Part Number : 476420001
Product Description : Micro-USB B Receptacle, Mid-Mount, with Through Hole Solder Tab, Gold (Au) Flash Plating, without Mylar, Lead-Free
Series Number : 47642
Status : Not Recommended For New Design
Product Category : I/O Connectors



Documents & Resources

Drawings

476420001_sd.pdf

PK-47642-001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

EE-47642-001-001.pdf

EE-47642-002-001.pdf

Specifications

PS-47642-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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	Not Recommended For New Design
Category	I/O Connectors
Series	47642
Description	Micro-USB B Receptacle, Mid-Mount, with Through Hole Solder Tab, Gold (Au) Flash Plating, without Mylar, Lead-Free
Application	Wire-to-Board
Comments	Signal contacts 1.0A, Power contacts 1.8A
Component Type	Receptacle
Product Name	USB
Standard	USB 2.0
Type	Micro-B
UPC	883906099435

Agency

UL	E107635

Electrical

Current - Maximum per Contact	1.8A, 1.0A

Grounding to Panel	Yes
Shielded	Yes
Shield Type	Full Shield
Voltage - Maximum	30V AC (RMS)

Physical

Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	10000
Flammability	94V-0
Gender	Female
Keying to Mating Part	Yes
Lock to Mating Part	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Mounting Style	Mid-Mount
Net Weight	0.280/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
Panel Mount	No
PCB Retention	None
Pitch - Mating Interface	0.65mm
Pitch - Termination Interface	0.65mm
Polarized to Mating Part	Yes
Ports	1
Temperature Range - Operating	-30° to +85°C
Termination Interface Style	Through Hole
Waterproof / Dustproof	No

Solder Process Data

Max-Duration	2

Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	255