

Part Number: 39301140

Product Description: Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 14 Circuits, Nylon 6/6 94V-2, 2.54µm

Matte Tin (Sn) Plating, Natural, Bag

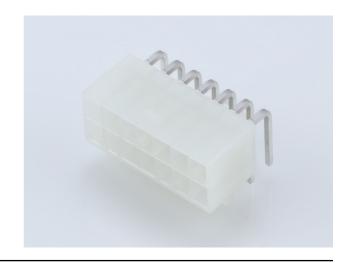
Series Number: 5569

**Status:** Active

**Product Category: PCB Headers and** 

Receptacles

**Engineering Number:** 5569-14A2



#### **Documents & Resources**

### **Drawings**

<u>Drawing 039301140\_sd.pdf</u> Packaging Design Drawing SPK-5569-NA2-001.pdf

#### 3D Models and Design Files

3D Model 039301140\_stp.zip Symbol Footprint Data SYM-39-30-1140-001.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	Compliant with Exemption 44; 33
China RoHS	<b>©</b>
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
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
Category	PCB Headers and Receptacles
Series	5569
Description	Mini-Fit Jr. Header, Dual Row, Right- Angle, with Snap-in Plastic Peg PCB Lock, 14 Circuits, Nylon 6/6 94V-2, 2.54µm Matte Tin (Sn) Plating, Natural, Bag
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 derating information.
Component Type	PCB Header
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Jr.
UPC	800754379564

# Agency

CSA	LR19980
UL	E29179

# Electrical

Current - Maximum per Contact	13.0A
Voltage - Maximum	600V AC (RMS)/DC

# Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
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	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
Net Weight	5.104/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	2.540μm
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

### **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 Dual Row Receptacle Housings	<u>172708</u>
Mini-Fit Jr. Receptacle Housings	<u>5557</u>

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