



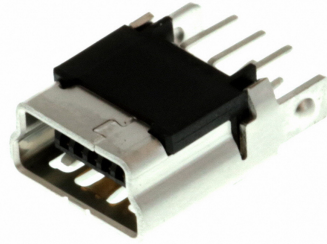
Part Number : [5022370517](#)

Product Description : USB Mini-B Receptacle, Vertical, Through Hole Solder Tails and Shell Tabs with Dimples

Series Number : 502237

Status : Active

Product Category : I/O Connectors



Documents & Resources

Drawings

[5022370517_sd.pdf](#)

[SPK-502237-001-001.pdf](#)

3D Models and Design Files


[5022370517_stp.zip](#)

Specifications

[PS-502237-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33; 34
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 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	I/O Connectors
Series	502237
Description	USB Mini-B Receptacle, Vertical, Through Hole Solder Tails and Shell Tabs with Dimples
Application	Wire-to-Board
Component Type	Receptacle
Product Name	USB
Standard	USB 2.0
Type	Mini-B
UPC	822350648158

Electrical

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

Physical

Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	5000
Gender	Female
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold

Material - Plating Termination	Tin
Mounting Style	Vertical
Net Weight	520.505/mg
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
Panel Mount	No
PC Tail Length	2.90mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.36mm
Pitch - Mating Interface	0.80mm
Pitch - Termination Interface	0.80mm
Plating min - Mating	0.760µm
Plating min - Termination	1.000µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-10° to +80°C
Termination Interface Style	Through Hole
Waterproof / Dustproof	No

Solder Process Data

Max-Duration	3
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	245

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	Mini USB Type B Cable
