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**Part Number:** [5022370517](#)  
**Status:** **Active**  
**Overview:** [USB Products and Solutions](#)  
**Description:** USB Mini-B Receptacle, Vertical, Through Hole Solder Tails and Shell Tabs with Dimples

**Documents:**

[3D Model](#) [Product Specification PS-502237-001-001 \(PDF\)](#)  
[3D Model \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**General**

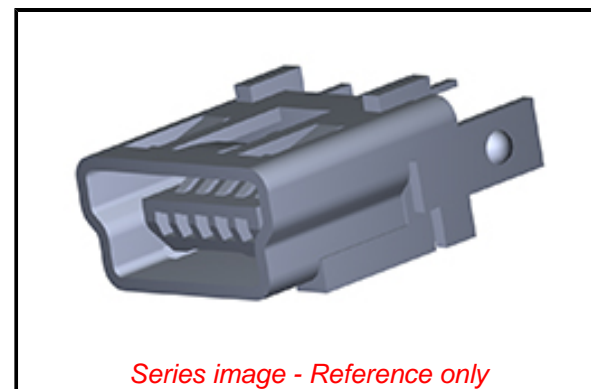
Product Family	I/O Connectors
Series	<a href="#">502237</a>
Application	Wire-to-Board
Component Type	Receptacle
Overview	<a href="#">USB Products and Solutions</a>
Product Name	USB 2.0
Type	Mini-B
UPC	822350648158

**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
Net Weight	520.505/mg
Number of Rows	1
Orientation	Vertical
PC Tail Length	2.90mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.36mm
Packaging Type	Tray
Panel Mount	No
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
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-10° to +80°C
Termination Interface: Style	Through Hole

**Electrical**

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



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[502237 Series](#)

**Mates With**

Mini USB Type B Cable

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	003
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	245

**Material Info****Reference - Drawing Numbers**

Product Specification	PS-502237-001-001
Sales Drawing	SD-502237-001, SD-502237-002

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