



Part Number : 5017865091

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

Series Number : 501786

Status : Active

Product Category : FFC / FPC Connectors

Documents & Resources

Drawings

Drawing 5017865091\_sd.pdf

3D Models and Design Files

2D Drawing DXF 5017865091.dxf

2D Drawing DXF (PDF) 5017865091.pdf

3D Model 5017865091\_stp.zip


Specifications

Packaging Specification SPK-501786-001-001.pdf

Product Specification PS-501786-004-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
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	501786
Description	0.50mm Pitch Easy-On FFC/FPC-to-Board Connector, Receptacle Housing Assembly, Vertical, Surface Mount, with Grounding Terminals, Separated 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	883906751302

#### Electrical

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

#### Physical

Actuator Type	Flexi-Latch
Circuits (Loaded)	50
Color - Resin	Black
Contact Position	N/A
Durability (mating cycles max)	20
Mated Height	8.95mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer

Net Weight	863.843/mg
Orientation	Vertical
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 +105°C
Wire/Cable Type	FFC/FPC

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
0.50mm Pitch Premo-Flex LVDS Jumpers	<u>15022</u>

### Use with Part(s)

Description	Part Number
0.50mm Pitch FFC-to-Board Plug Jacket, 50 Circuits	<u><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></u>
0.50mm Pitch FFC-to-Board Plug Jacket Cover, 50 Circuits	<u><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></u>
0.50mm Pitch FFC-to-Board Plug Jacket, 50 Circuits	<u><a href="/content/molex/molex-dot-com/us/en/products/product-page.html/5017835009.html">/content/molex/molex-dot-com/us/en/products/product-page.html/5017835009.html</a></u>