

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**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	34.992/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, 6A
-------------------------------	--------------------



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status 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**

[47745Series](#)

**Mates With**

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

**Use With**

[64318](#) CMC Power Receptacle. CMC CP Terminals [64322](#) , [64323](#) , [64324](#) . [64320-1301](#) CMC Wire Cap. [64325](#) CMC Blind Plug

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

This document was generated on 03/29/2013

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**