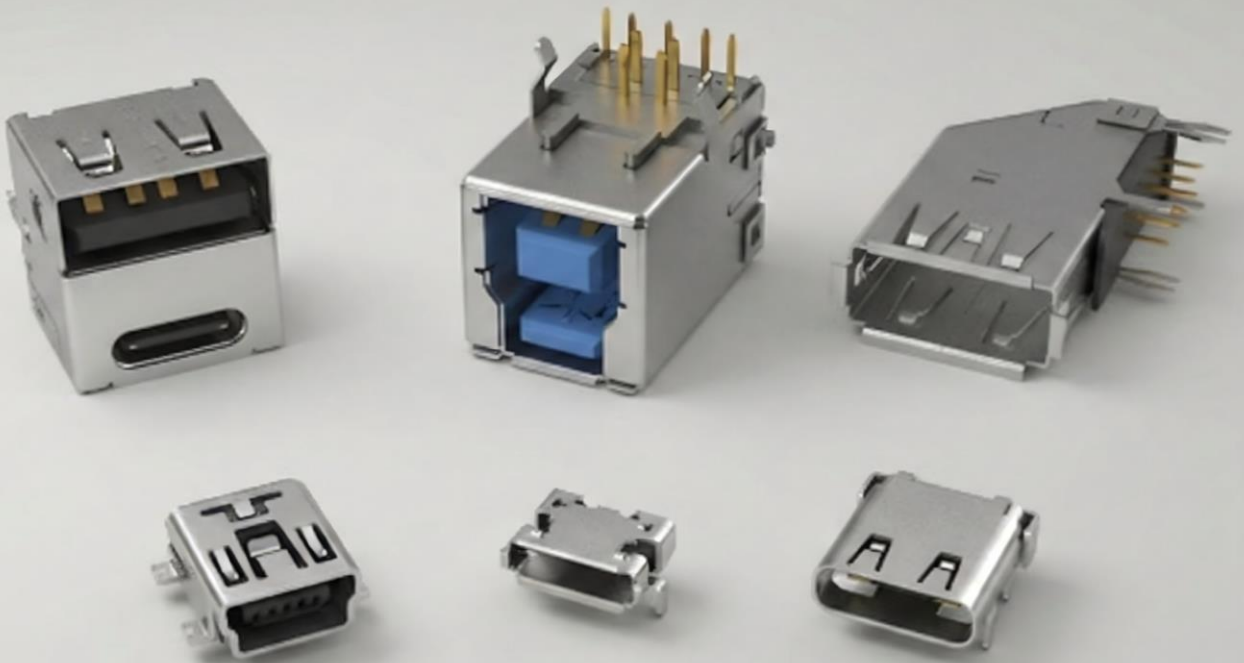


METABEE

USB Connectors





Metabee (Chengdu) Technology Co., Ltd.

180+
Countries

300+
Workers

20,000 M²
Production Workshop

16M
Group Assets

Metabee (Chengdu) Technology Co., Ltd. established in 2022 located in Sichuan Province with convenient transportation. Our associated factory Jiangmen Dosin specialize in producing RF connectors, M series connectors, and cables.

We are committed to being the world's leading Manufacturer of electronic connectors and industrial cables. We have developed more than 20 product series and more than 5,000 varieties. These products have been widely sold to many countries and regions around the world. They are mainly used for outdoor lighting automation machinery, new energy vehicles, charging equipment, electricity generation facilities, and other industries.

We can also support OEM ODM and customized related products. All products have owned American UL, German TUV, and Europe CE ROHS certifications and have several design patents. Our associated factory has production workshop with an area of 20,000 square meters, more than 300 employees, 30 international advanced production lines, and tens of precision testing equipment. Moreover, we have constructed a specialized laboratory for product research and development. Our reliable product quality, good service, and rapid technical have helped us win many customers in China and overseas markets.

