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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                  |

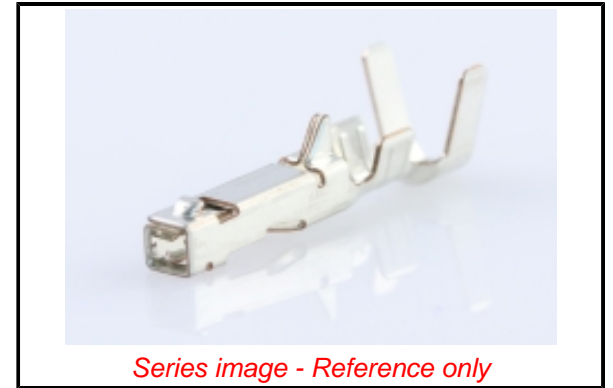
**Electrical**

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

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