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**Part Number:** [0989971002](#)  
**Status:** **Active**  
**Overview:** CMC and CMX Sealed, Hybrid, Modular Connectors  
**Description:** CMC Right-Angled Header, 0.64mm/1.50mm/2.80mm, 53 Circuit

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	<a href="#">98997</a>
3D Viewer	Yes
Application	Automotive, Power, Wire-to-Board
CURRENT-MAX-NUMERIC	12.0, 2.5, 21.0
Comments	Coding: Black, Coding: Black
Overview	<a href="#">CMC and CMX Sealed, Hybrid, Modular Connectors</a>
PITCH-MATING-NUMERIC	0.64, 1.50, 2.80
Product Name	CMC
UPC	883906342159

**Physical**

Breakaway	No
Circuits (Loaded)	53
Circuits (maximum)	53
Circuits Detail	40 x 0.635mm 8 x 1.50mm 5 x 2.80mm
Color - Resin	Black
Durability (mating cycles max)	20
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	53.400/g
Number of Rows	4
Orientation	Right Angle
PC Tail Length	3.35mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Carton
Pitch - Mating Interface	0.64mm, 1.50mm, 2.80mm
Pitch - Termination Interface	0.64mm, 1.50mm, 2.80mm
Plating min - Mating	0.102µm
Plating min - Termination	0.102µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Solder or Weld

**Electrical**



*Series image - Reference only*

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Not Relevant**

For more information, please visit [Contact US](#)

China ROHS

Not Relevant

ELV

Compliant

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[98997 Series](#)

**Mates With**

[643211011](#) Left Wire Output, Black Coding, Mat Sealed, [643212011](#) Right Wire Output, Black Coding, Mat Sealed

**Use With**

[643211011](#) Left Wire Output, Black Coding, Mat Sealed, [643212011](#) Right Wire Output, Black Coding, Mate Sealed, [64322 CP](#) 0.635mm Terminal, [64323 CP](#) 1.50mm Terminal, [64324 CP](#) 2.80mm Terminal

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	025
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	SD-98997-001
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