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Part Number: [0513870578](#)
Status: **Active**
Overview: USB Connectors: USB Type-A, USB Type-B, and USB Type-C Plugs and Receptacles
Description: Mini USB, B-Receptacle, Right-Angle, Short Body, Surface Mount Solder Tails and Through Hole Shell Tabs, with Cover Tape, Lead-Free

Documents:

Drawing (PDF)	Product Specification PS-51387-002-001 (PDF)
3D Model	Packaging Specification SPK-51387-002-001 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)

General

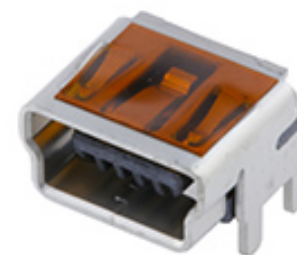
Product Family	I/O Connectors
Series	51387
Application	Wire-to-Board
Component Type	Receptacle
Overview	USB Connectors: USB Type-A, USB Type-B, and USB Type-C Plugs and Receptacles
Product Name	USB
Standard	USB 2.0
Taxonomy	I/O Connectors
Type	Mini-B
UPC	822348105311

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
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Panel Mount	No
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
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	0° to +50°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	1.0A
Shield Type	Full Shield



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

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

[51387 Series](#)

Mates With

[592053301](#) , [592049405](#)

Shielded	Yes
Voltage - Maximum	30V AC (RMS)/DC

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	250

Material Info**Reference - Drawing Numbers**

Packaging Specification	SPK-51387-002-001
Product Specification	PS-51387-002-001
Sales Drawing	SD-51387-003-001, SD-51387-004-001

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