molex

Part Number : 768290006
Product Description : Mega-Fit Vertical Header, 5.70mm Pitch, Through Hole, Dual Row, 6 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

768290006_sd.pdf

PK-31301-976-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-76829-0006-001.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 44; 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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	76829
Description	Mega-Fit Vertical Header, 5.70mm Pitch, Through Hole, Dual Row, 6 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	887191454207

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)	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 (LCP)
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	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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