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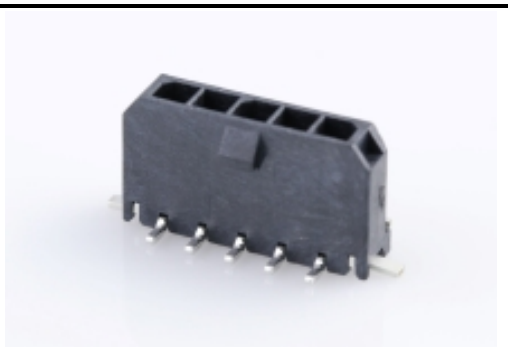
Part Number: 0436500513
Status: Active
Overview: Micro-Fit Connector System
Description: Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 5 Circuits, with Solder Tab, Gold, Glow-Wire Capable, Black, Tape and Reel



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 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-43650-0512-001 (PDF)
RoHS Certificate of Compliance (PDF)

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
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 2147502051 , 2147502052 , 2147502053 , 2147512051 , 2147512052 , 2147512053

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<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	800754250092

Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Mated Height	6.98mm

Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.958/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-43650-0512-001
Test Summary	430450006-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001