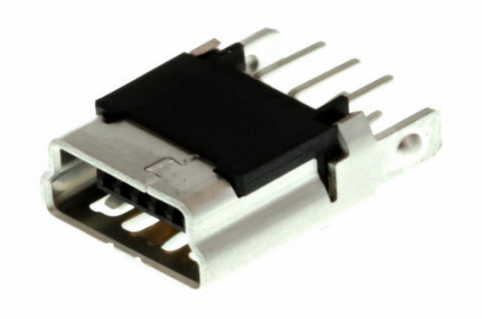
Part Number : 5022370517
Product Description : USB Mini-B Receptacle, Vertical, Through Hole Solder Tails and Shell Tabs with Dimples
Series Number : 502237
Status : Active
Product Category : I/O Connectors



Documents & Resources

Drawings

5022370517_sd.pdf

SPK-502237-001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

PS-502237-001-001.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	Not 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	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
Shielded	Yes
Shield Type	Full Shield
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
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.36mm
PC Tail Length	2.90mm
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