color - Resin	Black
Durability (mating cycles max)	20
First Mate / Last Break	Yes
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes

Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	35.500/g
Number of Rows	4
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	3.60mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
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 +125°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, 48 Circuits, Left Wire Output, Black Coding, Mat Sealed	<u>643201311</u>
.635mm, 1.50mm, CMC Receptacle, 48 Circuits, Right Wire Output, Black Coding, Mat Sealed	<u>643203311</u>

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