



Part Number : [366380002](#)
Series Number : 36638
Status : Active - Proprietary
Product Category : PCB Headers and Receptacles



Drawings

[366380002_sd.pdf](#)
[PK-36638-001-001.pdf](#)
[PK-36638-003-001.pdf](#)
[Symbol and Footprint \(Multi-Format\)](#)

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	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 - Proprietary
Category	PCB Headers and Receptacles
Series	36638
Description	2.50mm, 3.50mm CMC Header, Right-Angle, 48 Position, 1 Port, Black, Peg, Lead-Free
Application	Automotive, Power, Wire-to-Board
Comments	Carton Box Packing
Component Type	PCB Header
Product Name	CMC
UPC	822350795654

Electrical

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

Physical

Breakaway	No
Circuits Detail	8 x 1.5mm & 40 x 0.635mm terminals
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
Mated Height	6.70mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	49.152/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	8p - 40s
Shrouded	Shrouded
Stackable	No
Temperature Range - Operating	-40° to +100°C
Termination Interface Style	Solder or Weld

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
.635mm, 1.50mm, CMC	<u>643201311</u>

Receptacle, 48 Circuits, Left Wire Output, Black Coding, Mat Sealed	
.635mm, 1.50mm, CMC Receptacle, 48 Circuits, Right Wire Output, Black Coding, Mat Sealed	<u>643203311</u>

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