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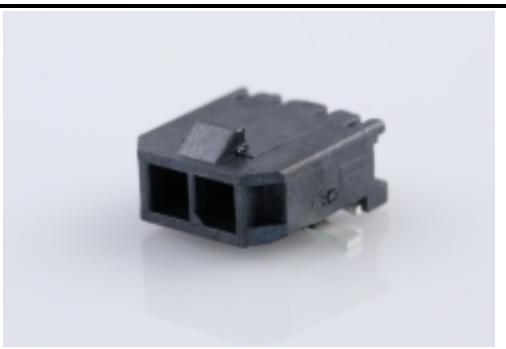
Part Number: 0436500213
Status: Active
Overview: Micro-Fit Connector System
Description: Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 2 Circuits, with Solder Tab, Gold, Glow-Wire Capable, Black, Tape and Reel



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 436500001-PK-000 (PDF)
Packaging Specification 708730000-PK-000 (PDF)
Test Summary 430450005-TS-000 (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-43650-0212-001 (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.
Overview	Micro-Fit Connector System
Product Name	Micro-Fit 3.0
Taxonomy	PCB Headers and Receptacles
UPC	800753342767

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
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 2147502021 , 2147502022 , 2147502023 , 2147512021 , 2147512022 , 2147512023

Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.557/g
Number of Rows	1
Orientation	Right Angle
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
Plating min - Termination	2.540µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
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	436500001-PK-000, 708730000-PK-000
Product Specification	436500001-PS-JA-000, 436500001-PS-KO-000, 436500001-PS-SP-000, PS-43650-001
Sales Drawing	SD-43650-005-001
Symbol/Footprint Data	SYM-43650-0212-001
Test Summary	430450005-TS-000, 430450006-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001