Part Number : 1727080010
Product Description : Mini-Fit TPA2 Receptacle Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 10 Circuits
Series Number : 172708
Status : Active
Product Category : Connector Housings



Documents and Resources

Drawings

1727080010_sd.pdf

PK-172708-0000-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

AS-172718-0000-001.pdf

1727180002-TS-000.pdf

1727180003-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

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Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Connector Housings
Series	172708
Description	Mini-Fit TPA2 Receptacle Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 10 Circuits
Application	Wire-to-Board, Wire-to-Wire
Comments	See product specification for current derating information.
Component Type	Receptacle
Product Name	Mini-Fit TPA2
UPC	889056178082

Agency

UL	E29179

Physical

Circuits (maximum)	10
Color - Resin	Black
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	No
Lock to Mating Part	Yes

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Material - Resin	Nylon
Net Weight	1.843/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
Stackable	No
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 TPA2 and Mini-Fit Sigma Dual Row Plug Housings	172762
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Plug Housings	172767
Mini-Fit Jr. Plug Housings	5559
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

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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
Mini-Fit Sigma Sealed Dual Row Plug Housings	207017
Mini-Fit Jr. Dual Row Test Plugs	44281

Use with Part(s)

Description	Part Number
Mini-Fit TPA2 Terminal Position Assurance (TPA) Retainer, 4.20mm Pitch, UL 94V-0, Low-Halogen, 5 Circuits, White	1727090005
Mini-Fit TPA2/Sigma Female Crimp Terminals	172718
Mini-Fit TPA2/Sigma Female Crimp Terminals	202988
Pre-Crimped Lead Mini-Fit Sigma/ TPA2 Female-to-Mini-Fit Sigma/ TPA2 Female	219670
Pre-Crimped Lead Mini-Fit Sigma/ TPA2 Female-to-Pigtail	219671
Mini-Fit TPA2/Sigma Female Low Mating Force Crimp Terminals	221442
Mini-Fit TPA2 Connector Position Assurance (CPA) Retainers	203603

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