Part Number : 5018645091
Product Description : Easy-On FFC/FPC-to-Board Connector, 0.50mm Pitch, 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 and Resources

Drawings

5018645091_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

5018645091.dxf

Specifications

5018649200-SPK-200.pdf

PS-501864-004-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	FFC / FPC Connectors
Series	501864
Description	Easy-On FFC/FPC-to-Board Connector, 0.50mm Pitch, Receptacle Housing Assembly, Right-Angle, Surface Mount, with Grounding Terminals, Gold (Au) Plating, 50 Circuits
Comments	Requires a custom FFC/FPC with notches
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
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 (LCP)
Net Weight	1055.692/mg
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Mounting	Surface Mount
PCB Retention	No
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, 100±10 Ohms Differential Impedance	15022
0.50mm Pitch Premo-Flex LVDS Jumpers, 90±10 Ohms Differential Impedance	15922

Use with Part(s)

Description	Part Number
0.50mm Pitch FFC-to-Board Plug Jacket, 50 Circuits	5031505009
0.50mm Pitch FFC-to-Board Plug Jacket Cover, 50 Circuits	5031515009