

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0366380003](#)  
**Status:** **Active**  
**Overview:** CMC and CMX Sealed, Hybrid, Modular Connectors  
**Description:** 2.50mm, 3.50mm CMC Header, Right-Angle, 48 Position, 1 Port, Brown, Peg, Lead-Free

**Documents:**

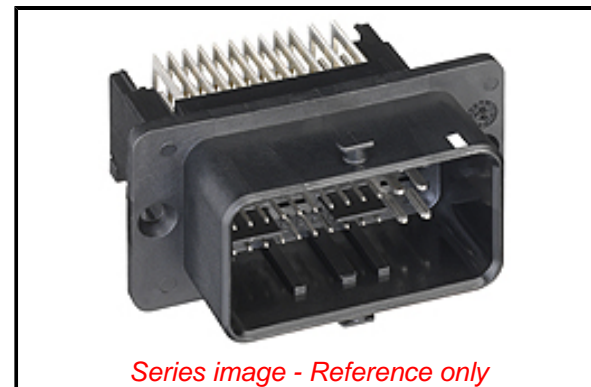
<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-36638-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-36638-003-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification PS-36638-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification AS-36638-001-001 (PDF)</a>	

**General**

Product Family	PCB Headers
Series	36638
Application	Automotive, Power, Wire-to-Board
Comments	Carton Box Packing
Overview	<a href="#">CMC and CMX Sealed, Hybrid, Modular Connectors</a>
Product Name	CMC
UPC	822350795692

**Physical**

(p)ower-(s)ignal Configuration	8p - 40s
Breakaway	No
Circuits (Loaded)	48
Circuits (maximum)	48
Circuits Detail	8 x 1.5mm & 40 x 0.635mm terminals
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	46.799/g
Number of Rows	4
Orientation	Right Angle
PC Tail Length	2.90mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Carton
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
Shrouded	Closed Ends
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +100°C



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[36638 Series](#)

**Mates With**

[CMC Receptacle 643201319](#) , [643203319](#)

Termination Interface: Style Solder or Weld

**Electrical**

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

**Solder Process Data**

Lead-free Process Capability N/A

**Material Info**

**Reference - Drawing Numbers**

Application Specification AS-36638-001-001  
Packaging Specification PK-36638-001-001, PK-36638-003-001  
Product Specification PS-36638-001-001  
Sales Drawing 366381000-000

This document was generated on 06/22/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[36638-0003](#)