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Part Number:

0436500801

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 8 Circuits, with Snap-in Plastic Peg PCB Lock, Gold, Glow-Wire Capable, Black

Documents:

- [Drawing \(PDF\)](#)

[3D Model \(PDF\)](#)

[3D Model](#)

[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-43650-0800-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Application

Comments

PCB Headers

43650

Power, Wire-to-Board

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

Product Name

UPC

Micro-Fit Connector System

Micro-Fit 3.0

800754015783

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Capable

Mated Height

No

8

8

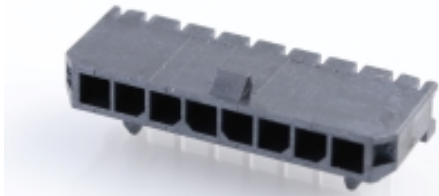
Black

30

94V-0

Yes

6.98mm



Series image - Reference only

EU ELV

Not Relevant

EU 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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

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
[2147502081](#) , [2147502082](#) , [2147502083](#) ,
[2147512081](#) , [2147512082](#) , [2147512083](#)

Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.466/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	0.381μm
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-43650-001-000
Symbol/Footprint Data	SYM-43650-0800-001
Test Summary	430450006-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001

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Mouser Electronics

Authorized Distributor

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[43650-0801](#)