molex®
one company > a world of innovation

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0430451819

Status: **Active**

Overview: Micro-Fit Connector System

Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 18 Circuits, with Solder Tab, Gold, Glow-Wire Capable, Black, Tape and Reel

Series image - Reference only

Documents:

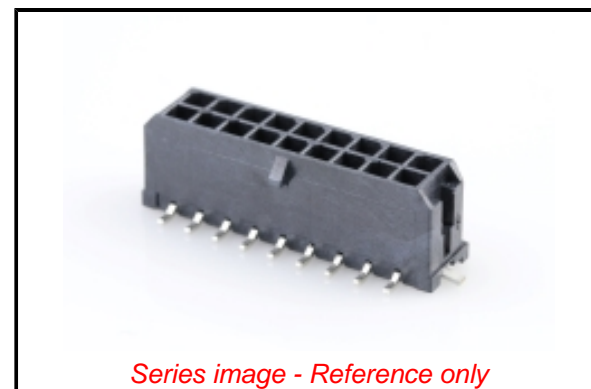|	
3D Model (PDF)	Test Summary 430450006-TS-000 (PDF)
Drawing (PDF)	Test Summary TS-43045-001-001 (PDF)
3D Model	Test Summary TS-43045-002-001 (PDF)
Product Specification 430450001-PS-KO-000 (PDF)	Test Summary TS-46235-001-001 (PDF)
Product Specification 430450001-PS-SP-000 (PDF)	Datasheet (PDF)
Product Specification PS-43045-001 (PDF)	Symbol Footprint Data SYM-43045-1818-001 (PDF)
Packaging Specification 430450002-PK-000 (PDF)	RoHS Certificate of Compliance (PDF)

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 Connector System
Product Name	Micro-Fit 3.0
UPC	800753839533

Physical

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Mated Height	17.64mm
Material - Metal	Brass

EU ELV
Not Relevant

EU RoHS **China RoHS**
Compliant
REACH SVHC
Not Contained Per - D(2021)4569-DC (8 July 2021)
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

Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.617/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 +125°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	430450002-PK-000
Product Specification	430450001-PS-KO-000, 430450001-PS-SP-000, PS-43045-001
Sales Drawing	SD-43045-007-001
Symbol/Footprint Data	SYM-43045-1818-001
Test Summary	430450006-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Headers & Wire Housings *category:*

Click to view products by Molex *manufacturer:*

Other Similar products are found below :

892-18-020-10-001101 58102-G61-06LF 582553-1 0009485154 009176003701906 0050291907 LY20-4P-DT1-P1E-BR 02.125.8002.8 609-3404 61062-3 622-0430 622-3653LF 63453-116 636-1030 636-1427 636-3427 636-4007 641938-9 641991-4 644827-2 65817-010LF 65817-015LF 65863-015LF 66207-023LF 67095-007LF 67601157 68648-049 70.362.1628.0 70-4210 70-4226B 70-4853B 707-5020 707-5028 71.350.2428.0 71918-208LF 71961-016LF 733-134 733-162 754199-000 760-3052 787-8014-00 79531-3000 FCN-360C032-B FCN-367T-T012/H FCN-723D010/2 80.063.4001.1 800-90-001-10-001000 800-90-010-10-002000 801-43-002-10-013000 801-43-006-10-002000