



Part Number : 1727081006

Series Number : 172708

Product Category : Connector Housings

Product Description : Mini-Fit Sigma
Receptacle Housing, 4.20mm Pitch, Dual Row,
Glow-Wire Capable, 6 Circuits

Status : Active

Documents & Resources

Drawings

Drawing 1727081006_sd.pdf
1727080002-PK-000.pdf

3D Models and Design Files

3D Model 1727081006_stp.zip

Specifications

Application Specification 2131370000-AS-000.pdf
Product Specification 2029880002-PS-000.pdf
Product Specification 2131370000-PS-000.pdf
Test Summary 2131370001-TS-000.pdf
Test Summary 2131370002-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not 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	Connector Housings
Series	172708
Description	Mini-Fit Sigma Receptacle Housing, 4.20mm Pitch, Dual Row, Glow-Wire Capable, 6 Circuits
Application	Power, Wire-to-Board, Wire-to-Wire
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Sigma
UPC	191130138296

Agency

UL	E29179
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Physical

Circuits (maximum)	6
Color - Resin	Black
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	Yes
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	1.647/g
Number of Rows	2
Packaging Type	Bag
Panel Mount	No

Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Polarized to Mating Part	Yes
Temperature Range - Operating	-40° to +105°C

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
Mini-Fit Sigma Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Glow-Wire Capable, 6 Circuits	<u>1727621006</u>
Mini-Fit Sigma Plug Housing, 4.20mm Pitch, Dual Row, Panel Mount, UL 94V-0, Glow-Wire Capable, 6 Circuits	<u>1727673006</u>
Mini-Fit Vertical Dual Row Headers	<u>172447</u>
Mini-Fit Jr. Right-Angle Dual Row Headers	<u>172448</u>
Mini-Fit 4.20mm Pitch Dual Row Right-Angle Headers	<u>35317</u>
Mini-Fit 4.20mm Pitch Dual Row Right-Angle Headers	<u>35318</u>
Mini-Fit Jr. Vertical Dual Row Headers	<u>43460</u>
Mini-Fit Jr. Right-Angle Dual Row Headers	<u>44130</u>
Mini-Fit Jr. Vertical, Dual Row, Reflow Solder Capable Headers	<u>46207</u>
Mini-Fit Jr. Right-Angle Dual Row Reflow Solder Capable Headers	<u>46991</u>
Mini-Fit Jr. Vertical Headers	<u>5566</u>
Mini-Fit Jr. Right-Angle Headers	<u>5569</u>
Mini-Fit Jr. Dual Row Headers	<u>87427</u>

Use with Part(s)

Description	Part Number
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Mini-Fit Sigma Terminal Position Assurance (TPA) Retainer, 4.20mm Pitch, UL 94V-0, Glow-Wire Capable, 3 Circuits, Natural	/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/1727092003.html
Mini-Fit TPA2/Sigma Female Crimp Terminals	<u>172718</u>
Mini-Fit TPA2/Sigma Female Crimp Terminals	<u>202988</u>
Pre-Crimped Lead Mini-Fit Sigma Female-to-Mini-Fit Sigma Female	<u>219670</u>
Pre-Crimped Lead Mini-Fit Sigma Female-to-Pigtail	<u>219671</u>
Mini-Fit TPA2/Sigma Female Low Mating Force Crimp Terminals	<u>221442</u>