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Part Number: [1054540101](#)
Status: **Active**
Overview: [USB Products and Solutions](#)
Description: Universal Serial Bus (USB) Shielded I/O Receptacle, Type C, Right Angle, Mid-Mount, Surface Mount, Gold (Au) Flash over 0.75µm Palladium Nickel Plating, 0.60mm Solder Tab

Documents:

[Drawing \(PDF\)](#) [Packaging Specification PK-105454-001-001 \(PDF\)](#)
[Product Specification PS-105448-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	I/O Connectors
Series	105454
Application	Wire-to-Board
Component Type	Receptacle
Overview	USB Products and Solutions
Product Name	USB 3.1
Type	C
UPC	889056555142

Physical

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	10000
Gender	Receptacle
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Palladium Nickel
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Net Weight	0.539/g
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	0.80mm, 1.00mm
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
Pitch - Mating Interface	0.50mm
Pitch - Termination Interface	0.50mm
Plating min - Mating	0.051µm (Au), 0.750µm (PdNi)
Plating min - Termination	0.051µm
Polarized to Mating Part	No
Polarized to PCB	Yes
Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-30°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.25A, 1.25A, 5.0A, See Product Specification
Grounding to Panel	None
Shield Type	Full Shield
Shielded	Yes



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2018 (15
January 2018)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[105454 Series](#)

Mates With

USB Type C Plug/Cable

Voltage - Maximum

30V AC/DC

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-105454-001-001

Product Specification

PS-105448-001-001

Sales Drawing

SD-105454-001-001

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