Part Number : 1727081006

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

Series Number : 172708

Status : Active

Product Category : Connector Housings

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(2023)8585-DC (23 Jan 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

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

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

Use with Part(s)

Description	Part Number

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.html/1727092003.html
Mini-Fit TPA2/Sigma Female Crimp Terminals	172718
Mini-Fit TPA2/Sigma Female Crimp Terminals	202988
Pre-Crimped Lead Mini-Fit Sigma Female-to-Mini-Fit Sigma Female	219670
Pre-Crimped Lead Mini-Fit Sigma Female-to-Pigtail	219671