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Part Number: **0039000038**
Status: **Active**
Overview: Mini-Fit Family Power Connectors
Description: Mini-Fit Female Crimp Terminal, Tin (Sn) over Copper (Cu) Plated Brass, 18-24, 22+22 AWG, Reel

Documents:

Drawing (PDF)	Packaging Specification SPK-5556-001-001 (PDF)
Product Specification 55560002-PS-CH-000 (PDF)	Packaging Specification SPK-5556-001-002 (PDF)
Product Specification 55560002-PS-ES-000 (PDF)	Packaging Specification SPK-5556-001-003 (PDF)
Product Specification 55560002-PS-SK-000 (PDF)	Test Summary 55560000-TS-000 (PDF)
Product Specification 55560008-TS-000 (PDF)	Test Summary 55560010-TS-000 (PDF)
Product Specification PS-5556-001-001 (PDF)	Test Summary TS-5556-002-001 (PDF)
Product Specification PS-5556-002-001 (PDF)	Datasheet (PDF)
Application Specification 55560001-AS-000 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification 55560001-PK-000 (PDF)	

General

Product Family	Crimp Terminals
Series	5556
Application	Power, Wire-to-Board, Wire-to-Wire
Crimp Quality Equipment	Yes
Overview	Mini-Fit Family Power Connectors
Packaging Alternative	39000039 (Loose)
Product Name	Mini-Fit
UPC	800753585010

Physical

Durability (mating cycles max)	30
Gender	Female
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.182/g
Packaging Type	Reel
Plating min - Mating	0.889µm
Plating min - Termination	0.889µm
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.30-3.10mm
Wire Size AWG	18, 20, 22, 22+22, 24
Wire Size mm ²	N/A

Electrical

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

Solder Process Data

Lead-freeProcess Capability	N/A
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Material Info

Engineering Number	5556T
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Reference - Drawing Numbers

Application Specification	55560001-AS-000
Packaging Specification	55560001-PK-000, SPK-5556-001-001, SPK-5556-001-002, SPK-5556-001-003



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Compliant

Not Contained

Search Parts in this Series

5556 Series

Use With

Mini-Fit Jr. Receptacle Housing [5557](#)

Mini-Fit BMI Slide and Lock Panel
Mount [44516](#)
Mini-Fit BMI Panel Mount
Receptacle Housing
 [42474](#) , [43760](#)

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description

Product #

Extraction Tool for Mini-Fit Jr. Terminals	11030044
FineAdjust Applicator for Mini-Fit Double Crimp Applications	2037026300
Using Two 22 AWG Wires	

Product Specification

Sales Drawing
Test Summary

55560002-PS-CH-000, 55560002-PS-ES-000,
55560002-PS-SK-000, 55560008-TS-000,
PS-5556-001-001, PS-5556-002-001
55560000-SD-000
55560000-TS-000, 55560010-TS-000,
TS-5556-002-001

PremiumGrade Hand638190901
Crimp Tool for Mini-
Fit Jr. Male and
Female Terminals,
18-24 AWG

FineAdjust 639015600

Applicator for 18-20

AWG and 18-24

AWG Wires with

Insulation Diameter

1.90-2.30mm

FineAdjust Applicator639023900

for Insulation OD

1.40-1.70mm - 18-24

AWG

FineAdjust Applicator639024800

for Insulation OD

2.50-2.95mm

Optimized for 18

AWG Only

FineAdjust Applicator639024900

for Insulation OD

2.30-2.60mm - 18-24

AWG

FineAdjust Applicator639047800

for Insulation OD

2.50-2.95mm, 18-24

AWG

FineAdjust Applicator639048000

for Insulation OD

1.65-2.05mm, 18-24

AWG

T2 Terminator 639115600

for insulation OD

1.90-2.30mm - 18-24

AWG

T2 Terminator 639123900

for insulation OD

1.40-1.70mm - 18-24

AWG

T2 Terminator 639124800

for insulation OD

2.50-2.95mm

optimized for 18

AWG only

T2 Terminator 639124900

for insulation OD

2.30-2.60mm - 18-24

AWG

T2 Terminator 639147800

for Mini-Fit Crimp

Terminals, 18-24

AWG with Large

Insulation ODs

T2 Terminator 639148000

for Mini-Fit Crimp

Terminals, 18-24

AWG with Smaller

Insulation ODs

Japan

Description

Product #

Applicator for M211A 570223000

Bench Press, 18-24

AWG Wire

S-1 Applicator 570223700
for Mini-Fit Plug
and Receptacle
Terminals, 18-24
AWG, UL1007 Wires
S-1 Applicator 570223710
for Mini-Fit Plug
and Receptacle
Terminals, 18-24
AWG, UL1015 Wires
Hand Extraction Tool 570316000

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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[39-00-0038 \(Mouser Reel\)](#) [39-00-0038 \(Cut Strip\)](#)