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 and 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)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC

Downloaded from Arrow.com.

- 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

Downloaded from Arrow.com.

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	No
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

Downloaded from Arrow.com.

.635mm, 1.50mm, CMC Receptacle, 32 Circuits, Right Wire Output, Black Coding, Mat Sealed	643193211
.635mm, 1.50mm, CMC Receptacle, 48 Circuits, Left Wire Output, Brown Coding, Mat Sealed	643201319

Downloaded from Arrow.com.