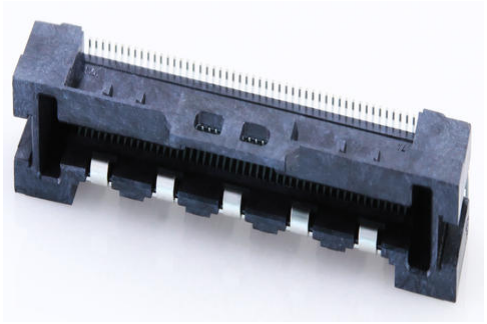
molex



Part Number : 5017865081
Product Description : 0.50mm Pitch Easy-On FFC/ FPC-to-Board Connector, Receptacle Housing Assembly, Vertical, Surface Mount, with Grounding Terminals, Tin-Bismuth Plating, 50 Circuits
Series Number : 501786
Status : Active
Product Category : FFC / FPC Connectors

Documents & Resources

Drawings

5017865081_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

5017865081.dxf

Specifications

SPK-501786-001-001.pdf

PS-501786-003-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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)4165-DC (25 June 2025)
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	501786
Description	0.50mm Pitch Easy-On FFC/FPC-to-Board Connector, Receptacle Housing Assembly, Vertical, Surface Mount, with Grounding Terminals, Tin-Bismuth Plating, 50 Circuits
Comments	Requires a custom FFC/FPC with notches
Product Name	Easy-On
UPC	800756937380

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	11.95mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin-Bismuth
Material - Plating Termination	Tin-Bismuth
Material - Resin	Liquid Crystal Polymer
Net Weight	866.643/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

Mates With / Use With

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