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Part Number: **0505978100**
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, Bag

Documents:

[Drawing \(PDF\)](#) [Packaging Specification 505979200-200 \(PDF\)](#)
[Product Specification PS-51138-002 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-51142-003 \(PDF\)](#)

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, See Product Specification for maximum current rating by circuit size and wire AWG
Crimp Quality Equipment	Yes
Datasheet Order No	987651-1601
Overview	CP Wire-to-Board and Wire-to-Wire Connector Systems
Packaging Alternative	505978000 (Reel)
Product Name	CP-6.5
UPC	800753366541

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	Bag
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

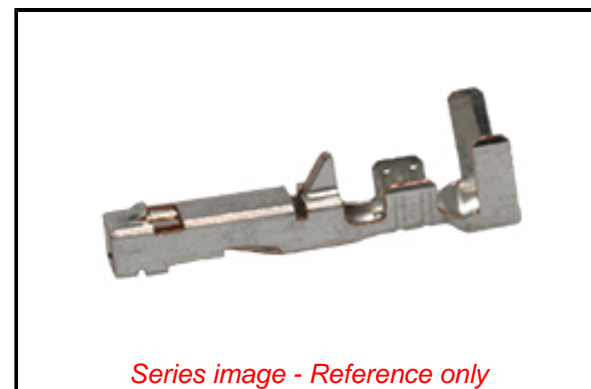
Electrical

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

Material Info

Reference - Drawing Numbers

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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

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 #
Extraction and Activation Tool	638132700
Hand Crimp Tool 3.96mm Pitch Wire-to-Wire and 6.50mm Pitch Wire-to-BoardCrimp Terminals, 16-18 AWG	638197500
Hand Crimp Tool for 3.96mm Pitch Wire-	638197600

to-Wire and 6.50mm
Pitch Wire-to-Board
Crimp Terminals,
16-20 AWG
Hand Crimp Tool for [638197700](#)
3.96mm Pitch Wire-
to-Wire and 6.50mm
Pitch Wire-to-Board
Crimp Terminals,
16-18 and 22 AWG

Japan

Description	Product #
Hand Crimper - UL1015	573475300
Extraction Tool	573476000

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