Metabee (Chengdu) Technology Co., Ltd. has become the leading technology and scale Enterprise in the connector field. We have a reliable reputation among our customers because of our professional services, quality products, and competitive prices. We welcome customers from home and abroad to cooperate with us for Common success.



USB Connectors

1. Overview

METABEE USB, USB4, Mini USB, Micro USB, and USB Type C 3.1 series connectors are a complete line of shielded, hot pluggable, high speed I/O interface connectors available in a variety of body styles, sizes, positions and mounting orientations.

Each is shielded for superior EMI/RFI protection and features spring contacts for exceptional connectivity properties. Specially designed shells with flares eliminate misconnection and kinked boardlocks add a strong, stable PCB attachment. An ideal solution for low cost, high speed connection to peripheral devices.

Features & Specifications

Features:

- Type A, B, AB, A4, and C
- USB-IF Compatible
- High Speed I/O applications
- Variety of Circuit sizes
- Variety of Body Styles
- Shielded for EMI/RFI protection

Mating Connectors:

All industry standard USB products

Packaging:

Anti-ESD plastic trays or tubes

Specifications:

Material:

Standard insulator: PBT, Glass filled, rated UL94V-0

Optional Hi-Temp insulator: Nylon PA9T, rated UL94V-0

Insulator Color: Black (White optional)

Contacts: Phosphor Bronze or Brass

Shell: Steel, nickel plated

Contact Plating:

Gold over Nickel on mating area,
Tin over Copper underplate on tails

Electrical:

Operating Voltage: 30V AC

Current Rating: 1 Amp max.

Contact Resistance: 30 m Ω max.

Insulation Resistance: 1000 M Ω min.

Dielectric Withstanding Voltage: 100V AC for 1 minute

Mechanical:

Insertion force: 3 oz max.

Withdrawal force: 0.5 oz min.

Temperature Ratings:

Operating Temperature: -55°C to +85°C

Soldering process temperature:

- Standard insulator: 235°C
- Hi-Temp insulator: 260°C

Part Number Configuration

USB - A - S - RA - SMT

Series:	Type:	Ports:	Mounting Angle:	Options:
USB = Universal Serial Bus	A = USB Type "A"	S = Single port	RA = Right Angle	See below
MUSB = Mini USB	AB = USB Type "AB" (Mini) mid-mount	D = Dual port	RU = Right Angle Upright	
MCR = Micro USB	ABI = USB Type AB (Mini Top Mount)	T = Triple port	VT = Vertical Mount	
	AP = USB Type A Plug	Q = Quad port	S = Wire Termination (Plug Only)	
	A3 = USB 3.0 Type "A"			
	A4 = USB 4.0 Type "A"			
	B = USB Type "B"			
	B3 = USB 3.0 Type "B"			
	B4 = USB Type "B" (Mini) 4 pin			
	B5 = USB Type "B" (Mini) 5 pin			
	BP = USB Type "B" Plug			
	C20 = USB 2.0 Type "C"			
	C31 = USB 3.1 Type "C"			
	C40 = USB 4.0 Type "C"			

Options:

Add designator(s) to end of part number

15 = 15u" Gold

30 = 30u" Gold

BK = Black Body

EH = Edge Hang

EH1 = Edge Hang type 1

HF = Halogen Free

HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for

thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)

KT = Mylar

MF = With Mounting Flange

NF = No Flange

NK = No Kink

NP = No Peg

PG = Peg

PP = Pick and Place Cap

R = Reverse

SMT = Surface Mount Leads with Hi-Temp

insulator for Hi-Temp soldering processes up to 260°C

SS = Short Shield

TF = Top Flange

T/R = Tape & Reel packaging

TSMT = True Surface Mount Leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

