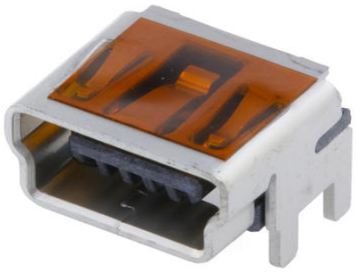
Part Number : 513870578
Product Description : Mini USB, B-Receptacle, Right-Angle, Short Body, Surface Mount Solder Tails and Through Hole Shell Tabs, with Cover Tape, Lead-Free
Series Number : 51387
Status : Active
Product Category : I/O Connectors



Documents & Resources

Drawings

513870578_sd.pdf

SPK-51387-002-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

PS-51387-002-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33; 34
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	I/O Connectors
Series	51387
Description	Mini USB, B-Receptacle, Right-Angle, Short Body, Surface Mount Solder Tails and Through Hole Shell Tabs, with Cover Tape, Lead-Free
Application	Wire-to-Board
Component Type	Receptacle
Product Name	USB
Standard	USB 2.0
Type	Mini-B
UPC	822348105311

Electrical

Current - Maximum per Contact	1.0A
Shielded	Yes
Shield Type	Full Shield
Voltage - Maximum	30V AC (RMS)/DC

Physical

Circuits (Loaded)	5

Circuits (maximum)	5
Color - Resin	Black
Gender	Female
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA), Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Mounting Style	Top-Mount
Net Weight	0.443/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
Panel Mount	No
PCB Locator	Yes
PCB Retention	Yes
Pitch - Mating Interface	0.80mm
Pitch - Termination Interface	0.80mm
Plating min - Mating	0.762µm
Plating min - Termination	1.016µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	0° to +50°C
Termination Interface Style	Surface Mount
Waterproof / Dustproof	No

Solder Process Data

Max-Duration	3
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	250