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**Part Number:** [36638-0011](#)  
**Status:** **Active**  
**Overview:** CMC Sealed, Hybrid, Modular Connectors and Headers  
**Description:** 2.50mm, 3.50mm CMC Header, Right Angle, 96 Position, 96 loaded, 2 Port, Black and Brown, Lead-Free

**Documents:**

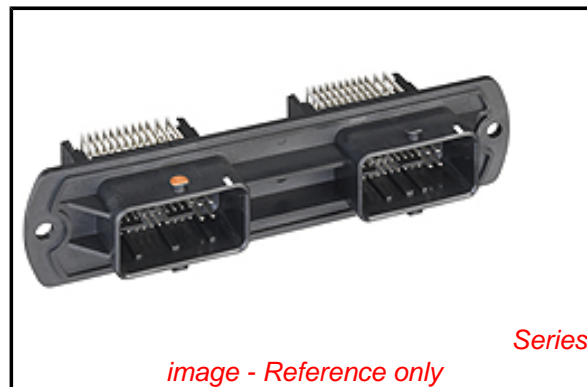
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">36638</a>                                     |
| Application    | Power, Wire-to-Board                                      |
| Comments       | CARTON BOX PACKING  |
| Overview       | <u>CMC Sealed, Hybrid, Modular Connectors and Headers</u> |
| Product Name   | CMC   |
| UPC            | 800756747576  |

**Physical**

|                                |                                     |
|--------------------------------|-------------------------------------|
| (p)ower-(s)ignal Configuration | 16p - 80s                           |
| Breakaway                      | No                                  |
| Circuits (Loaded)              | 96                                  |
| Circuits (maximum)             | 96                                  |
| Circuits Detail                | 16 x 1.5mm & 80 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                     | 116.842/g                           |
| Number of Rows                 | 4                                   |
| Orientation                    | Right Angle                         |
| PC Tail Length                 | 2.90mm                              |
| PCB Locator                    | No                                  |
| PCB Retention                  | None                                |
| PCB Thickness - Recommended    | 0.80mm, 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°C to +100°C                     |
| Termination Interface: Style   | Through Hole                        |



**EU RoHS**

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

**China RoHS**



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

**Search Parts in this Series**

[36638Series](#)

**Mates With**

CMC Receptacle Connector [643201319](#) ,  
[643203311](#)

**Use With**

CMC Receptacle Connector [643201319](#) ,  
[643203311](#) , CMC CP Terminals [64322](#) ,  
[64323](#) , CMC Blind Plug for CP Terminal  
[64325](#) , Wire Cap [643191201](#)

**Electrical**

Current - Maximum per Contact  
Voltage - Maximum

6A  
250V AC

**Material Info**

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