



Part Number : 5017868090

Series Number : 501786

Product Category : FFC / FPC Connectors

Product Description : 0.50mm Pitch Easy-On FFC/FPC-to-Board Connector, Receptacle Housing Assembly, Vertical, Surface Mount, without Grounding Terminals, Separated Gold (Au) Plating, 80 Circuits

Status : Active


Documents & Resources

- Drawings
- Drawing 5017868090\_sd.pdf
- 3D Models and Design Files
- 2D Drawing DXF 5017868090.dxf
- 2D Drawing DXF (PDF) 5017868090.pdf
- 3D Model 5017868090\_stp.zip

- Specifications
- Packaging Specification SPK-501786-001-001.pdf
- Product Specification PS-501786-001-001.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	501786
Description	0.50mm Pitch Easy-On FFC/FPC-to-Board Connector, Receptacle Housing Assembly, Vertical, Surface Mount, without Grounding Terminals, Separated Gold (Au) Plating, 80 Circuits
Comments	Requires a custom FFC/FPC with notches
Product Family	Easy-On FFC FPC Connectors
Product Name	Easy-On
UPC	822350307642

#### Electrical

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

#### Physical

Actuator Type	Flexi-Latch
Circuits (Loaded)	80
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	1099.586/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, 80 Circuits	<u><a href="/content/molex/molex-dot-com/us/en/products/product-page.html/5017838009.html">/content/molex/molex-dot-com/us/en/products/product-page.html/5017838009.html</a></u>
0.50mm Pitch FFC-to-Board Plug Jacket Cover, 80 Circuits	<u><a href="/content/molex/molex-dot-com/us/en/products/product-page.html/5017848009.html">/content/molex/molex-dot-com/us/en/products/product-page.html/5017848009.html</a></u>