Part Number : 5018645091

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

Series Number : 501864

Status : Active

Product Category : FFC / FPC Connectors

Documents & Resources

Drawings

Drawing_5018645091_sd.pdf

3D Models and Design Files

2D Drawing DXF_5018645091.dxf

2D Drawing DXF (PDF)_5018645091.pdf

3D Model_5018645091_stp.zip

Specifications

Packaging Specification_5018649200-SPK-200.pdf

Product Specification_PS-501864-004-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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

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, Gold (Au) Plating, 50 Circuits
Comments	Requires a custom FFC/FPC with notches
Product Family	Easy-On FFC FPC Connectors
Product Name	Easy-On
UPC	887191465050

Agency

UL	E29179

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	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	1055.692/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
Plating min - Mating	0.100µm
Plating min - Termination	0.051µm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C
Wire/Cable Type	FFC/FPC

Solder Process Data

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

Mates With / Use With

Mates with Part(s)

Description	Part Number
0.50mm Pitch Premo-Flex LVDS Jumpers	15022

Use with Part(s)

Description	Part Number
0.50mm Pitch FFC-to-Board Plug Jacket, 50 Circuits	/content/molex/molex-dot-com/us/en/products/product-page.html/5031505009.html

0.50mm Pitch FFC-to-Board Plug Jacket Cover, 50 Circuits	/content/molex/molex-dot-com/us/en/products/product-page.html/5031515009.html