Part Number: 0430451419

Status: **Active**

Overview: Micro-Fit 3.0 Connector System Product Family

Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 14 Circuits, with Solder Tab, Gold, Glow-Wire Capable, Black

Series image - Reference only

Documents:

3D Model	Product Specification TS-43045-002-001 (PDF)
Drawing (PDF)	Product Specification TS-46235-001-001 (PDF)
Product Specification PS-43045 (PDF)	Packaging Specification PK-70873-05XX-002 (PDF)
Product Specification PS-43045-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification TS-43045-001-001 (PDF)	Product Literature (PDF)

EU ELV
Not Relevant

EU RoHS   **China RoHS**
Compliant

REACH SVHC
Not Contained Per -
ED/61/2018 (27 June
2018)

Halogen-Free
Status
Low-Halogen
For more information, please visit Contact US

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
43045 Series

Mates With
Micro-Fit 3.0 Receptacle Housing 43025

Micro-Fit 3.0 TPA Receptacle Housing 172952

Agency Certification

CSA	LR19980
UL	E29179

General

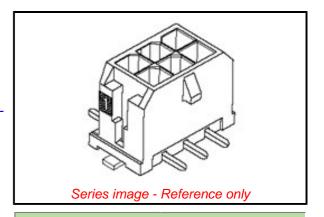|	
Product Family	PCB Headers
Series	43045
Application	Power, Wire-to-Board
Comments	""""""High Temperature|Square Pin|Solder Type<P><P>This Molex product is manufactured from material that has the following ratings, tested by independent agencies:. a) A Glow Wire Ignition Temperature (GWIT) of at least 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. <P><P> 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). <P> If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.""""""
Overview	Micro-Fit 3.0 Connector System Product Family
Product Literature Order No	987650-5984
Product Name	Micro-Fit 3.0
UPC	800753834019

Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Mated Height	17.64mm
Material - Metal	Brass
Material - Plating Mating	Gold

Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.175/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.381µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	030
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-05XX-002
Product Specification	PS-43045, PS-43045-001, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001
Sales Drawing	SD-43045-007-001
Symbol/Footprint Data	SYM-43045-1418