



Part Number : [907793001](#)

Product Description : Picoflex PF-50 Header, Vertical, Low Profile, High Temperature Surface Mount Capable, 0.76µm PdNi with Gold Flash Plating, 4 Circuits, Glow-Wire Capable

Series Number : 90779

Status : Active

Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

[Drawing 907793001_sd.pdf](#)

3D Models and Design Files

[3D Model 907793001_stp.zip](#)

Specifications

[Application Specification 908140000-AS-000.pdf](#)

[Packaging Specification PK-90325-002-001.pdf](#)

[Product Specification PS-99020-0011-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not 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	90779
Description	Picoflex PF-50 Header, Vertical, Low Profile, High Temperature Surface Mount Capable, 0.76µm PdNi with Gold Flash Plating, 4 Circuits, Glow-Wire Capable
Application	Signal, Wire-to-Board
Comments	This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12 and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.
Component Type	PCB Header
Product Family	Picoflex Ribbon-Cable Connectors

Product Name	Picoflex
UPC	822348745524

Agency

UL	E29179
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Electrical

Current - Maximum per Contact	1.2A
Voltage - Maximum	250V

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Natural
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	Yes
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold over Palladium Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	0.245/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.762µm

Plating min - Termination	3.048μm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	No
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
Picoflex PF-50 Low Profile IDT Receptacles	<u>90327</u>

Application Tooling

Global

Description	Part Number
Extraction Tool for Picoflex PF-50 Connectors, 4-26 Circuits	<u>0690081070</u>