



**Part Number :** [2214421241](#)  
**Product Description :** Mini-Fit TPA2/Sigma Female  
Low Mating Force Crimp Terminal, Copper Alloy, Post-  
Plated Tin (Sn), 16 AWG, 1.98-2.55mm Insulation  
Diameter, Reel  
**Series Number :** 221442  
**Status :** Active  
**Product Category :** Crimp Terminals



## Documents and Resources

### Drawings

- [2214421241 sd.pdf](#)
- [2214420000-PK-000.pdf](#)
- [STEP AP242](#)
- [SOLIDWORKS](#)
- [Creo](#)

### Specifications

- [PS-172718-0000-001.pdf](#)
- [2131370000-PS-000.pdf](#)
- [1727180001-TS-000.pdf](#)
- [2131370001-TS-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                            |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                            |
| Low-Halogen Status | Not 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

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## Part Details

### General

|              |                                                                                                                                               |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Status       | Active                                                                                                                                        |
| Category     | Crimp Terminals                                                                                                                               |
| Series       | 221442                                                                                                                                        |
| Description  | Mini-Fit TPA2/Sigma Female Low Mating Force Crimp Terminal, Copper Alloy, Post-Plated Tin (Sn), 16 AWG, 1.98-2.55mm Insulation Diameter, Reel |
| Application  | Power, Wire-to-Wire, Wire-to-Board                                                                                                            |
| Product Name | Mini-Fit Sigma,Mini-Fit TPA2                                                                                                                  |
| UPC          | 198282439035                                                                                                                                  |

### Electrical

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 11.5A      |
| Voltage - Maximum             | 600V AC/DC |

### Physical

|                                |              |
|--------------------------------|--------------|
| Durability (mating cycles max) | 30           |
| Gender                         | Female       |
| Material - Metal               | Copper Alloy |

|                                |                      |
|--------------------------------|----------------------|
| Material - Plating Mating      | Tin                  |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 0.192/g              |
| Packaging Type                 | Reel                 |
| Plating min - Mating           | 1.250µm              |
| Plating min - Termination      | 2.500µm              |
| Termination Interface Style    | Crimp or Compression |
| Wire Insulation Diameter       | 1.98-2.55mm          |
| Wire Size (AWG)                | 16                   |
| Wire Size mm <sup>2</sup>      | N/A                  |

## Mates With / Use With

### Use with Part(s)

| Description                                                     | Part Number   |
|-----------------------------------------------------------------|---------------|
| Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings   | <u>172708</u> |
| Mini-Fit TPA2 and Mini-Fit Sigma Single Row Receptacle Housings | <u>200453</u> |

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## Application Tooling

### Global

| Description                                                                                                 | Part Number       |
|-------------------------------------------------------------------------------------------------------------|-------------------|
| FineAdjust Applicator for Mini-Fit TPA2 Crimp Terminals, 16 AWG wires                                       | <u>639036700</u>  |
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 16 AWG, Large and Small Insulation Grips | <u>2002181700</u> |

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