



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



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)6375-DC (05 Nov 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	50597
Description	CP-6.5 Wire-to-Wire Crimp Terminal, Female, 20-16 AWG, Reel
Application	Power, 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

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	<u>151207</u>

Application Tooling

Global

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

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