molex



**Part Number :** 768290008
**Product Description :** Mega-Fit Vertical Header, 5.70mm Pitch, Through Hole, Dual Row, 8 Circuits, Matte Tin (Sn) Plating, 3.73mm Tail Length, Glow-Wire Capable, Tray, Black
**Series Number :** 76829
**Status :** Active
**Product Category :** PCB Headers and Receptacles

## Documents and Resources

### Drawings

768290008_sd.pdf

PK-31301-976-000.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-76829-0008-001.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 |

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| | |
|---|---|
| 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)7771-DC (04 Feb 2026) |
| 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 | 76829 |
| Description | Mega-Fit Vertical Header, 5.70mm Pitch, Through Hole, Dual Row, 8 Circuits, Matte Tin (Sn) Plating, 3.73mm Tail Length, Glow-Wire Capable, Tray, Black |
| Application | Power, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | Mega-Fit |
| UPC | 887191454214 |

### Agency

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

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 23.0A |
| Voltage - Maximum | 600V AC (RMS)/DC |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| 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 | Matte Tin |
| Material - Plating Termination | Matte Tin |
| Material - Resin | Liquid Crystal Polymer (LCP) |
| Net Weight | 4.599/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 | 1.520µm |
| Plating min - Termination | 1.520µm |
| Polarized to Mating Part | Yes |

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| | |
|---|---|
| Polarized to PCB | Yes |
| Shrouded | Shrouded |
| Temperature Range - Operating | -40° to +105°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 | 170001 |
| Mega-Fit Dual Row Receptacle Housings | 171692 |
| Mega-Fit-to-Mega-Fit Off-the-Shelf (OTS) Cable Assemblies | 45136 |



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