Part Number : 1054440001
Product Description : Universal Serial Bus (USB) Shielded I/O Plug, Type C, Right-Angle, Surface Mount, 0.76µm Gold (Au) Plating, Tray
Series Number : 105444
Status : Active
Product Category : I/O Connectors



Documents and Resources

Drawings

1054440001_sd.pdf

1054440001-PK.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

1045550001-000.pdf

1054440001-000.pdf

1054440001-TS.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
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	105444
Description	Universal Serial Bus (USB) Shielded I/O Plug, Type C, Right-Angle, Surface Mount, 0.76µm Gold (Au) Plating, Tray
Application	Wire-to-Board
Comments	Nickel underplating
Component Type	Plug
Product Name	USB
Standard	USB 3.2 Gen 2
Type	C
UPC	191128091886

Electrical

Current - Maximum per Contact	0.25A, 1.25A, 5.0A
Grounding to Panel	None
Shielded	Yes
Shield Type	Full Shield
Voltage - Maximum	30V AC (RMS)

Physical

Circuits (Loaded)	22
Circuits (maximum)	22
Color - Resin	Black
Durability (mating cycles max)	10000
Gender	Male
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Mounting Style	Top-Mount
Net Weight	0.633/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
Panel Mount	Yes
PCB Locator	Yes
PCB Retention	No
PCB Thickness - Recommended	0.80mm
Pitch - Mating Interface	0.50mm
Pitch - Termination Interface	0.50mm
Plating min - Mating	0.762µm
Plating min - Termination	3.048µm
Polarized to Mating Part	No
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-30° to +85°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number

USB Shielded I/O Type C Receptacle	105450
USB Shielded I/O Type C Receptacle	105455
USB Type C Right-Angle Shielded I/O Receptacles	201267
USB Type C Right-Angle Shielded I/O Receptacles	202410
USB Type C Right-Angle Shielded I/O Receptacles	203615
USB Type C Vertical Shielded I/O Receptacles	204711
USB Type C Right-Angle Shielded I/O Receptacles	205714
Universal Serial Bus (USB) Type C Right-Angle Shielded I/O Receptacles	213083
Universal Serial Bus (USB) Type C Right-Angle Shielded I/O Receptacles	213716
Universal Serial Bus (USB) Type C Upright Shielded I/O Receptacles	216989
Universal Serial Bus (USB) Type C Right-Angle Shielded I/O Receptacles	216990
Universal Serial Bus (USB) Type C Right-Angle Shielded I/O Receptacles	217175
Universal Serial Bus (USB) Type C Right-Angle Shielded I/O Receptacles	217176
Universal Serial Bus (USB) Type C Right-Angle Shielded I/O Receptacles	217177
Universal Serial Bus (USB) Type C Vertical Shielded I/O Receptacles	217178
Universal Serial Bus (USB) Type C Right-Angle Shielded I/O Receptacles	217179
Universal Serial Bus (USB) Type C Right-Angle Shielded I/O	217180

Receptacles	
Universal Serial Bus (USB) Type C Vertical Shielded I/O Receptacles	217182
Universal Serial Bus (USB) Type C Right-Angle Shielded I/O Receptacles	217183
Universal Serial Bus (USB) Type C Right-Angle Shielded I/O Receptacles	217184
Universal Serial Bus (USB) Type C Right-Angle Shielded I/O Receptacles	217804