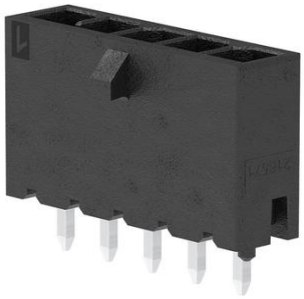
**Part Number :** 2165712006
**Product Description :** Micro-Fit+ Vertical Header, Through Hole, 3.00mm Pitch, Single Row, 6 Circuits, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black
**Series Number :** 216571
**Status :** Active
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

2165712006_sd.pdf

2165710002-PK-000.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### 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 | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)7663-DC (21 Jan 2025) |

| | |
|---|---|
| EU RoHS | Compliant per EU 2015/863 |

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

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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 |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.57mm |
| PC Tail Length | 3.18mm |
| 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 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Micro-Fit+ Single Row Receptacle Housings | 215759 |