



Part Number : 5018645081

Product Description : 0.50mm Pitch Easy-On FFC/FPC-to-Board Connector, Receptacle Housing Assembly, Right-Angle, Surface Mount, with Grounding Terminals, Tin-Bismuth Plating, 50 Circuits

Series Number : 501864

Status : Active

Product Category : FFC / FPC Connectors

Documents & Resources

Drawings

Drawing 5018645081\_sd.pdf

3D Models and Design Files

2D Drawing DXF 5018645081.dxf

2D Drawing DXF (PDF) 5018645081.pdf

3D Model 5018645081\_stp.zip


Specifications

Packaging Specification 5018649200-SPK-200.pdf

Product Specification PS-501864-003-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	FFC / FPC Connectors
Series	501864
Description	0.50mm Pitch Easy-On FFC/FPC-to-Board Connector, Receptacle Housing Assembly, Right-Angle, Surface Mount, with Grounding Terminals, Tin-Bismuth Plating, 50 Circuits
Comments	Requires a custom FFC/FPC with notches
Product Family	Easy-On FFC FPC Connectors
Product Name	Easy-On
UPC	800756937403

#### Agency

UL	E29179
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#### Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V

#### Physical

Actuator Type	Flexi-Latch
Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Black
Contact Position	Bottom
Durability (mating cycles max)	20
Flammability	94V-0

Mated Height	4.85mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin-Bismuth
Material - Plating Termination	Tin-Bismuth
Material - Resin	Liquid Crystal Polymer
Net Weight	1059.892/mg
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Mounting	Surface Mount
PCB Retention	Yes
Pitch - Mating Interface	0.50mm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-40° to +85°C
Wire/Cable Type	FFC/FPC

## Solder Process Data

Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	250

## Use with Part(s)

Description	Part Number
0.50mm Pitch FFC-to-Board Plug Jacket, 50 Circuits	<a href="/content/molex/molex-dot-com/us/en/products/product-page.html/5031505009.html">/content/molex/molex-dot-com/us/en/products/product-page.html/5031505009.html</a>
0.50mm Pitch FFC-to-Board Plug Jacket Cover, 50 Circuits	<a href="/content/molex/molex-dot-com/us/en/products/product-page.html/5031515009.html">/content/molex/molex-dot-com/us/en/products/product-page.html/5031515009.html</a>