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Part Number: [0039299209](#)

Status: **Active**

Overview: [Mini-Fit Family Power Connectors](#)

Description: Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 20 Circuits, with Snap-in Plastic Peg PCB Lock, Gold, Natural

Documents:

[3D Model \(PDF\)](#)

[Drawing \(PDF\)](#)

[3D Model](#)

[Product Specification PS-5556-001-001 \(PDF\)](#)

[Application Specification AS-5557-001-001 \(PDF\)](#)

[Packaging Specification PK-5566-001-001 \(PDF\)](#)

[Test Summary TS-5556-002-001 \(PDF\)](#)

[Test Summary TS-5566-002-001 \(PDF\)](#)

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

Agency Certification

CSA LR19980

UL E29179

General

Product Family PCB Headers

Series [5566](#)

Application Power, Wire-to-Board

Comments The 5566 header should be used with standard Mini-Fit female terminals. If increased amperage of up to 13A per circuit is needed, please consider using the Mini-Fit Plus HCS family 45750 terminals with 46015 headers; See Molex Product specification PS-5666-001 for current de-rating information.

[Mini-Fit Family Power Connectors](#)

Mini-Fit Jr.

PCB Headers and Receptacles

UPC 800754377843

Physical

Breakaway No

Circuits (Loaded) 20

Circuits (maximum) 20

Color - Resin Natural

Durability (mating cycles max) 30

First Mate / Last Break No

Flammability 94V-0

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 Gold

Material - Plating Termination Matte Tin

Material - Resin Nylon

Net Weight 4.020/g

Number of Rows 2

Orientation Vertical

PC Tail Length 3.50mm

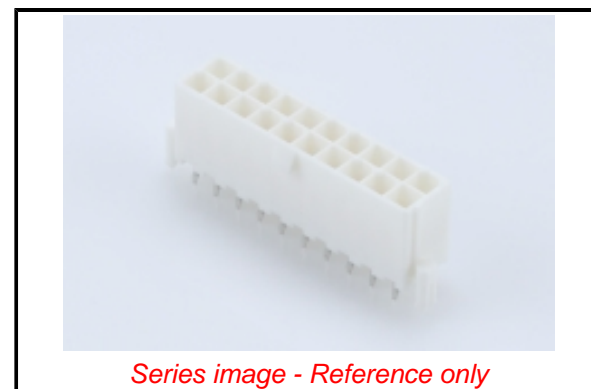
PCB Locator Yes

PCB Retention Yes

PCB Thickness - Recommended 1.60mm

Packaging Type Tray

Pitch - Mating Interface 4.20mm



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[5566 Series](#)

Mates With

[5557](#) Mini-Fit Jr. Receptacle Housing, Mini-Fit TPA2 Receptacle Housing [172708](#)

Pitch - Termination Interface	4.20mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	9.0A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240

Material Info

Engineering Number	5566-20A2GS-210
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Reference - Drawing Numbers

Application Specification	AS-5557-001-001
Packaging Specification	PK-5566-001-001
Product Specification	PS-5556-001-001
Sales Drawing	55660021-SD-000
Test Summary	TS-5556-002-001, TS-5566-002-001

This document was generated on 10/07/2022

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