molex



Part Number : 39000221
Product Description : Mini-Fit Male Crimp Terminal, 0.76µm Selective Gold (Au) Plated Phosphor Bronze, 28-22 AWG, Reel
Series Number : 5558
Status : Active
Product Category : Crimp Terminals
Engineering Part Number : 5558PBGS2
Packaging Alternative : 39000222 (Bag)

Documents and Resources

Drawings

039000221_sd.pdf

55580001-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

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	Not Relevant

Downloaded from Arrow.com.

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	5558
Description	Mini-Fit Male Crimp Terminal, 0.76µm Selective Gold (Au) Plated Phosphor Bronze, 28-22 AWG, Reel
Application	Wire-to-Wire
Product Name	Mini-Fit
UPC	800754396417

Electrical

Current - Maximum per Contact	9.0A

Downloaded from Arrow.com.

Voltage - Maximum	600V

Physical

Durability (mating cycles max)	30
Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	120.822/mg
Packaging Type	Reel
Plating min - Mating	0.760µm
Plating min - Termination	2.032µm
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. Plug Housings	5559
Mini-Fit BMI Dual Row Plug Housings	42475
Mini-Fit Jr. Dual Row Plug Housings	46993

Application Tooling

Global

Description	Part Number
PremiumGrade Hand Crimp Tool	638191000

Downloaded from Arrow.com.

for Mini-Fit Jr. Male and Female Terminals, 28-22 AWG	
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

Downloaded from Arrow.com.