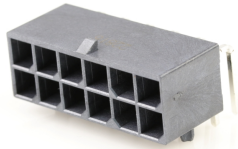




Part Number : [768250012](#)
Product Description : Mega-Fit Right-Angle Header, 12 Circuits, Tin (Sn) Plating, UL 94 V-0, Glow-Wire Capable, Tray
Series Number : 76825
Status : Active
Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings
[Drawing 768250012_sd.pdf](#)
[Packaging Design Drawing 768250001-PK-000.pdf](#)

3D Models and Design Files
[3D Model 768250012_stp.zip](#)
[Symbol Footprint Data SYM-76825-0012-001.zip](#)

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

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
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	76825
Description	Mega-Fit Right-Angle Header, 12 Circuits, Tin (Sn) Plating, UL 94 V-0, Glow-Wire Capable, Tray
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Mega-Fit Power Connectors
Product Name	Mega-Fit
UPC	887191453880

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	23.5A
Voltage - Maximum	600V

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12

Color - Resin	Black
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	Copper
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	7.883/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm, 2.36mm
Pitch - Mating Interface	5.70mm
Pitch - Termination Interface	5.70mm
Plating min - Mating	1.524µm
Plating min - Termination	1.270µm
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

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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