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

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	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
