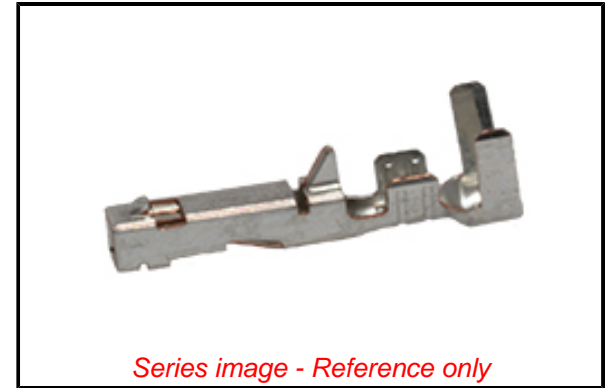


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Part Number: **0505978000**
Status: **Active**
Overview: CP Wire-to-Board and Wire-to-Wire Connector Systems
Description: CP-6.5 Wire-to-Board Crimp Terminal, Female, 16-22 AWG, Reel

Documents:

Drawing (PDF)	Packaging Specification 505979200-200 (PDF)
Product Specification PS-51138-002 (PDF)	Datasheet (PDF)
Product Specification PS-51142-002-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-51142-003 (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
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 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-51142-002-001, PS-51142-003
Sales Drawing	505970000-SD-000, SD-50597-8X00

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

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 #
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Extraction and	638132700
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Activation Tool	
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Hand Crimp Tool	638197500
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3.96mm Pitch

Wire-to-Wire and

6.50mm Pitch Wire-

to-BoardCrimp

Terminals, 16-18

AWG

Hand Crimp Tool for [638197600](#)

3.96mm Pitch Wire-

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
Fine Adjust [639012200](#)
Applicator for 3.96
Wire-to-Wire and
Wire-to-Board Crimp
Terminal
FineAdjust Applicator[639012300](#)
for 3.96 Wire-to-Wire
and Wire-to-Board
Crimp Terminal
T2 Terminator for [639112200](#)
3.96mm Wire-to-Wire
and Wire-to-Board
Crimp Terminal
T2 Terminator for [639112300](#)
3.96mm Wire-to-Wire
and Wire-to-Board
Crimp Terminal

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 Extraction Tool	573473720 573476000

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