



Part Number : [457180002](#)
Product Description : Mini-Fit Jr. PCI Express*, High End Graphics Add-In Card Applications Only, 6 Circuits
Series Number : 45718
Status : Active
Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings
[Drawing 457180002_sd.pdf](#)

3D Models and Design Files
[3D Model 457180002_stp.zip](#)

Specifications
[Packaging Specification PK-5569-002-001.pdf](#)
[Product Specification PS-45558-001-001.pdf](#)
[Test Summary TS-5556-002-001.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(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	45718
Description	Mini-Fit Jr. PCI Express*, High End Graphics Add-In Card Applications Only, 6 Circuits
Application	Power, Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire. See Molex product specification PS-45750-001 for additional current de-rating information.
Component Type	PCB Header
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Jr.
UPC	822348247097

Agency

UL	E29179
----	--------

Electrical

Current - Maximum per Contact	13.0A
Voltage - Maximum	600V

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6

Color - Resin	Natural (White)
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	No
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	1.799/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.71mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.80mm
Pitch - Mating Interface	4.20mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to PCB	Yes
Shrouded	Partial
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
-------------	-------------

Mini-Fit Jr. Receptacle Housing, Dual Row, Custom for PCI Express* High-end Graphics Add-In Card Applications Only	<u>455590002</u>
---	------------------

This document was generated on Sep 19, 2024