Part Number : 366380006
Product Description : 2.50mm, 3.50mm CMC Header, Right-Angle, 48 Position, 36 loaded, 1 Port, Black, Peg, Lead-Free
Series Number : 36638
Status : Not Recommended For New Design
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

PK-36638-001-001.pdf

PK-36638-003-001.pdf

Specifications

AS-36638-001-001.pdf

PS-36638-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
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
- 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	Not Recommended For New Design
Category	PCB Headers and Receptacles
Series	36638
Description	2.50mm, 3.50mm CMC Header, Right-Angle, 48 Position, 36 loaded, 1 Port, Black, Peg, Lead-Free
Application	Automotive, Power, Wire-to-Board
Comments	Carton Box Packing
Component Type	PCB Header
Product Name	CMC
UPC	822350926003

Electrical

Current - Maximum per Contact	6.0A
Voltage - Maximum	14V DC

Physical

Breakaway	No
Circuits Detail	6 x 1.5mm & 30 x 0.635mm terminals
Circuits (Loaded)	36
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
Mated Height	6.70mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	40.172/g
Number of Rows	4
Orientation	Right Angle
Packaging Type	Tray
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
Plating min - Mating	4.064µm
Plating min - Termination	4.064µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	6p - 30s
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +100°C
Termination Interface Style	Solder or Weld

Mates With / Use With

Mates with Part(s)

Description	Part Number
.635mm, 1.50mm, CMC Receptacle, 48 Circuits, Left Wire	643201311

Output, Black Coding, Mat Sealed	
.635mm, 1.50mm, CMC Receptacle, 36 Circuits, Left Wire Output, Black Coding, Mat Sealed, Row 1 Closed	643202311
.635mm, 1.50mm, CMC Receptacle, 48 Circuits, Right Wire Output, Black Coding, Mat Sealed	643203311
.635mm, 1.50mm, CMC Receptacle, 36 Circuits, Right Wire Output, Black Coding, Mat Sealed, Row 1 closed	643204311