Part Number : 477450500
Product Description : 2.50mm, 3.50mm CMC Header, Right-Angle, 28 Position, 1 Port, Black, 2.90 Pin Length, Peg, Gray Coding
Series Number : 47745
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

477450500_sd.pdf

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

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	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
- 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	47745
Description	2.50mm, 3.50mm CMC Header, Right-Angle, 28 Position, 1 Port, Black, 2.90 Pin Length, Peg, Gray Coding
Application	Automotive, Wire-to-Board
Comments	Coding: Gray
Component Type	PCB Header
Product Name	CMC
UPC	191128155212

Electrical

Current - Maximum per Contact	12.0A, 2.5A, 21.0A
Voltage - Maximum	14V DC

Physical

Breakaway	No
Circuits (Loaded)	28
Circuits (maximum)	28
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	Brass

Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	36.389/g
Number of Rows	3
Orientation	Right Angle
Packaging Type	Carton
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.90mm
Pitch - Mating Interface	2.50mm, 3.50mm, 3.70mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Sealed	Sealed
Shrouded	Closed Ends
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Solder or Weld
Terminal Size	0.635, 1.5, 2.8