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**Part Number:** [0477450100](#)  
**Status:** **Active**  
**Overview:** CMC and CMX Sealed, Hybrid, Modular Connectors  
**Description:** 2.50mm, 3.50mm CMC Header, Right Angle, 28 Position, 1 Port, Black, Peg, Lead-Free

**Documents:**

[3D Model](#) [Packaging Specification PK-47745-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	<a href="#">47745</a>
Application	Power, Wire-to-Board
Comments	Coding: Black
Overview	<u>CMC and CMX Sealed, Hybrid, Modular Connectors</u>
Product Name	CMC
UPC	887191161006

**Physical**

Breakaway	No
Circuits (Loaded)	28
Circuits (maximum)	28
Circuits Detail	5x 2.8mm, 5 x 1.5mm, 18 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	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	Solder or Weld

**Electrical**

Current - Maximum per Contact	12.0A, 2.5A, 21.0A
Voltage - Maximum	14V DC

**Solder Process Data**



*Series image - Reference only*

**EU ELV**  
**Compliant**

**EU RoHS** **China RoHS**  
**Compliant**

**REACH SVHC**  
Not Contained Per  
-ED/01/2018 (15  
January 2018)

**Halogen-Free**  
**Status**

**Not Relevant**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Not Relevant
ELV	Compliant
RoHS Phthalates	Not Contained

**Search Parts in this Series**  
[47745 Series](#)

**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

Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-47745-001
Sales Drawing	SD-47745-100

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