



Part Number : [1720650006](#)

Product Description : Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 6 Circuits, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black

Series Number : 172065

Status : Active

Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

[1720650006_sd.pdf](#)

[PK-31301-976-000.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[SYM-172065-0006-001.zip](#)

Specifications

[1722990000-AS-000.pdf](#)

[768232000-AS-000.pdf](#)

[AS-76823-100-001.pdf](#)

[1720631000-PS-000.pdf](#)

[PS-76823-100-001.pdf](#)

[1720631000-TS-000.pdf](#)

[TS-76823-100-001.pdf](#)

[TS-76829-001-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|------------|----------------------------------------|
| GADSL/IMDS | Compliant with Exemption 33; 44; 34 |
|------------|----------------------------------------|

| | |
|--------------------|----------------------------------------------------|
| 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(2025)4165-DC (25 June 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

Part Details

General

| | |
|----------------|--------------------------------------------------------------------------------------------------------------------------------|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 172065 |
| Description | Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 6 Circuits, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black |
| Application | Power, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | Mega-Fit |
| UPC | 887191453958 |

Agency

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

Electrical

| | |
|-------------------------------|------------------|
| Current - Maximum per Contact | 23.5A |
| 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 | Yes |
| Lock to Mating Part | Yes |
| Mated Height | 16.78mm |
| Material - Metal | High Conductivity Copper |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Matte Tin |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 3.553/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.58mm, 2.36mm |
| PC Tail Length | 3.73mm |
| Pitch - Mating Interface | 5.70mm |
| Pitch - Termination Interface | 5.70mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 2.540µm |

| | |
|-------------------------------|----------------|
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Yes |
| Temperature Range - Operating | -40° to +120°C |
| Termination Interface Style | Through Hole |
| Unmated Height | 14.80mm |

Solder Process Data

| | |
|------------------------------|----------|
| Max-Duration | 30 |
| Lead-Free Process Capability | SMC&WAVE |
| Max-Cycle | 1 |
| Max-Temp | 260 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|----------------------------------------------------------------------|---------------|
| Mega-Fit Dual Row Receptacle Housings | <u>170001</u> |
| Mega-Fit Dual Row Receptacle Housings | <u>171692</u> |
| Mega-Fit-to-Mega-Fit Off-the-Shelf (OTS) Overmolded Cable Assemblies | <u>245136</u> |