



Part Number : [2035552114](#)

Product Description : CP-6.5 Header, 6.50mm Pitch, Dual Row, Right-Angle, Polarized, Surface Mount, Tray Packaging, 4 Circuits, Black

Series Number : 203555

Status : Active

Product Category : PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[Drawing 2035552114\\_sd.pdf](#)

[Packaging Design Drawing 2035550003-PK-000.pdf](#)

### 3D Models and Design Files

[3D Model 2035552114\\_stp.zip](#)

### Specifications

[Product Specification 2035550001-PS-000.pdf](#)

[Test Summary 2035550001-TS-000.pdf](#)

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## Product Environment Compliance

### Compliance

China RoHS	Not Reviewed
EU ELV	Not Reviewed
Low-Halogen Status	Not Reviewed
REACH SVHC	Not Reviewed
EU RoHS	Not Reviewed

### 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

## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	203555
Description	CP-6.5 Header, 6.50mm Pitch, Dual Row, Right-Angle, Polarized, Surface Mount, Tray Packaging, 4 Circuits, Black
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	191130538577

### Agency

CSA	LR19980
UL	E29179

### Electrical

Current - Maximum per Contact	11.8A
Voltage - Maximum	600V AC (RMS)/DC

### 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	Nylon
Net Weight	3.121/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
Pitch - Mating Interface	6.50mm
Pitch - Termination 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	Surface Mount

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
CP-6.5 Receptacle Housing, Glow-Wire Capable, 6.50mm Pitch, Dual Row, 4 Circuits, Black	<u>1512072406</u>