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**Part Number:** **0505978010**  
**Status:** **Active**  
**Overview:** CP Wire-to-Board and Wire-to-Wire Connector Systems  
**Description:** CP-6.5 Wire-to-Wire Crimp Terminal, Female, 16-20 AWG, Reel

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary 2034380001-TS-000 (PDF)</a>
<a href="#">Product Specification 2034380001-PS-000 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Packaging Specification 505978010-PK-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

Product Family	Crimp Terminals
Series	50597
Application	Power, Wire-to-Wire
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
Product Name	CP-6.5
UPC	193264088799

**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
Wire Size mm <sup>2</sup>	N/A

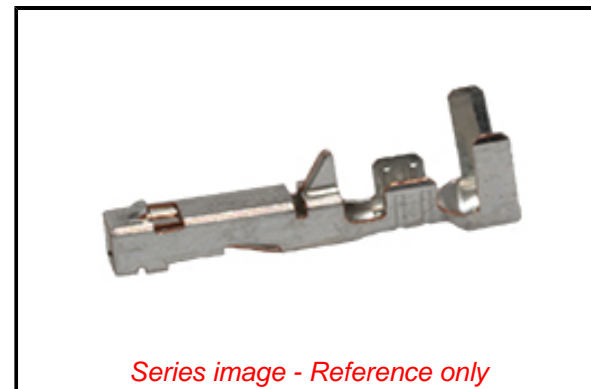
**Electrical**

Current - Maximum per Contact	12.5A
Voltage - Maximum	600V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	505978010-PK-000
Product Specification	2034380001-PS-000
Sales Drawing	505978010-SD-000
Test Summary	2034380001-TS-000



Series image - Reference only

**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 [151207](#)

**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 3.96mm Pitch Wire-to-Wire and 6.50mm Pitch Wire-to-Board Crimp Terminals, 16-20 AWG FineAdjust Applicator	<a href="#">638197600</a>
for CP-6.5 Wire-to-Wire Crimp Terminals, 16-20 AWG	<a href="#">639048100</a>

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