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Part Number: **0505978000**

Status: **Active**

Overview: CP Wire-to-Board and Wire-to-Wire Connector Systems
Description: CP-6.5 Wire-to-Board Crimp Terminal, Female, 16-22 AWG, Reel

Documents:

Drawing (PDF)
Product Specification PS-51138-002-001 (PDF)
Product Specification PS-51142-002-001 (PDF)
Product Specification PS-51142-003-001 (PDF)

Packaging Specification 505979200-200 (PDF)
Datasheet (PDF)
RoHS Certificate of Compliance (PDF)

Series image - Reference only

General

Product Family	Crimp Terminals
Series	50597
Application	Power, Wire-to-Board
Comments	See Product Specification for maximum current rating by circuit size and wire AWG
Crimp Quality Equipment	Yes
Overview	CP Wire-to-Board and Wire-to-Wire Connector Systems
Packaging Alternative	505978100 (Loose)
Product Name	CP-6.5
Taxonomy	Crimp Terminals
UPC	800754370578

Physical

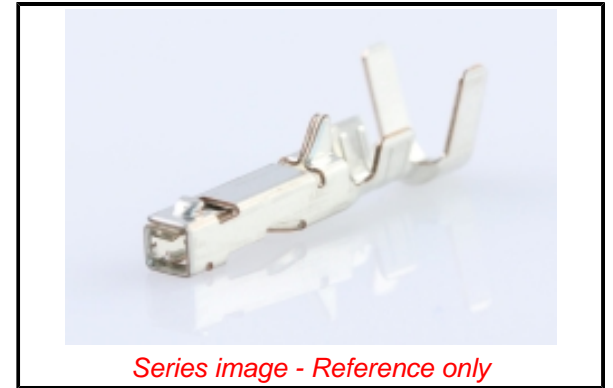|	
Durability (mating cycles max)	30
Gender	Female
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	270.200/mg
Packaging Type	Reel
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	2.00-3.30mm
Wire Size AWG	16, 18, 20, 22
Wire Size mm²	N/A

Electrical

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

Material Info

Reference - Drawing Numbers

Crimp Specification	CS-50597~50599-001
Packaging Specification	505979200-200
Product Specification	PS-51138-002-001, PS-51142-002-001, PS-51142-003-001
Sales Drawing	505970000-SD-000, SD-50597-8X00-011

EU ELV
Not Relevant

EU RoHS   **China RoHS**
Compliant
REACH SVHC
Not Contained Per - D(2022)4187-DC (10 June 2022)
Halogen-Free Status
Low-Halogen
For more information, please visit Contact US

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
50597 Series

Use With
CP-6.5 Receptacle Housing 151049

Application Tooling | **FAQ**
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.
Global

Description	Product #
Hand Crimp Tool for CP-6.5 Wire-to-Wire Crimp Terminals, 16-18 AWG	2133093400
Extraction and Activation Tool	638132700
Hand Crimp Tool 3.96mm Pitch Wire-to-Wire and 6.50mm Pitch Wire-to-BoardCrimp	638197500

Description	Product #
Terminals, 16-18 AWG	
Hand Crimp Tool for 3.96mm Pitch Wire-to-Wire and 6.50mm Pitch Wire-to-Board Crimp Terminals, 16-20 AWG	638197600
Hand Crimp Tool for 3.96mm Pitch Wire-to-Wire and 6.50mm Pitch Wire-to-Board Crimp Terminals, 16-18 and 22 AWG	638197700
FineAdjust Applicator for 3.96 Wire-to-Wire and Wire-to-Board Crimp Terminal	639012200
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	Product #
S-1 Applicator for CP-6.5 Terminals, 16-18 AWG, UL1007 Wires	573473700
S-1 Applicator for CP-6.5 Terminals, 16-22 AWG, UL1015 Wires	573473710
S-1 Applicator for CP-6.5 Terminals, 16-22 AWG, with Retainer, UL1007 and UL1015 Wires	573473720
Extraction Tool	573476000

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