

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0002092611](#)  
**Status:** **Active**  
**Overview:** Standard .093" Pin and Socket Connectors  
**Description:** 2.36mm Diameter, Standard .093" Pin and Socket Crimp Terminal, Series 42478, Male, with Tin (Sn) Plated Contact, High Current/Low Engagement Force, 14-18 AWG, Reel

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-42477-001 \(PDF\)](#)

**General**

|                         |  |
|-------------------------|--|
| Product Family          | Crimp Terminals  |
| Series                  | <a href="#">42478</a>                                    |
| Application             | Power, Wire-to-Wire                                      |
| Comments                | High Current/Low Force                                   |
| Crimp Quality Equipment | Yes  |
| Overview                | <a href="#">Standard .093" Pin and Socket Connectors</a> |
| Product Name            | Standard .093"   |
| Taxonomy                | Crimp Terminals  |
| UPC                     | 800753684409   |

**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 <sup>2</sup>      | N/A                  |

**Electrical**

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

**Solder Process Data**

|                              |     |
|------------------------------|-----|
| Lead-free Process Capability | N/A |
|------------------------------|-----|

**Material Info**

|                    |            |
|--------------------|------------|
| Engineering Number | 42478-0001 |
|--------------------|------------|

**Reference - Drawing Numbers**

|                       |                                      |
|-----------------------|--------------------------------------|
| Product Specification | PS-42477-001                         |
| Sales Drawing         | SD-42478-XXXX-001, SD-42478-XXXX-002 |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[42478 Series](#)

**Use With**

Standard .093 Plug or Receptacle Housings

**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 #                 |
|---|---------------------------|
| Insertion Tool for Standard .093" Pin and Socket Terminals  | <a href="#">11020003</a>  |
| Extraction Tool for Standard .093" Pin and Socket Terminals | <a href="#">11030006</a>  |
| PremiumGrade Hand Crimp Tool for Standard .093"             | <a href="#">638117100</a> |

Pin and Socket  
Terminals 14-18  
AWG and 24-30  
AWG and Claspcn  
Crimp Terminal  
Socket 24-30 AWG  
Extractor Tool 638240200  
for .093 and  
HCS-125 Product  
Series  
FineAdjust Applicator639024600  
for .093" Pin and  
Socket Terminals  
FineAdjust Applicator639024700  
for 2.63mm Pin and  
Socket Terminal  
T2 Terminator for 639124600  
2.00mm Pitch Wire-  
to-Board Crimp  
Terminal  
T2 Terminator Die 639124700

This document was generated on 08/27/2022

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**