Part Number : 5018203231
Product Description : 2.50mm, 3.70mm CMC Header, Panel Mount, 32 Circuits, Black
Series Number : 501820
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

5018203231_sd.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

5018203231-AS-CH-000.pdf

5018203231-AS-EN-000.pdf

5018203231-PS-000.pdf

5018203231-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Duty-To-Declare
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

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- 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	501820
Description	2.50mm, 3.70mm CMC Header, Panel Mount, 32 Circuits, Black
Application	Automotive, Power, Wire-to-Board
Comments	Coding: Gray
Component Type	PCB Header
Product Name	CMC
UPC	191128916516

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	32
Circuits (maximum)	32
Color - Resin	Black
Durability (mating cycles max)	20

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First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Stainless Steel
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polybutylene Terephthalate (PBT)
Net Weight	41.150/g
Number of Rows	4
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.50mm, 3.70mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Solder or Weld

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