

Part Number: 46099-1811



Status: Contact Molex
Series: 46099
Category: PCB Headers
Overview: Mini-Fit® Plus Connector System

Go to [Part Detail](#)

Series image - Reference only

Mates With Part(s):
[15-06-0181](#) Mini-Fit® BMI Panel Mount Receptacle, [39-01-2185](#) Mini-Fit Jr.™ Receptacle, [44516-0009](#) Mini-Fit® BMI Slide and Lock Panel Mount Receptacle, [46101-1811](#) Mini-Fit® High Cycle Receptacle Header

Specifications & Other Documents:

Note - Please disable browser pop-up blockers to view documents on www.molex.com

Product Environmental Compliance

Questions on Product Environmental Compliance? Email productcompliance@molex.com

EU ELV: Not Relevant
EU RoHS: Compliant
China RoHS:
REACH SVHC: Contains SVHC(2015 June 15): No
Low-Halogen Status: Low-Halogen

- [RoHS Certificate of Compliance \(PDF\)](#)
- [Multiple Part Product Compliance Form](#)

Application Tooling [FAQ](#)

Tooling specifications and manuals are found by selecting the products below.
 Crimp Height Specifications are then contained in the Application Tooling Specification document.

Previously Available Application Tooling
[Check our list of old tooling that used to be available for this part](#)

Part Detail

General

Status	Contact Molex
Category	PCB Headers
Series	46099
Application	Board-to-Board, 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.
Overview	Mini-Fit® Plus Connector System
Product Name	Mini-Fit® Plus
UPC	822350570411

Physical

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
Durability (mating cycles max)	1000
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	4.365/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.56mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.80mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

(Please review the Product Specification for specific details.)

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C.	260

Material Info

<p>Molex Connectors</p> <ul style="list-style-type: none"> Wire-to-Board Board-to-Board Wire-to-Wire Input/Output (IO) FFC/FPC Sockets 	<p>Other Products</p> <ul style="list-style-type: none"> Optical Solutions Antennas Industrial Automation Membrane Switches Copper Flex PCB Assemblies Woodhead Electrical Solid State Lighting Application Tooling Noise Suppression Sheets 	<p>Resources</p> <ul style="list-style-type: none"> Contact Us Catalog Cross-Reference Industries Literature Product Name 	<p>Company Info</p> <ul style="list-style-type: none"> About Us California Supply Chains Act Careers Compliance ecocare Investors Press Room Shows & Events Supplier Portal 	<p>Other Info</p> <ul style="list-style-type: none"> Feedback Help Legal Disclaimer Trademarks View Mobile Site Privacy Policy Sitemap
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