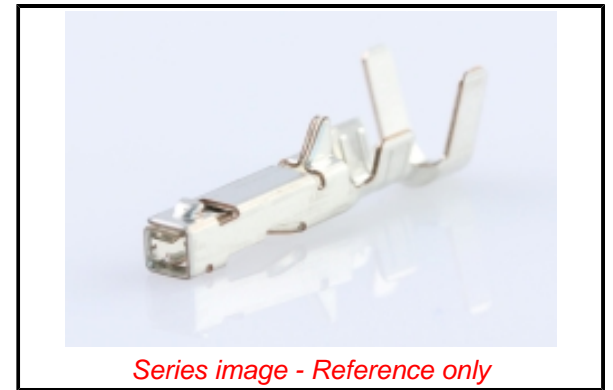


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**Part Number:** **0505978000**  
**Status:** **Active**  
**Overview:** CP Wire-to-Board and Wire-to-Wire Connector Systems  
**Description:** CP-6.5 Wire-to-Board Crimp Terminal, Female, 16-22 AWG, Reel

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 505979200-200 (PDF)</a>
<a href="#">Product Specification PS-51138-002-001 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification PS-51142-002-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-51142-003-001 (PDF)</a>	



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 <sup>2</sup>	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**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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	<a href="#">638132700</a>
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Activation Tool	
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Hand Crimp Tool	<a href="#">638197500</a>
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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  
FineAdjust Applicator[639012200](#)  
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**

<b>Description</b>	<b>Product #</b>
S-1 Applicator for CP-6.5 Terminals, 16-18 AWG, UL1007 Wires	<a href="#">573473700</a>
S-1 Applicator for CP-6.5 Terminals, 16-22 AWG, UL1015 Wires	<a href="#">573473710</a>
S-1 Applicator for CP-6.5 Terminals, 16-22 AWG, with Retainer, UL1007 and UL1015 Wires Extraction Tool	<a href="#">573473720</a>          <a href="#">573476000</a>

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