Part Number : 430450200

Product Description : Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 2 Circuits, with Snap-in Plastic Peg PCB Lock, Tin, Glow-Wire Capable, Black

Series Number : 43045

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

Drawing 430450200_sd.pdf
Packaging Design Drawing PK-70873-0313-001.pdf

3D Models and Design Files

3D Model 430450200_stp.zip
Symbol Footprint Data SYM-43045-0200-001.zip

Specifications

Application Specification AS-43045-001-001.pdf
Product Specification 430450001-PS-KO-000.pdf
Product Specification 430450001-PS-SP-000.pdf
Product Specification PS-43045-001.pdf
Test Summary 430450004-TS-000.pdf
Test Summary 430450005-TS-000.pdf
Test Summary TS-43045-001-001.pdf
Test Summary TS-46235-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
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	43045
Description	Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 2 Circuits, with Snap-in Plastic Peg PCB Lock, Tin, Glow-Wire Capable, Black
Application	Power, Wire-to-Board

Comments	High Temperature, Square Pin, Solder Type; 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	Micro-Fit Connector System
Product Name	Micro-Fit 3.0
UPC	800754369701

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	8.5A
Voltage - Maximum	600V

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black

Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Mated Height	10.29mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.542/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.254µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	30
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
Micro-Fit 3.0 Dual Row Receptacle Housings	43025

Micro-Fit TPA Receptacle Housings	172952
Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female Off-the-Shelf (OTS) Cable Assemblies	214755
Micro-Fit 3.0 Female-to-Pigtail Off-the-Shelf (OTS) Cable Assemblies	214756
Micro-fit 3.0-to-Micro-Fit 3.0 Off-the-Shelf (OTS) Overmolded Adapters and Cable Assemblies	245132