



**Part Number :** [02091615](#)

**Product Description :** 2.36mm Diameter, Standard .093" Pin and Socket Crimp Terminal, Series 42477, Female, with Tin (Sn) Plated Contact, High Current/Low Engagement Force, 18-14 AWG, Reel

**Series Number :** 42477

**Status :** Active

**Product Category :** Crimp Terminals

**Engineering Number :** 42477-0005



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## Documents & Resources

### Drawings

[002091615\\_sd.pdf](#)

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

[PS-42477-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 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)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

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## Part Details

### General

Status	Active
Category	Crimp Terminals
Series	42477
Description	2.36mm Diameter, Standard .093" Pin and Socket Crimp Terminal, Series 42477, Female, with Tin (Sn) Plated Contact, High Current/Low Engagement Force, 18-14 AWG, Reel
Application	Power, Wire-to-Wire
Comments	High Current/Low Force
Product Name	Standard .093"
UPC	800753684393

### Electrical

Current - Maximum per Contact	17.0A
Voltage - Maximum	250V AC (RMS)

### Physical

Durability (mating cycles max)	25
Gender	Female
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin

Net Weight	0.417/g
Packaging Type	Reel
Plating min - Mating	0.508µm
Plating min - Termination	0.508µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	3.56mm max.
Wire Size (AWG)	14, 16, 18
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

#### Use with Part(s)

Description	Part Number
Use With	Standard .093 Plug or Receptacle Housings

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### Application Tooling

#### Global

Description	Part Number
Insertion Tool for Standard .093" Pin and Socket Terminals	<u>11020003</u>
Extraction Tool for Standard .093" Pin and Socket Terminals	<u>11030006</u>
PremiumGrade Hand Crimp Tool for Standard .093" Pin and Socket Terminals 18-14 AWG and 30-24 AWG and Claspcon Crimp Terminal Socket 30-24 AWG	<u>638117100</u>
Extractor Tool for .093 and HCS-125 Product Series	<u>638240200</u>
T2 Terminator for 2.00mm Pitch Wire-to-Board Crimp Terminal	<u>639124600</u>

T2 Terminator Die	<u>639124700</u>
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