molex

Part Number : 5017863080

Product Description : 0.50mm Pitch Easy-On FFC/FPC-to-Board Connector, Receptacle Housing Assembly, Vertical, Surface Mount, without Grounding Terminals, Tin-Bismuth Plating, 30 Circuits

Series Number : 501786

Status : Active

Product Category : FFC / FPC Connectors

Documents & Resources

Drawings
Drawing 5017863080_sd.pdf

3D Models and Design Files
2D Drawing DXF 5017863080.dxf
2D Drawing DXF (PDF) 5017863080.pdf
3D Model 5017863080_stp.zip

Specifications
Packaging Specification SPK-501786-001-001.pdf
Product Specification PS-501786-002-001.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(2024)4144-DC (27 June 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	501786
Description	0.50mm Pitch Easy-On FFC/FPC-to-Board Connector, Receptacle Housing Assembly, Vertical, Surface Mount, without Grounding Terminals, Tin-Bismuth Plating, 30 Circuits
Comments	Requires a custom FFC/FPC with notches
Product Family	Easy-On FFC FPC Connectors
Product Name	Easy-On
UPC	887191250632

Electrical

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

Physical

Actuator Type	Flexi-Latch
Circuits (Loaded)	30
Color - Resin	Black
Contact Position	N/A
Durability (mating cycles max)	20
Mated Height	8.95mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin-Bismuth
Material - Plating Termination	Tin-Bismuth
Material - Resin	Liquid Crystal Polymer

Net Weight	571.559/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 +85°C
Wire/Cable Type	FFC/FPC

Use with Part(s)

Description	Part Number
0.50mm Pitch FFC-to-Board Plug Jacket, 30 Circuits	/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/5017833009.html
0.50mm Pitch FFC-to-Board Plug Jacket Cover, 30 Circuits	/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/5017843009.html

This document was generated on Sep 17, 2024