WP = Waterproof

WT = White color insulator

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
MCR-7P-S-RA-SMT-GY	Receptacle	Micro USB		Right Angle Surface Mount	Single Port
MCR-AB-MPLUG-01	Plug	Micro USB	AB Mid-Mount		
MCR-AB-S-RA-SMT-CS1	Receptacle	Micro USB	AB Mid-Mount	Right Angle Surface Mount	Single Port
MCR-AB-S-RA-SMT-NP	Receptacle	Micro USB	AB Mid-Mount	Right Angle Surface Mount	Single Port
MCR-AB-S-RA-SMT-WP-EH-TR	Receptacle	Micro USB	AB Mid-Mount	Right Angle Surface Mount	Single Port
MCR-AB-S-RA-TSMT-CS2-TR	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port
MCR-AB-S-RA-TSMT-CS3-TR	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port
MCR-AB-S-RA-TSMT-NCS1	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port
MCR-AB-S-RA-TSMT-P-CS2-TR	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port
MCR-AB-S-V-TSMT-P-TR	Receptacle	Micro USB	AB Mid-Mount	Vertical Surface Mount	Single Port
MCR-AB-S-VT	Receptacle	Micro USB	AB Mid-Mount	Vertical Thru Hole	Single Port
MCR-AB-S-VT-1.99	Receptacle	Micro USB	AB Mid-Mount	Vertical Thru Hole	Single Port
MCR-AB-S-VT-TR	Receptacle	Micro USB	AB Mid-Mount	Vertical Thru Hole	Single Port
MCR-ABI-S-RA-SMT-CS1-KT-TR	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port
MCR-ABI-S-RA-SMT-CS1-TR	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port
MCR-ABI-S-RA-SMT-CS2-NF-TR	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port
MCR-ABI-S-RA-SMT-TR	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port
MCR-AB3-RA-SMT	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port
MCR-AB3-RA-SMT-CS1	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port
MCR-AB3-RA-SMT-PD	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port
MCR-AB3-RA-SMT-PD-TR	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port
MCR-AB3-RA-TSMT	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port
MCR-AB3-RA-TSMT-I5	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port
MCR-AB3-RA-TSMT-CS1	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port
MCR-AB3-RA-TSMT-CS1-I5	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port
MCR-AB3-RA-TSMT-CS1-I5-TR	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port
MCR-AB3-RA-TSMT-CS1-HF	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port
MCR-AB3-RA-TSMT-CS1-HF-TR	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port
MCR-AP3	Plug	Micro USB	Type A 3.0		
MCR-B-MPLUG-01	Plug	Micro USB	Type B		
MCR-B-MPLUG-011-HF	Plug	Micro USB	Type B		
MCR-B-MPLUG-02	Plug	Micro USB	Type B		
MCR-B-MPLUG-03	Plug	Micro USB	Type B		
MCR-B-MPLUG-04-NS	Plug	Micro USB	Type B		
MCR-B-MPLUG-05	Plug	Micro USB	Type B		
MCR-B-MPLUG-06	Plug	Micro USB	Type B		
MCR-B-MPLUG-07	Plug	Micro USB	Type B		
MCR-B-MPLUG-08	Plug	Micro USB	Type B		
MCR-B-MPLUG-09	Plug	Micro USB	Type B		
MCR-B-MPLUG-CS3	Plug	Micro USB	Type B		
MCR-B-MPLUG-CS5-XC	Plug	Micro USB	Type B		

