

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [1510481406](#)  
**Status:** **Active**  
**Overview:** [CP Wire-to-Board and Wire-to-Wire Connector Systems](#)  
**Description:** CP-6.5 Header, 6.50mm Pitch, Dual Row, Vertical, Polarized, Positive Lock, Tray Packaging, Glow-Wire Capable, 4 Circuits, Black

**Documents:**

|                                                                  |                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------|
| <a href="#">3D Model</a>                                         | <a href="#">Test Summary 1510480001-TS-000 (PDF)</a>        |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Datasheet (PDF)</a>                             |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Symbol Footprint Data SYM-151048-1401 (PDF)</a> |
| <a href="#">Product Specification PS-151048-0001-001 (PDF)</a>   | <a href="#">RoHS Certificate of Compliance (PDF)</a>        |
| <a href="#">Packaging Specification PK-151048-0002-001 (PDF)</a> |                                                             |

**Agency Certification**

UL E29179

**General**

|                |                                                                                   |
|----------------|-----------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                       |
| Series         | <a href="#">151048</a>                                                            |
| Application    | Power, Wire-to-Board                                                              |
| Comments       | See Product Specification for maximum current rating by circuit size and wire AWG |
| Overview       | <a href="#">CP Wire-to-Board and Wire-to-Wire Connector Systems</a>               |
| Product Name   | CP-6.5                                                                            |
| UPC            | 889056066822                                                                      |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 4              |
| Circuits (maximum)             | 4              |
| Color - Resin                  | Black          |
| Durability (mating cycles max) | 30             |
| First Mate / Last Break        | No             |
| Flammability                   | 94V-0          |
| Glow-Wire Capable              | Yes            |
| Guide to Mating Part           | No             |
| Keying to Mating Part          | Yes            |
| Lock to Mating Part            | Yes            |
| Material - Metal               | Copper Alloy   |
| Material - Plating Mating      | Matte Tin      |
| Material - Plating Termination | Matte Tin      |
| Material - Resin               | Polyamide      |
| Net Weight                     | 2.884/g        |
| Number of Rows                 | 2              |
| Orientation                    | Vertical       |
| PC Tail Length                 | 3.80mm         |
| PCB Locator                    | Yes            |
| PCB Retention                  | Yes            |
| PCB Thickness - Recommended    | 1.60mm         |
| Packaging Type                 | Tray           |
| Pitch - Mating Interface       | 6.50mm         |
| Plating min - Mating           | 1.270µm        |
| Plating min - Termination      | 1.270µm        |
| Polarized to Mating Part       | Yes            |
| Polarized to PCB               | Yes            |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface: Style   | Through Hole   |



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**

**Not Low-Halogen**

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

**China RoHS**

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[151048](#) Series

**Mates With**

CP-6.5 Receptacle Housing [1510492406](#) ,  
[1512072406](#)

**Electrical**

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

**Solder Process Data**

|                             |      |
|-----------------------------|------|
| Lead-freeProcess Capability | WAVE |
|-----------------------------|------|

**Material Info**

**Reference - Drawing Numbers**

|                         |                    |
|-------------------------|--------------------|
| Packaging Specification | PK-151048-0002-001 |
| Product Specification   | PS-151048-0001-001 |
| Sales Drawing           | SD-151048-0001-001 |
| Symbol/Footprint Data   | SYM-151048-1401    |
| Test Summary            | 1510480001-TS-000  |

This document was generated on 07/15/2020

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION