



**Part Number :** [477450100](#)

**Product Description :** 2.50mm, 3.50mm CMC  
Header, Right-Angle, 28 Position, 1 Port, Black, Peg,  
Lead-Free

**Series Number :** 47745

**Status :** Active

**Product Category :** PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[477450100 sd.pdf](#)

[PK-47745-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)


[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

## Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Substances of Interest

- PFAS

## EU RoHS Certificate of Compliance

## Additional Product Compliance Information

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## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	47745
Description	2.50mm, 3.50mm CMC Header, Right-Angle, 28 Position, 1 Port, Black, Peg, Lead-Free
Application	Automotive, Power, Wire-to-Board
Comments	Coding: Black
Component Type	PCB Header
Product Name	CMC
UPC	887191161006

### Electrical

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

### Physical

Breakaway	No
Circuits Detail	5x 2.8mm, 5 x 1.5mm, 18 x 0.635mm terminals
Circuits (Loaded)	28
Circuits (maximum)	28
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	3
Orientation	Right Angle
Packaging Type	Carton
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.90mm
Pitch - Mating Interface	2.50mm, 3.50mm, 3.70mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Closed Ends
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Solder or Weld

### Solder Process Data

Max-Duration	10
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	260

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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number

Power CMC Receptacles	<u>64318</u>
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**Use with Part(s)**

Description	Part Number
Wire Cap for Mat Sealed CMC Receptacle, 28 Circuits and 48 Circuits	<u>643201301</u>
Power CMC Receptacles	<u>64318</u>
0.635mm CMC CP Female Terminals	<u>64322</u>
1.50mm CMC CP Female Terminals	<u>64323</u>
2.80mm CMC CP Female Terminals	<u>64324</u>
CMC Blind Cavity Plugs and Single Wire Seals	<u>64325</u>