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
MCR-B-MPLUG-CS8	Plug	Micro USB	Type B 5 Pin		
MCR-B-S-PLUG-01	Plug	Micro USB	Type B		
MCR-B-S-PLUG-01-NC	Plug	Micro USB	Type B		
MCR-B-S-PLUG-01A	Plug	Micro USB	Type B		
MCR-B-S-RA-M2-SMT	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-CSI-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-CSI0-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-CSI4-T/R	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-CS3-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-CS5-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-CS5A-NF-T/R	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-CS7-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-CS9-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-EH4-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-EH4A	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-EH4B-T/R	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-EH6-INV-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-INV-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-NP-CS2-15-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-NP-CS2-30-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-NP-CS2-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-NP-CS4-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-NP-CS6B	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-NP-CS6B-T/R	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-SMT-WP-EH-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port
MCR-B-S-RA-TSMT-CSI-WP-T/R	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-CS3-30-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-CS3-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-CS4A-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-CS4B-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-CS4C-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-EH1A-SST-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-EH2-15-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-EH2-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-EH3	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-EH5-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-INV-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-NP-CS2-30-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-NP-CS2-T/R	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-NP-CS2-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-NP-CS3-30-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
MCR-B-S-RA-TSMT-NP-CS3-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-NP-CS4-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-NP-CS4C-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-NP-CS5	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-NP-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-SG-INV-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-RA-TSMT-WP-MMF-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port
MCR-B-S-V-SMT	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port
MCR-B-S-V-SMT-CSI-10-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port
MCR-B-S-V-SMT-CSI-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port
MCR-B-S-V-SMT-P-CSI-10-PP-T/R	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port
MCR-B-S-V-SMT-P-CSI-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port
MCR-B-S-V-TSMT-P-CSI-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port
MCR-B-S-VT-01	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port
MCR-B-S-VT-01-15	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port
MCR-B-S-VT-01-15-TR	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port
MCR-B-S-VT-01-30	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port
MCR-B-S-VT-01-30-TR	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port
MCR-B-S-VT-01-TR	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port
MCR-B-S-VT-02	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port
MCR-B-S-VT-02-30-TR	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port
MCR-B-S-VT-02-TR	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port
MCR-B-S-VT-SMT-01	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port
MCR-B-S-VT-SMT-01-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port
MCR-B-S-VT-SMT-WP-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port
MCR-B3-MPLUG-01	Plug	Micro USB	Type B 3.0		
MCR-B3-RA-SMT-CSIX-HF-TR	Receptacle	Micro USB	Type B 3.0	Right Angle Surface Mount	Single Port
MCR-B3-RA-SMT-CSIX-TR	Receptacle	Micro USB	Type B 3.0	Right Angle Surface Mount	Single Port
MCR-B3-RA-TSMT	Receptacle	Micro USB	Type B 3.0	Right Angle True SMT	Single Port
MCR-B3-RA-TSMT-15	Receptacle	Micro USB	Type B 3.0	Right Angle True SMT	Single Port
MCR-B3-RA-TSMT-TR	Receptacle	Micro USB	Type B 3.0	Right Angle True SMT	Single Port
MCR-B3-V-SMT-P-MF-PP-TR	Receptacle	Micro USB	Type B 3.0	Vertical Surface Mount	Single Port
MCR-BP3	Plug	Micro USB	Type B 3.0		
MUSB-10P-P3-S	Plug	Mini USB	10 Pin		
MUSB-10P-PLUG	Plug	Mini USB	10 Pin		
MUSB-10P-PLUG-PC	Plug	Mini USB	10 Pin		
MUSB-10P-S-RA-SMT-KT-TR	Receptacle	Micro USB	10 Pin	Right Angle Surface Mount	Single Port
MUSB-10P-S-RA-TSMT	Receptacle	Mini USB	10 Pin	Right Angle True SMT	Single Port
MUSB-10P-S-RA-TSMT-1	Receptacle	Mini USB	10 Pin	Right Angle True SMT	Single Port
MUSB-10P-S-RA-TSMT-TR	Receptacle	Mini USB	10 Pin	Right Angle True SMT	Single Port

