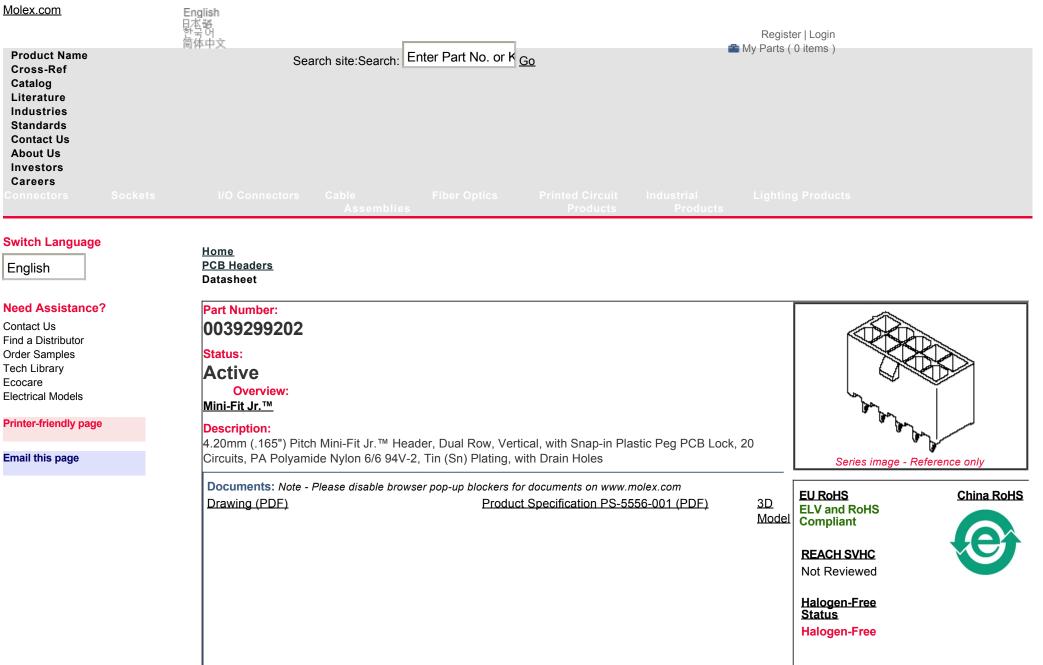
### Molex Connector Part Number - 0039299202



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance,  $\underline{\textit{click here}}$ 

Please visit the <u>Contact Us</u> section for any nonproduct compliance questions.

Search Parts in this Series

Mates With

<u>5557</u> Mini-Fit Jr.™ Receptacle Housing

Order Products:

#### Part Detail: (show all)

GeneralPhysicalElectricalAgency CertificationSolder Process DataMaterial InfoReference - Drawing Numbers

#### General

Product Family	PCB Headers
Series	<u>5566</u>
Application	Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with <u>45750</u> Mini-Fit Plus HCS™ Crimp Terminal Crimpted to to 16 AWG wire. See Molex product specification PS-45750-001 for additional current de-rating information. High Temperature, Square Pin, Solder Type
Overview	<u>Mini-Fit Jr.™</u>
Product Name	Mini-Fit Jr.™

# Molex Connector Part Number - 0039299202

Physical	
Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Compliant	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
Material - Resin	Nylon
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.138 In
PC Tail Length (mm)	3.50 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.165 In
Pitch - Mating Interface (mm)	4.20 mm
Pitch - Term. Interface (in)	0.165 ln
Pitch - Term. Interface (mm)	4.20 mm
Plating min: Mating (µin)	35
Plating min: Mating (µm)	0.90
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

## Molex Connector Part Number - 0039299202

Electrical(Please review the Product Species	fication for specific details.)
Current - Maximum per Contact	13A
Voltage - Maximum	600V
Agency Certification	
CSA	LR19980
TUV	R72081037
UL	E29179
Solder Process Data	
Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	240
Material Info	
Old Part Number	A-5566-20B2
Reference - Drawing Numbers	
Product Specification	PS-5556-001
Sales Drawing	SDA-5566-N*2*-*

