



Part Number : [39000046](#)

Series Number : 5556

Product Category : Crimp Terminals

Packaging Alternative : [39000047](#) (Bag)

Product Description : Mini-Fit Female Crimp Terminal, Tin (Sn) over Copper (Cu) Plated Brass, 28-22 AWG, Reel

Status : Active

Engineering Number : 5556T2

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## Documents & Resources

### Drawings

[Drawing 039000046\\_sd.pdf](#)

[Packaging Design Drawing 55560001-PK-000.pdf](#)

### Specifications

[Application Specification 55560001-AS-000.pdf](#)

[Product Specification 55560002-PS-CH-000.pdf](#)

[Product Specification 55560002-PS-ES-000.pdf](#)

[Product Specification 55560002-PS-SK-000.pdf](#)

[Product Specification 55560008-TS-000.pdf](#)

[Product Specification PS-5556-001-001.pdf](#)

[Product Specification PS-5556-002-001.pdf](#)

[Test Summary 55560000-TS-000.pdf](#)

[Test Summary 55560010-TS-000.pdf](#)

[Test Summary TS-5556-002-001.pdf](#)

### Tooling Specifications


[Crimp Specification CS-5556X2\\_5558X2-031.pdf](#)

[Crimp Specification CS-5556X2\\_5558X2-032.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

## Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

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

## EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	Crimp Terminals
Series	5556
Description	Mini-Fit Female Crimp Terminal, Tin (Sn) over Copper (Cu) Plated Brass, 28-22 AWG, Reel
Application	Power, Wire-to-Board, Wire-to-Wire
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit
UPC	800753627710

#### Electrical

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

#### Physical

Durability (mating cycles max)	30
Gender	Female
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	165.000/mg
Packaging Type	Reel

Plating min - Mating	0.889µm
Plating min - Termination	0.889µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	0.90-1.80mm
Wire Size (AWG)	22, 24, 26, 28
Wire Size mm <sup>2</sup>	N/A

### Solder Process Data

Lead-Free Process Capability	N/A
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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
KK 396 Vertical Breakaway Headers	<u><a href="#">41661</a></u>
KK 396 Right-Angle Breakaway Headers	<u><a href="#">41662</a></u>
KK 396 Vertical Square Pin Breakaway Headers	<u><a href="#">41671</a></u>
KK 396 Right-Angle Friction Lock Breakaway Headers	<u><a href="#">41672</a></u>
KK 396 Vertical Headers with Friction Lock	<u><a href="#">41791</a></u>
KK 396 Right-Angle Headers with Friction Lock	<u><a href="#">41792</a></u>

#### Use with Part(s)

Description	Part Number
Pre-Crimped Lead KK Plus 396 Female-to-KK Plus 396 Female, Tin (Sn) Plating, 150.00mm Length, 18 AWG, Black	<u><a href="/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582145.html">/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582145.html</a></u>
Pre-Crimped Lead KK Plus 396 Female-to-KK Plus 396 Female, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Black	<u><a href="/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582146.html">/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582146.html</a></u>
KK 396 Female Crimp Terminals	<u><a href="#">2478</a></u>
KK 396 Female Crimp Terminals	<u><a href="#">2578</a></u>
Female Crimp Terminals for 3.96mm Pitch Housings	<u><a href="#">45570</a></u>

KK Trifurcon Female Crimp Terminals	<u>6838</u>
KK Trifurcon Female Crimp Terminals	<u>7258</u>

## Global

Description	Part Number
Extraction Tool for Mini-Fit Jr. Terminals	<u>11030044</u>
PremiumGrade Hand Crimp Tool for Mini-Fit Jr. Male and Female Terminals, 28-22 AWG	<u>638191000</u>
FineAdjust Applicator for Insulation Diameter 1.30-1.50mm, 28-22 AWG Wire	<u>639002700</u>
FineAdjust Applicator for Insulation OD 1.10-1.30mm - 28-22 AWG	<u>639020200</u>
FineAdjust Applicator for Insulation OD 0.95-1.08mm - 28-22 AWG	<u>639023800</u>
T2 Terminator for Insulation OD 1.30-1.50mm, 28-22 AWG	<u>639102700</u>
T2 Terminator for insulation OD 1.10-1.30mm - 28-22 AWG	<u>639120200</u>
T2 Terminator for Insulation Diameter 0.95-1.08mm, 28-22 AWG	<u>639123800</u>

## Japan

Description	Part Number
S-1 Applicator for Mini-Fit Plug and Receptacle Terminals, 28-22 AWG	<u>570223720</u>
Hand Extraction Tool	<u>570316000</u>