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
MUSB-12P-S-RA-SMT	Receptacle	Mini USB	12 Pin	Right Angle Surface Mount	Single Port
MUSB-14P-PLUG	Plug	Mini USB	14 pin		
MUSB-8P-PLUG-01	Plug	Mini USB	8 Pin		
MUSB-8P-PLUG-HT	Plug	Mini USB	8 Pin		
MUSB-8P-S-RA-SMT-01	Receptacle	Mini USB	8 Pin	Right Angle Surface Mount	Single Port
MUSB-8P-S-RA-SMT-01-TR	Receptacle	Mini USB	8 Pin	Right Angle Surface Mount	Single Port
MUSB-8P-S-RA-TSMT-01-10	Receptacle	Mini USB	8 Pin	Right Angle True SMT	Single Port
MUSB-A-S-RA-SMT	Receptacle	Mini USB	Type A	Right Angle Surface Mount	Single Port
MUSB-A-S-RA-SMT-30-TR	Receptacle	Mini USB	Type A	Right Angle Surface Mount	Single Port
MUSB-A-S-RA-SMT-TR	Receptacle	Mini USB	Type A	Right Angle Surface Mount	Single Port
MUSB-A-S-RA-TSMT-CSI-KT-TR	Receptacle	Mini USB	Type A	Right Angle True SMT	Single Port
MUSB-A4-PLUG-SK-OM	Plug	Mini USB	Type A4		
MUSB-A4-S-RA-TSMT-XX	Receptacle	Mini USB	Type A4	Right Angle True SMT	Single Port
MUSB-A4-S-RA-TSMT-XX-CSI	Receptacle	Mini USB	Type A4	Right Angle True SMT	Single Port
MUSB-AB-P-S-S	Plug	Mini USB	AB Mid-Mount		
MUSB-AB-S-RA	Receptacle	Mini USB	AB Mid-Mount	Right Angle Thru Hole	Single Port
MUSB-AB-S-RA-SMT	Receptacle	Mini USB	AB Mid-Mount	Right Angle Surface Mount	Single Port
MUSB-AB-S-RA-SMT-1	Receptacle	Mini USB	AB Mid-Mount	Right Angle Surface Mount	Single Port
MUSB-AB-S-RA-SMT-2	Receptacle	Mini USB	AB Mid-Mount	Right Angle Surface Mount	Single Port
MUSB-AB-S-RA-TSMT	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port
MUSB-AB-S-RA-TSMT-KT-TR	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port
MUSB-AB-S-RA-TSMT-TR	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port
MUSB-ABI-S-RA-SMT	Receptacle	Mini USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port
MUSB-ABI-S-RA-SMT-30-TR	Receptacle	Mini USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port
MUSB-ABI-S-RA-SMT-TR	Receptacle	Mini USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port
MUSB-ABI-S-RA-TSMT	Receptacle	Mini USB	AB Mini Top Mount	Right Angle True SMT	Single Port
MUSB-ABI-S-RA-TSMT-HF-TR	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port
MUSB-ABI-S-RA-TSMT-KT-TR	Receptacle	Mini USB	AB Mini Top Mount	Right Angle True SMT	Single Port
MUSB-ABI-S-RA-TSMT-NP	Receptacle	Mini USB	AB Mini Top Mount	Right Angle True SMT	Single Port
MUSB-ABI-S-RA-TSMT-NP-TR	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port
MUSB-ABI-S-RA-TSMT-TR	Receptacle	Mini USB	AB Mini Top Mount	Right Angle True SMT	Single Port
MUSB-AB10-PLUG-CS2-HT	Plug	Mini USB	AB Mid-Mount		
MUSB-AP-S	Plug	Mini USB	Type A		
MUSB-B4-S-RA-SMT	Receptacle	Mini USB	Type B 4 Pin	Right Angle Surface Mount	Single Port
MUSB-B4-S-RA-SMT-30	Receptacle	Mini USB	Type B 4 Pin	Right Angle Surface Mount	Single Port
MUSB-B4-S-RA-SMT-TR	Receptacle	Mini USB	Type B 4 Pin	Right Angle Surface Mount	Single Port
MUSB-B4-S-RA-TSMT	Receptacle	Mini USB	Type B 4 Pin	Right Angle True SMT	Single Port
MUSB-B4-S-RA-TSMT-15	Receptacle	Mini USB	Type B 4 Pin	Right Angle True SMT	Single Port
MUSB-B5-P3-S4	Plug	Mini USB	Type B 5 Pin		
MUSB-B5-P3-S5	Plug	Mini USB	Type B 5 Pin		
MUSB-B5-PLUG-01	Plug	Mini USB	Type B 5 Pin		

