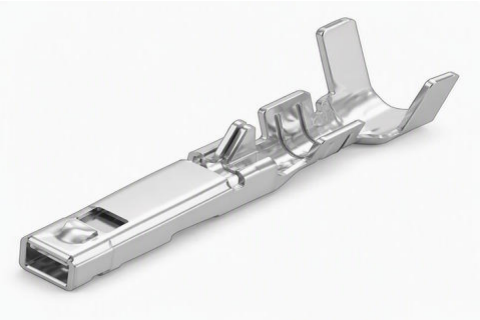
**Part Number :** 505978010
**Product Description :** CP-6.5 Wire-to-Wire Crimp Terminal, Female, 20-16 AWG, Reel
**Series Number :** 50597
**Status :** Active
**Product Category :** Crimp Terminals
**Packaging Alternative :** 505978110 (Bag)



## Documents and Resources

### Drawings

505978010_sd.pdf

505978010-PK-000.pdf

STEP AP242

SOLIDWORKS

Creo

### Specifications

2034380001-PS-000.pdf

2034380001-TS-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34 |
| 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

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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 | 50597 |
| Description | CP-6.5 Wire-to-Wire Crimp Terminal, Female, 20-16 AWG, Reel |
| Application | Wire-to-Wire |
| Comments | See Product Specification for maximum current rating by circuit size and wire AWG |
| Product Name | CP-6.5 |
| UPC | 193264088799 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 12.5A |
| Voltage - Maximum | 600V AC (RMS)/DC |

### Physical

| | |
|---|---|
| Durability (mating cycles max) | 30 |
| Gender | Female |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Net Weight | 270.200/mg |

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| | |
|---|---|
| Packaging Type | Reel |
| Termination Interface Style | Crimp or Compression |
| Wire Insulation Diameter | 2.00-3.30mm |
| Wire Size (AWG) | 16, 18, 20 |
| Wire Size $mm^2$ | N/A |

## Mates With / Use With

### Use with Part(s)

| Description | Part Number |
|---|---|
| CP-6.5 Dual Row Receptacle Housings | 151207 |

## Application Tooling

## Global

| Description | Part Number |
|---|---|
| Hand Crimp Tool for CP-6.5 Wire-to-Wire Crimp Terminals, 18-16 AWG | 2133093400 |
| Hand Crimp Tool 3.96mm Pitch Wire-to-Wire and 6.50mm Pitch Wire-to-Board Crimp Terminals, 18-16 AWG | 638197500 |
| Hand Crimp Tool for 3.96mm Pitch Wire-to-Wire and 6.50mm Pitch Wire-to-Board Crimp Terminals, 20-16 AWG | 638197600 |
| FineAdjust Applicator for CP-6.5 Wire-to-Wire Crimp Terminals, 20-16 AWG | 639048100 |



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