



Part Number : 768290008

Series Number : 76829

Product Category : PCB Headers and Receptacles

Product Description : Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 8 Circuits, 1.52µm Tin (Sn) Plating, Glow-Wire Capable, Black

Status : Active

Documents & Resources

Drawings

- Drawing 768290008_sd.pdf
- Packaging Design Drawing PK-31301-976-000.pdf

3D Models and Design Files


- 3D Model 768290008_stp.zip
- Symbol Footprint Data SYM-76829-0008-001.zip

Specifications

- Application Specification 1722990000-AS-000.pdf
- Application Specification 768232000-AS-000.pdf
- Application Specification AS-76823-100-001.pdf
- Product Specification 1720631000-PS-000.pdf
- Product Specification PS-76823-100-001.pdf
- Test Summary 1720631000-TS-000.pdf
- Test Summary TS-76823-100-001.pdf
- Test Summary TS-76829-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	76829
Description	Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 8 Circuits, 1.52µm Tin (Sn) Plating, Glow-Wire Capable, Black
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Mega-Fit Power Connectors
Product Name	Mega-Fit
UPC	887191454214

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	23.5A
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
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	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	4.599/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.73mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.58mm, 2.36mm
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	14.80mm

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) Cable Assemblies	<u>45136</u>