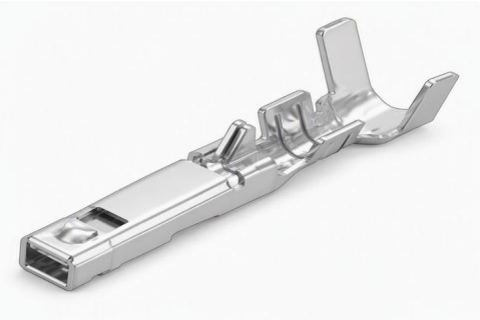
Part Number : 505978000
Product Description : CP-6.5 Wire-to-Board Crimp Terminal, Female, 22-16 AWG, Reel
Series Number : 50597
Status : Active
Product Category : Crimp Terminals



Documents and Resources

Drawings

505978000_sd.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

505979200-200.pdf

PS-51138-002-001.pdf

PS-51142-002-001.pdf

PS-51142-003-001.pdf

Tooling Specifications

CS-50597~50599-001.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

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- 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-Board Crimp Terminal, Female, 22-16 AWG, Reel
Application	Wire-to-Board
Comments	See Product Specification for maximum current rating by circuit size and wire AWG
Product Name	CP-6.5
UPC	800754370578

Electrical

Current - Maximum per Contact	10.0A
Voltage - Maximum	600V AC (RMS)/DC

Physical

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

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Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Reel
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	2.00-3.30mm
Wire Size (AWG)	16, 18, 20, 22
Wire Size mm^2	N/A

Mates With / Use With

Use with Part(s)

Description	Part Number
CP-6.5 Dual Row Receptacle Housings	151049

Application Tooling

Global

Description	Part Number
Hand Crimp Tool for CP-6.5 Wire-to-Wire Crimp Terminals, 18-16 AWG	2133093400
Extraction and Activation Tool	638132700
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
Hand Crimp Tool for 3.96mm Pitch Wire-to-Wire and 6.50mm Pitch Wire-to-Board Crimp Terminals, 22-16 AWG	638197700
FineAdjust Applicator for 3.96 Wire-to-Wire and Wire-to-Board	639012200

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Crimp Terminal	
FineAdjust Applicator for 3.96 Wire-to-Wire and Wire-to-Board Crimp Terminal	639012300
T2 Terminator for 3.96mm Wire-to-Wire and Wire-to-Board Crimp Terminal	639112200
T2 Terminator for 3.96mm Wire-to-Wire and Wire-to-Board Crimp Terminal	639112300

Japan

Description	Part Number
S-1 Applicator for CP-6.5 Terminals, 18-16 AWG, UL1007 Wires	573473700
S-1 Applicator for CP-6.5 Terminals, 22-16 AWG, UL1015 Wires	573473710
S-1 Applicator for CP-6.5 Terminals, 22-16 AWG, with Retainer, UL1007 and UL1015 Wires	573473720
Extraction Tool	573476000

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