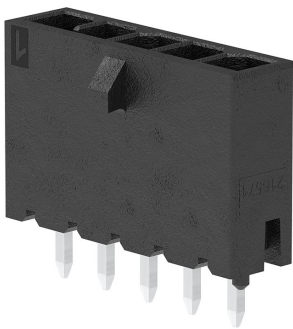




**Part Number :** [2165712006](#)  
**Product Description :** Micro-Fit+ Vertical Header, Through Hole, 3.00mm Pitch, Single Row, 6 Circuits, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black  
**Series Number :** 216571  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

**Drawings**  
[2165712006\\_sd.pdf](#)  
[2165710002-PK-000.pdf](#)

**3D Models and Design Files**  
[2165712006\\_stp.zip](#)

**Specifications**  
[2064600001-AS-000.pdf](#)  
[2064600000-PS-000.pdf](#)  
[2064600001-TS-000.pdf](#)  
[2157590005-TS-000.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
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	216571
Description	Micro-Fit+ Vertical Header, Through Hole, 3.00mm Pitch, Single Row, 6 Circuits, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	Micro-Fit+
UPC	193264927012

### Agency

CSA	LR19980
UL	E29179

### Electrical

Current - Maximum per Contact	12.5A
Voltage - Maximum	600V AC (RMS)/DC

### Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black

Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	Yes
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	High Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	0.943/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.18mm
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Pitch - Mating Interface	3.00mm
Pitch - Termination Interface	3.00mm
Plating min - Mating	0.381µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Temperature Range - Operating	-40° to +125°C
Termination Interface Style	Through Hole

## Solder Process Data

Max-Duration	30
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260

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## Mates With / Use With

Mates with Part(s)

Description	Part Number
Micro-Fit+ Single Row Receptacle Housings	<u>215759</u>

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