



**Part Number :** [1510481203](#)  
**Product Description :** CP-6.5 Header, 6.50mm Pitch, Dual Row, Vertical, Polarized, Positive Lock, Tray Packaging, Glow-Wire Capable, 2 Circuits, Yellow  
**Series Number :** 151048  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

**Drawings**  
[Drawing 1510481203\\_sd.pdf](#)  
[Packaging Design Drawing PK-151048-0002-001.pdf](#)

**3D Models and Design Files**  
[3D Model 1510481203\\_stp.zip](#)  
[Symbol Footprint Data SYM-151048-1201-001.zip](#)

**Specifications**  
[Product Specification PS-151048-0001-001.pdf](#)  
[Test Summary 1510480001-TS-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                |
|--------------------|------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                   |
| China RoHS         |                                                |
| EU ELV             | Not Relevant                                   |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21             |
| REACH SVHC         | Not Contained per D(2023)3788-DC (14 Jun 2023) |
| EU RoHS            | Compliant per EU 2015/863                      |

Multiple Part Product Compliance Statements  
- Eu RoHS  
- REACH SVHC  
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                           |
| Category       | PCB Headers and Receptacles                                                                                                      |
| Series         | 151048                                                                                                                           |
| Description    | CP-6.5 Header, 6.50mm Pitch, Dual Row, Vertical, Polarized, Positive Lock, Tray Packaging, Glow-Wire Capable, 2 Circuits, Yellow |
| Application    | Power, Wire-to-Board                                                                                                             |
| Comments       | See Product Specification for maximum current rating by circuit size and wire AWG                                                |
| Component Type | PCB Header                                                                                                                       |
| Product Family | CP Wire-to-Board and Wire-to-Wire Connector Systems                                                                              |
| Product Name   | CP-6.5                                                                                                                           |
| UPC            | 889056066907                                                                                                                     |

#### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

#### Electrical

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

#### Physical

|                   |    |
|-------------------|----|
| Breakaway         | No |
| Circuits (Loaded) | 2  |

|                                |                |
|--------------------------------|----------------|
| Circuits (maximum)             | 2              |
| Color - Resin                  | Yellow         |
| 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                     | 1.725/g        |
| Number of Rows                 | 2              |
| Orientation                    | Vertical       |
| Packaging Type                 | Tray           |
| PC Tail Length                 | 3.80mm         |
| PCB Locator                    | Yes            |
| PCB Retention                  | Yes            |
| PCB Thickness - Recommended    | 1.60mm         |
| 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   |

## Solder Process Data

|                              |      |
|------------------------------|------|
| Lead-Free Process Capability | WAVE |
|------------------------------|------|

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## Mates With / Use With

Mates with Part(s)

| Description                                                                                           | Part Number       |
|-------------------------------------------------------------------------------------------------------|-------------------|
| CP-6.5 Receptacle Housing,<br>6.50mm Pitch, Dual Row, Polarized,<br>Positive Lock, 2 Circuits, Yellow | <u>1510492203</u> |
| CP-6.5 Receptacle Housing, Glow-<br>Wire Capable, 6.50mm Pitch, Dual<br>Row, 2 Circuits, Yellow       | <u>1512072203</u> |

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