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**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:**

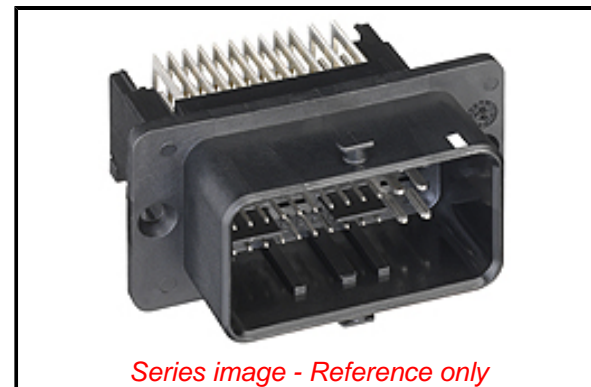
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|--|--|
| <a href="#">3D Model</a>   | <a href="#">Packaging Specification PK-36638-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification PK-36638-003 (PDF)</a> |
| <a href="#">3D Model (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 -  
ECHA\_01\_2020 (16  
January 2020

**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 Connectors [643201319](#) , [643203319](#)

**Use With**

CMC Connectors [643201311](#) , [643201319](#)  
 , CMC CP Terminals [64322](#) , [64323](#) , CMC  
 Blind Plug for CP Terminal [64325](#) , Wire Cap  
 [643191201](#)

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

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