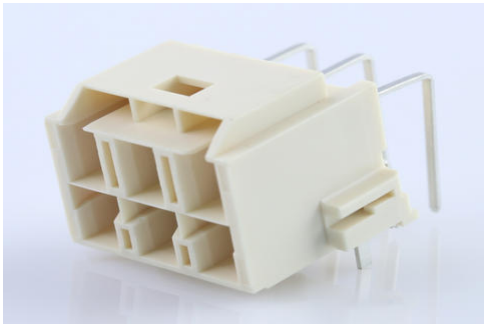
molex



Part Number : 2035551216
Product Description : CP-6.5 Header, 6.50mm Pitch, Dual Row, Right-Angle, Polarized, Through Hole, Tube Packaging, 6 Circuits, Natural
Series Number : 203555
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

2035551216_sd.pdf

2035550001-PK-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

2035550001-PS-000.pdf

2035550001-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains 1,1'-(Ethane-1,2-diyl)bis[pentabromobenzene] per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

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Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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, Through Hole, Tube Packaging, 6 Circuits, Natural
Application	Wire-to-Board
Comments	See Product Specification for maximum current rating by circuit size and wire AWG
Component Type	PCB Header
Product Name	CP-6.5
UPC	191130538454

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	11.8A

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Voltage - Maximum	600V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Gender	Male
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	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	4.296/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tube
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.81mm
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

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Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
CP-6.5 Receptacle Housing, Glow-Wire Capable, 6.50mm Pitch, Dual Row, 6 Circuits, Natural	1512072611

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