



Part Number : [02092611](#)

Product Description : 2.36mm Diameter, Standard .093" Pin and Socket Crimp Terminal, Series 42478, Male, with Tin (Sn) Plated Contact, High Current/Low Engagement Force, 18-14 AWG, Reel

Series Number : 42478

Status : Active

Product Category : Crimp Terminals

Engineering Part Number : 42478-0001



Documents and Resources

Drawings

[002092611_sd.pdf](#)

[STEP AP242](#)

[SOLIDWORKS](#)


[Creo](#)

Specifications

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

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)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	42478
Description	2.36mm Diameter, Standard .093" Pin and Socket Crimp Terminal, Series 42478, Male, 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	800753684409

Electrical

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

Physical

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

Net Weight	0.414/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 ²	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

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>