



Part Number : [5600834801](#)

Product Description : CMC Header, 48-Way,
Vertical, 1 Port, Black Coding

Series Number : 560083

Status : Active

Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

[5600834801_sd.pdf](#)

[PK-560001-001-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

Specifications

[5600830000AS-000.pdf](#)

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

[PS-34870-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33; 3
China RoHS	per SJ/T 11365-2006
EU ELV	Compliant with Exemption 3 per 2000/53/EC
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant with Exemption 6(c) per

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 ComplianceAdditional Product Compliance Information**Part Details****General**

Status	Active
Category	PCB Headers and Receptacles
Series	560083
Description	CMC Header, 48-Way, Vertical, 1 Port, Black Coding
Application	Automotive, Power, Signal, Wire-to-Board
Comments	Coding: Black
Component Type	PCB Header
Product Name	CMC
UPC	887191547398

Electrical

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

Physical

Breakaway	No
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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	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	PBT
Net Weight	36.912/g
Number of Rows	4
Orientation	Vertical
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	4.00mm
Pitch - Mating Interface	2.50mm, 3.50mm, 3.70mm, 4.20mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Closed Ends
Stackable	No
Temperature Range - Operating	-40° to +125°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	3
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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