



**Part Number :** [02091117](#)  
**Product Description :** 2.36mm Diameter,  
Standard .093" Pin and Socket Crimp Terminal, Series  
1381, Female, with Tin (Sn) Plated Brass Contact, 22-18  
AWG, Reel  
**Series Number :** 1381  
**Status :** Active  
**Product Category :** Crimp Terminals  
**Engineering Number :** 1381-A(P901)  
**Packaging Alternative :** [02091119](#) (Bag)



## Documents & Resources

### Drawings

[002091117 sd.pdf](#)  
[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)

### Specifications

[PS-43660-9999-001.pdf](#)  
[11890000-TS-000.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)4165-DC<br>(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

## Part Details

### General

|              |                                                                                                                                         |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Status       | Active                                                                                                                                  |
| Category     | Crimp Terminals                                                                                                                         |
| Series       | 1381                                                                                                                                    |
| Description  | 2.36mm Diameter, Standard .093" Pin and Socket Crimp Terminal, Series 1381, Female, with Tin (Sn) Plated Brass Contact, 22-18 AWG, Reel |
| Application  | Power, Wire-to-Wire                                                                                                                     |
| Product Name | Standard .093"                                                                                                                          |
| UPC          | 800753746312                                                                                                                            |

### Physical

|                                |            |
|--------------------------------|------------|
| Durability (mating cycles max) | 25         |
| Gender                         | Female     |
| Material - Metal               | Brass      |
| Material - Plating Mating      | Tin        |
| Material - Plating Termination | Tin        |
| Net Weight                     | 384.000/mg |
| Packaging Type                 | Reel       |
| Plating min - Mating           | 0.508µm    |
| Plating min - Termination      | 0.508µm    |

|                             |                      |
|-----------------------------|----------------------|
| Termination Interface Style | Crimp or Compression |
| Wire Insulation Diameter    | 1.52-3.05mm          |
| Wire Size (AWG)             | 18, 20, 22           |
| Wire Size mm <sup>2</sup>   | N/A                  |

### Solder Process Data

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

### Mates With / Use With

#### Use with Part(s)

| Description                                                 | Part Number                 |
|-------------------------------------------------------------|-----------------------------|
| Standard .093" Pin and Socket Dual Row Connector Housings   | <a href="#"><u>1261</u></a> |
| Standard .093" Pin and Socket 3 Row Connector Housings      | <a href="#"><u>1292</u></a> |
| Standard .093" Pin and Socket Single Row Connector Housings | <a href="#"><u>1396</u></a> |
| Standard .093" Pin and Socket Single Row Connector Housings | <a href="#"><u>1490</u></a> |
| Standard .093" Pin and Socket Single Row Connector Housings | <a href="#"><u>1545</u></a> |
| Standard .093" Pin and Socket Single Row Connector Housings | <a href="#"><u>1619</u></a> |

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### Application Tooling

#### Global

| Description                                                           | Part Number                      |
|-----------------------------------------------------------------------|----------------------------------|
| Insertion Tool for Standard .093" Pin and Socket Terminals            | <a href="#"><u>11020003</u></a>  |
| Extraction Tool for Standard .093" Pin and Socket Terminals           | <a href="#"><u>11030006</u></a>  |
| Extractor Tool for .093 and HCS-125 Product Series                    | <a href="#"><u>638240200</u></a> |
| Hand Crimp Tool for Standard .093" Pin and Socket Crimp Terminals, 18 | <a href="#"><u>638280900</u></a> |

| AWG                                                                                                                                     |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Hand Crimp Tool for .093" Pin and Socket Crimp Terminals, 22 AWG                                                                        | <u>638281400</u> |
| Hand Crimp Tool for Standard .093" Pin and Socket Crimp Terminals, 20 AWG                                                               | <u>638281700</u> |
| Mini-Mac Applicator for Standard .093" Pin and Socket Terminals, for 22-18 AWG Wire with Insulation Diameter no greater than 2.29mm MAX | <u>638924000</u> |
| Mini-Mac Applicator for Standard .093" Pin and Socket Terminals, for 22-18 AWG Wire with Insulation Diameter no greater than 3.05mm MAX | <u>638927000</u> |