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**Part Number:** [47745-0100](#)  
**Status:** **Active**  
**Overview:** CMC Sealed, Hybrid, Modular Connectors and Headers  
**Description:** 2.50mm, 3.50mm CMC Header, Right Angle, 28 Position, 1 Port, Black, Peg, Lead-Free

**Documents:**

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

**General**

Product Family	PCB Headers
Series	<a href="#">47745</a>
Application	Power, Wire-to-Board
Comments	Current tested on a fully loaded connector; current for temperature increase of 40°C. . CP 0.635mm terminals – max. 2.5A (0.75mm <sup>2</sup> wire). CP 1.50mm terminals – max. 12.0A (2.00mm <sup>2</sup> wire). CP 2.80mm terminals – max. 21.0A (5.00mm <sup>2</sup> wire)
Overview	<a href="#">CMC Sealed, Hybrid, Modular Connectors and Headers</a>
Product Name	CMC
UPC	887191161006

**Physical**

Breakaway	No
Circuits (Loaded)	28
Circuits (maximum)	28
Color - Resin	Black
Durability (mating cycles max)	20
First Mate / Last Break	Yes
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	36.292/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
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	Through Hole

**Electrical**

Current - Maximum per Contact	12A, 2.5A, 21A
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**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC Contains SVHC: No Low-Halogen Status Low-Halogen**

**China RoHS**



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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**

[47745Series](#)

**Mates With**

.635mm, 1.50mm, 2.80mm, Power CMC Receptacle [64318](#)

**Use With**

[64318](#) CMC Female, [64322](#) CP 0.6, [64323](#) CP 1.5, [64324](#) CP 2.8, [64320-1301](#) Wire Cap, [64325](#) Blind Plugs

Voltage - Maximum N/A

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	SD-47745-100
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