molex



Part Number : 39000139
Product Description : Mini-Fit Female Crimp Terminal, Selective Gold (Au) and Selective Tin (Sn) over Nickel (Ni), 28-22 AWG, Reel
Series Number : 5556
Status : Active
Product Category : Crimp Terminals
Engineering Number : 5556GS8
Packaging Alternative : 39000140 (Bag)

Documents & Resources

Drawings

039000139_sd.pdf

55560001-PK-000.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

55560001-AS-000.pdf

55560002-AS-000.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

55560001-TS-000.pdf

55560010-TS-000.pdf

TS-5556-002-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
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)4165-DC (25 June 2025)
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, Selective Gold (Au) and Selective Tin (Sn) over Nickel (Ni), 28-22 AWG, Reel
Application	Power, Wire-to-Board, Wire-to-Wire
Product Name	Mini-Fit
UPC	800753827127

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	115.701/mg
Packaging Type	Reel
Plating min - Mating	1.270µm
Plating min - Termination	2.540µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	0.90-1.80mm
Wire Size (AWG)	22, 24, 26, 28
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

Application Tooling

Global

Description	Part Number
PremiumGrade Hand Crimp Tool for Mini-Fit Jr. Male and Female Terminals, 28-22 AWG	638191000
FineAdjust Applicator for Insulation Diameter 1.30-1.50mm, 28-22 AWG Wire	639002700
FineAdjust Applicator for Insulation OD 1.10-1.30mm - 28-22 AWG	639020200
FineAdjust Applicator for Insulation OD 0.95-1.08mm - 28-22 AWG	639023800
T2 Terminator for Insulation OD 1.30-1.50mm, 28-22 AWG	639102700
T2 Terminator for insulation OD 1.10-1.30mm - 28-22 AWG	639120200
T2 Terminator for Insulation Diameter 0.95-1.08mm, 28-22 AWG	639123800