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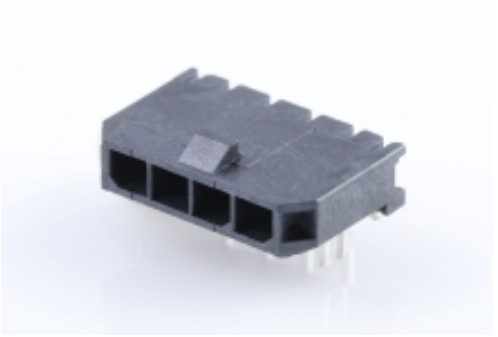
Part Number: 0436500405
Status: Active
Overview: Micro-Fit Connector System
Description: Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 4 Circuits, with PCB Press-fit Metal Retention Clip, Gold, Glow-Wire Capable, Black



Series image - Reference only

Documents:

- 3D Model (PDF)
- 3D Model
- Drawing (PDF)
- Product Specification 436500001-PS-JA-000 (PDF)
- Product Specification 436500001-PS-KO-000 (PDF)
- Product Specification 436500001-PS-SP-000 (PDF)
- Product Specification PS-43650-001 (PDF)
- Packaging Specification PK-70873-0321-001 (PDF)
- Test Summary 430450006-TS-000 (PDF)
- Test Summary TS-43045-001-001 (PDF)
- Test Summary TS-43045-002-001 (PDF)
- Test Summary TS-46235-001-001 (PDF)
- Datasheet (PDF)
- Symbol Footprint Data SYM-43650-0403-001 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	43650
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
Overview	Micro-Fit Connector System
Product Name	Micro-Fit 3.0
Taxonomy	PCB Headers and Receptacles
UPC	800754027014

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Mated Height	6.98mm

EU ELV
Not Relevant

EU RoHS | **China RoHS**
Compliant

REACH SVHC
Not Contained Per - D(2022)4187-DC (10 June 2022)

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
43650 Series

Mates With
Micro-Fit 3.0 Receptacle Housing 43645
Micro-Fit 3.0 TPA Receptacle Housing 171850
 Micro-Fit 3.0 Cable Assembly 2147502041 , 2147502042 , 2147502043 , 2147512041 , 2147512042 , 2147512043

Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.914/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
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

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-70873-0321-001
Product Specification	436500001-PS-JA-000, 436500001-PS-KO-000, 436500001-PS-SP-000, PS-43650-001
Sales Drawing	SD-43650-002-000
Symbol/Footprint Data	SYM-43650-0403-001
Test Summary	430450006-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001