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Part Number: 0430451213

Status: **Active**

Overview: Micro-Fit Connector System

Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 12 Circuits, with PCB Polarizing Peg, Gold, Glow-Wire Capable, Black

Series image - Reference only

Documents:

3D Model	Test Summary TS-43045-001-001 (PDF)
3D Model (PDF)	Test Summary TS-43045-002-001 (PDF)
Drawing (PDF)	Test Summary TS-46235-001-001 (PDF)
Product Specification 430450001-PS-KO-000 (PDF)	Datasheet (PDF)
Product Specification 430450001-PS-SP-000 (PDF)	Symbol Footprint Data SYM-43045-1212-001 (PDF)
Product Specification PS-43045-001 (PDF)	Symbol Footprint Data SYM-43045-121X-001 (PDF)
Packaging Specification PK-70873-0314-001 (PDF)	RoHS Certificate of Compliance (PDF)
Test Summary 430450006-TS-000 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

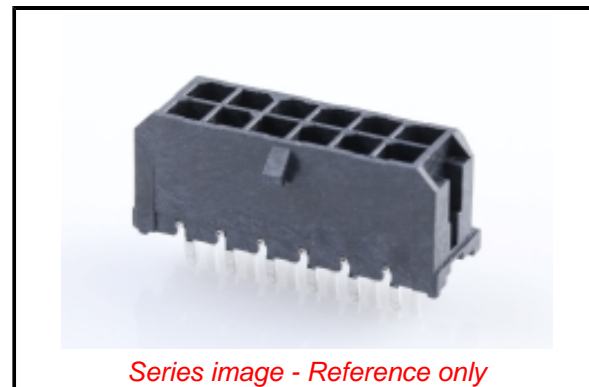### General

Product Family	PCB Headers
Series	43045
Application	Power, Wire-to-Board
Comments	High Temperature, Square Pin, Offset Through Hole Mounting, 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
Overview	Micro-Fit Connector System
Product Name	Micro-Fit 3.0
Taxonomy	PCB Headers and Receptacles
UPC	800753757264

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes

EU ELV
Not Relevant

EU RoHS   **China RoHS**
Compliant

REACH SVHC
Not Contained per - D(2022)9120-DC (17 Jan 2023)

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

Mated Height   17.64mm
Material - Metal   Brass
Material - Plating Mating   Gold
Material - Plating Termination   Tin
Material - Resin   High Temperature Thermoplastic
Net Weight   1.686/g
Number of Rows   2
Orientation   Vertical
PCB Locator   Yes
PCB Retention   Yes
PCB Thickness - Recommended   1.60mm
Packaging Type   Tray
Pitch - Mating Interface   3.00mm
Plating min - Mating   0.381µm
Polarized to PCB   Yes
Shrouded   Fully
Stackable   No
Surface Mount Compatible (SMC)   Yes
Temperature Range - Operating   -40° to +125°C
Termination Interface: Style   Through Hole - Kinked Pin

Electrical
Current - Maximum per Contact   8.5A
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-70873-0314-001
Product Specification   430450001-PS-KO-000, 430450001-PS-SP-000,
                                                  PS-43045-001
Sales Drawing   SD-43045-005-001
Symbol/Footprint Data   SYM-43045-1212-001, SYM-43045-121X-001
Test Summary   430450006-TS-000, TS-43045-001-001,
                                                  TS-43045-002-001, TS-46235-001-001

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