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Part Number: 0430452227

Status: **Active**

Overview: Micro-Fit 3.0 Connector System Product Family

Description: Micro-Fit 3.0™ Vertical Header, 3.00mm Pitch, Dual Row, 22 Circuits, with PCB Polarizing Peg, Tin, Glow Wire Capable, Black

Series image - Reference only

Documents:

3D Model	Packaging Specification PK-70873-0314 (PDF)
Drawing (PDF)	Test Summary 430450004-TS-000 (PDF)
Product Specification PS-43045 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification TS-43045-001-001 (PDF)	Product Literature (PDF)
Product Specification TS-46235-001-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

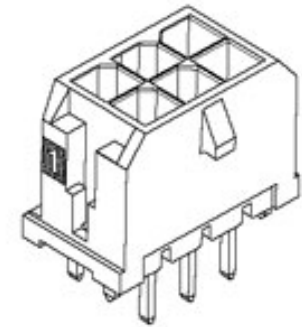**General**

Product Family	PCB Headers
Series	43045
Application	Power, 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. <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	800753842809

Physical

Breakaway	No
Circuits (Loaded)	22
Circuits (maximum)	22
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	Yes
Lock to Mating Part	Yes
Mated Height	17.64mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin

EU ELV
Not Relevant

EU RoHS   **China RoHS**
Compliant

REACH SVHC
Not Contained Per -
ED/30/2017 (7 July 2017)

Halogen-Free Status
Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the Contact Us section for any non-product compliance questions.

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

Material - Resin	High Temperature Thermoplastic
Net Weight	2.917/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.18mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.254µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	5.0A
Voltage - Maximum	600V

Solder Process Data

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

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0314
Product Specification	PS-43045, TS-43045-001-001, TS-46235-001-001
Sales Drawing	SD-43045-010
Test Summary	430450004-TS-000