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**Part Number:** [502225-0801](#)  
**Status:** **Active**  
**Overview:** CMC and CMX Sealed, Hybrid, Modular Connectors  
**Description:** 2.50mm, 3.50mm, 3.70mm CMC Header, Right Angle, 80 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-64319-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">502225</a>   |
| Application    | Power, Wire-to-Board   |
| Comments       | Coding: 32w Black, 48w Brown                                   |
| Overview       | <a href="#">CMC and CMX Sealed, Hybrid, Modular Connectors</a> |
| Product Name   | CMC  |
| UPC            | 822350659871   |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 80                     |
| Circuits (maximum)             | 80                     |
| 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            | Yes                    |
| Material - Metal               | Copper Alloy           |
| Material - Plating Mating      | Tin                    |
| Material - Plating Termination | Tin                    |
| Net Weight                     | 59400.000/mg           |
| Number of Rows                 | 4                      |
| Orientation                    | Right Angle            |
| PCB Locator                    | Yes                    |
| PCB Retention                  | None                   |
| PCB Thickness - Recommended    | 1.60mm                 |
| Packaging Type                 | Tray                   |
| Pitch - Mating Interface       | 2.50mm, 3.50mm, 3.70mm |
| Pitch - Termination Interface  | 2.50mm, 3.50mm, 3.70mm |
| 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 +105°C        |
| Termination Interface: Style   | Solder or Weld         |

**Electrical**

|                               |        |
|-------------------------------|--------|
| Current - Maximum per Contact | 6A     |
| Voltage - Maximum             | 14V DC |

**Solder Process Data**

|  |                        |
|--|------------------------|
| Duration at Max. Process Temperature (seconds) | 25                     |
| Lead-free Process Capability                   | Wave Capable (TH only) |



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**

**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**

[502225Series](#)

**Mates With**

[64319-3211 CMC Connector](#), [64320-1319 CMC Connector](#)

**Use With**

[64319-3211 CMC Connector](#), [64320-1319 CMC Connector](#), [64322 Terminal](#), [64323 Terminal](#), [64320-1301 Wire Cap](#), [64319-1201 Wire Cap](#), [64325 Blind Plug](#)

|   |     |
|---|-----|
| Max. Cycles at Max. Process Temperature | 1   |
| Process Temperature max. C              | 260 |

### **Material Info**

### **Reference - Drawing Numbers**

|                       |                              |
|-----------------------|------------------------------|
| Product Specification | PS-64319-001, RPS-502225-002 |
| Sales Drawing         | SD-502225-001                |

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