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**Part Number:** [36638-0004](#)  
**Status:** **Active**  
**Overview:** [CMC Sealed, Hybrid, Modular Connectors and Headers](#)  
**Description:** 2.50mm, 3.50mm CMC Header, Right Angle, 48 Position, 1 Port, Black, Lead-Free

**Documents:**

[3D Model](#)  
[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

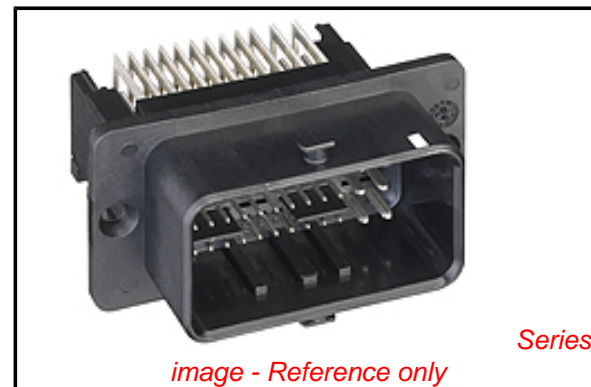
**General**

Product Family	PCB Headers
Series	<a href="#">36638</a>
Application	Power, Wire-to-Board
Comments	CARTON BOX PACKING
Overview	<a href="#">CMC Sealed, Hybrid, Modular Connectors and Headers</a>
Product Name	CMC
UPC	822350925983

**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 Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	No
Mated Height	6.70mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	49.111/g
Number of Rows	4
Orientation	Right Angle
PC Tail Length	2.90mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	2.00mm
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°C to +100°C
Termination Interface: Style	Through Hole

**Electrical**



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Low-Halogen Status**  
 Not Reviewed

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[36638Series](#)

**Mates With**

CMC Connectors [643201311](#) , [643203311](#)

**Use With**

CMC Connectors [643201311](#) , [643203311](#) , CMC CP Terminals [64322](#) , [64323](#) , CMC Blind Plug for CP Terminal [64325](#) , Wire Cap

Current - Maximum per Contact  
Voltage - Maximum

6A  
250V AC

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing

SD-36638-002

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