

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0768250012](#)
Status: **Active**
Overview: [Mega-Fit Power Connectors](#)
Description: [Mega-Fit Right-Angle Header, 12 Circuits, Tin \(Sn\) Plating, UL 94 V-0, Glow-Wire Capable, Tray](#)

Documents:

3D Model	Packaging Specification PK-76825-0000-001 (PDF)
3D Model (PDF)	Test Summary TS-76823-100-001 (PDF)
Drawing (PDF)	Test Summary TS-76825-001-001 (PDF)
Product Specification 1054171000-PS-000 (PDF)	Symbol Footprint Data SYM-76825-0012 (PDF)
Product Specification PS-76823-100-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-76823-100-001 (PDF)	Product Literature (PDF)

Agency Certification

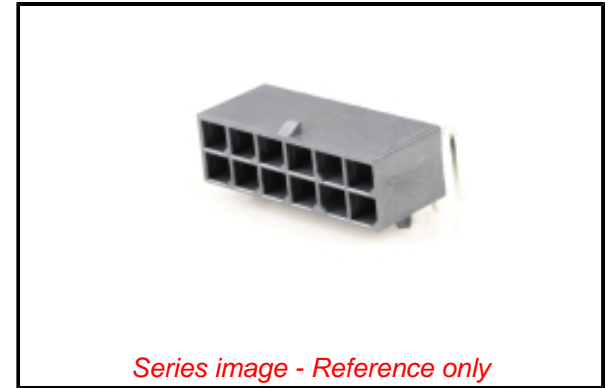
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	76825
Application	Power, Wire-to-Board
Overview	Mega-Fit Power Connectors
Product Name	Mega-Fit
UPC	887191453880

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
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm, 2.36mm
Packaging Type	Tray
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
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[76825 Series](#)

Mates With

Mega-Fit Receptacle Housings [171692](#)
, [170001](#)
Mega-Fit Cable Assembly
[45136](#)

Termination Interface: Style	Through Hole
Unmated Height	14.53mm

Electrical

Current - Maximum per Contact	23.0A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	030
Lead-free Process Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Application Specification	AS-76823-100-001
Packaging Specification	PK-76825-0000-001
Product Specification	1054171000-PS-000, PS-76823-100-001
Sales Drawing	SD-76825-0100-000
Symbol/Footprint Data	SYM-76825-0012
Test Summary	TS-76823-100-001, TS-76825-001-001

This document was generated on 09/23/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION