molex



Part Number : 39000089
Product Description : Mini-Fit Female Crimp Terminal, Gold (Au) over Brass, 16 AWG, Reel
Series Number : 5556
Status : Active
Product Category : Crimp Terminals
Engineering Part Number : 5556GS3
Packaging Alternative : 39000090 (Bag)

Documents and Resources

Drawings

039000089_sd.pdf

55560001-PK-000.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

55560001-AS-000.pdf

55560002-AS-000.pdf

AS-58696-004-001.pdf

55560002-PS-CH-000.pdf

55560002-PS-ES-000.pdf

55560002-PS-SK-000.pdf

55560008-TS-000.pdf

PS-5556-001-001.pdf

PS-5556-002-001.pdf

PS-58691-004-001.pdf

55560001-TS-000.pdf

55560010-TS-000.pdf

TS-5556-002-001.pdf

Product Environment Compliance

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Compliance

GADSL/IMDS	Compliant with Exemption 34; 33; 44
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

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	Crimp Terminals
Series	5556
Description	Mini-Fit Female Crimp Terminal, Gold (Au) over Brass, 16 AWG, Reel
Application	Power, Wire-to-Board, Wire-to-Wire
Product Name	Mini-Fit
UPC	800754394895

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Electrical

Current - Maximum per Contact	9.0A
Voltage - Maximum	600V

Physical

Durability (mating cycles max)	30
Gender	Female
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	228.000/mg
Packaging Type	Reel
Plating min - Mating	0.762µm
Plating min - Termination	0.762µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.80-3.10mm
Wire Size (AWG)	16
Wire Size mm^2	N/A

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Use with Part(s)

Description	Part Number
Mini-Fit Jr. Receptacle Housings	5557
Mini-Fit BMI Dual Row Receptacle Housings	44516
Mini-Fit BMI Dual Row Receptacle Housings	42474
Mini-Fit BMI Dual Row Receptacle Housings	43760
Mini-Fit Jr. Dual Row Receptacle Housings	46992

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Application Tooling

Global

Description	Part Number
Extraction Tool for Mini-Fit Jr. Terminals	11030044
Hand Crimp Tool for Mini-Fit Jr. Male and Female Crimp Terminals, 16 AWG	2002182200
FineAdjust Applicator for Insulation OD 2.20-2.45mm, 16 AWG	639039400
FineAdjust Applicator for Insulation OD 2.60-3.15mm, 16 AWG	639041400
FineAdjust Applicator for Insulation OD 1.80-2.20mm, 16 AWG	639041500
FineAdjust Crimp Applicator for Mini-Fit Crimp Terminals, 22+20, 20+20 and 22+18 AWG, UL 1007 Wires Only	2037022100
FineAdjust Crimp Applicator for Mini-Fit Crimp Terminals, 22+20, 20+20 and 22+18 AWG, UL 1061 Wires Only	2037022200

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