# molex

Part Number: 39301222

Product Description: Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 22 Circuits, PA Polyamide Nylon 6/6 94V-0, 0.76µm Select Gold (Au) Plating

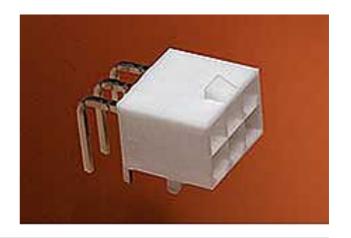
Series Number: 5569

Status: Active

**Product Category: PCB Headers and** 

Receptacles

Engineering Number: 5569-22A2G-210



#### **Documents & Resources**

#### **Drawings**

Drawing 039301222\_sd.pdf

#### 3D Models and Design Files

3D Model 039301222\_stp.zip

Symbol Footprint Data SYM-39-30-1220-001.zip

# **Specifications**

Application Specification AS-5557-001-001.pdf Packaging Specification PK-5569-002-001.pdf Product Specification PS-45750-001-001.pdf Product Specification PS-5556-001-001.pdf Test Summary TS-5556-002-001.pdf

# **Product Environment Compliance**

#### Compliance

GADSL/IMDS	Not Relevant
China RoHS	<b>©</b>
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

# Multiple Part Industry Compliance Documents

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

# **EU RoHS Certificate of Compliance**

#### **Part Details**

#### General

Status	Active
Status	Active
Category	PCB Headers and Receptacles
Series	5569
Description	Mini-Fit Jr. Header, Dual Row, Right- Angle, with Snap-in Plastic Peg PCB Lock, 22 Circuits, PA Polyamide Nylon 6/6 94V-0, 0.76µm Select Gold (Au) Plating
Application	Power, Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini- Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire. See Molex Product specification PS- 5556-001 for additional current de- rating information.
Component Type	PCB Header
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Jr.
UPC	822350227919

# Agency

CSA	LR19980
UL	E29179

#### **Electrical**

13.0A	er Contact	Current - Maximum
	i Contact	Current - Maximum

Voltage - Maximum	600V
Voltage Maximum	0001

# Physical

Breakaway	No
Circuits (Loaded)	22
Circuits (maximum)	22
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	7.582/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Bag
PC Tail Length	3.60mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm
Pitch - Mating Interface	4.20mm
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
Temperature Range - Operating	-40° to +105°C

Termination Interface Style	Through Hole
remination meet according	1111 3 4 6 1 1 1 3 1 5

#### **Solder Process Data**

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	240

# Mates With / Use With

# Mates with Part(s)

Description	Part Number
Mini-Fit TPA2 and Mini-Fit Sigma Terminal Position Assurance (TPA) Retainers	<u>172709</u>
Mini-Fit Jr. Receptacle Housings	<u>5557</u>

This document was generated on Dec 09, 2023