



**Part Number :** [768250006](#)

**Product Description :** Mega-Fit Right-Angle Header, 5.70mm Pitch, Through Hole, Dual Row, 6 Circuits, Matte Tin (Sn) Plating, 3.60mm Tail Length, Glow-Wire Capable, Tray, Black

**Series Number :** 76825

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents and Resources

### Drawings

[768250006 sd.pdf](#)

[768250001-PK-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[SYM-76825-0006-001.zip](#)

### Specifications

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

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

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

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


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

[TS-76825-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 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(2025)6375-DC (05 Nov 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	76825
Description	Mega-Fit Right-Angle Header, 5.70mm Pitch, Through Hole, Dual Row, 6 Circuits, Matte Tin (Sn) Plating, 3.60mm Tail Length, Glow-Wire Capable, Tray, Black
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	Mega-Fit
UPC	887191453859

### Agency

CSA	LR19980
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UL	E29179
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## Electrical

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

## Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
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
Net Weight	4.106/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.58mm, 2.36mm
PC Tail Length	3.60mm
Pitch - Mating Interface	5.70mm
Pitch - Termination Interface	5.70mm
Plating min - Mating	1.524µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes

Shrouded	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole
Unmated Height	14.53mm

### Solder Process Data

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

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### 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) Cable Assemblies	<u>45136</u>

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This document was generated on Dec 19, 2025