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
MUSB-B5-PX-S5-XC	Plug	Mini USB	Type B 5 Pin		
MUSB-B5-S-RA	Receptacle	Mini USB	Type B	Right Angle Thru Hole	Single Port
MUSB-B5-S-RA-1	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port
MUSB-B5-S-RA-1-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port
MUSB-B5-S-RA-1-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port
MUSB-B5-S-RA-2	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port
MUSB-B5-S-RA-2A-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port
MUSB-B5-S-RA-SMT-001	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port
"MUSB-B5-S-RA-SMT-2,4"	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port
MUSB-B5-S-RA-SMT-EH-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port
MUSB-B5-S-RA-SMT-PP-T/R	Receptacle	Mini USB	Type B	Right Angle Surface Mount	Single Port
MUSB-B5-S-RA-TSMT-CS1	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-RA-TSMT-CS1-30-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-RA-TSMT-CS1-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-RA-TSMT-CS2-30	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-RA-TSMT-CS2-NP-30-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-RA-TSMT-CS3-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-RA-TSMT-CS4	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-RA-TSMT-HC	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-RA-TSMT-MM-1.7	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-RA-TSMT-MTS-KTTR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-RA-TSMT-NP	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-RA-TSMT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port
MUSB-B5-S-VT	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port
MUSB-B5-S-VT-02	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port
MUSB-B5-S-VT-30	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port
MUSB-B5-S-VT-LSP	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port
MUSB-B5-S-VT-LSP-30	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port
MUSB-B5-S-VT-SMT-PP-TR	Receptacle	Mini USB	Type B 5 Pin	Vertical Surface Mount	Single Port
MUSB-B5-S-VT-TSMT	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port
MUSB-B5-S-VT-TSMT-1	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port
MUSB-B5-S-VT-TSMT-CS1-10-PP-T/R	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port
MUSB-B5-S-VT-TSMT-TR	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port
MUSB-B5P-KT	Plug	Mini USB	Type B 5 Pin		
MUSB-B5P-S-RA-PCB	Plug	Mini USB	Type B 5 Pin	Right Angle Thru Hole	
MUSB-B5P-S-RA-SMT-05	Plug	Mini USB	Type B 5 Pin	Right Angle Surface Mount	
MUSB-B5P-S-RA-SMT-P	Plug	Mini USB	Type B 5 Pin	Right Angle Surface Mount	
MUSB-B5P-S-S-CS1	Plug	Mini USB	Type B 5 Pin		
MUSB-B5P-S-S-SMT-10	Plug	Mini USB	Type B 5 Pin		
MUSB-B5S-K	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port
MUSB-P-A-S-S-PS	Plug	Mini USB	Type A		

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
USB-A-D-RA	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port
USB-A-D-RA-30	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-30-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-CS1-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-CS1-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-CS2-SPCC-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-CS3	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-CS4	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-CS4-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-CS5-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-D-RA-CS5-WT-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-CS5A-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-CS6	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-CS6-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-CS7	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-EH	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-EH-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-EH1	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-EH1-30	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-EH1-30-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-EH1-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-EM	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-RA-HT-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-SATA-RA-I5	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-D-VT	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port
USB-A-D-VT-30	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port
USB-A-D-VT-HT	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port
USB-A-D-VT-NCST	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port
USB-A-D-VT-WT	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port
USB-A-D-VT-WT-NCST	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port
USB-A-HDMI-D-RA	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-HDMI-D-RA-MF	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port
USB-A-Q-RA	Receptacle	USB	Type A	Right Angle Thru Hole	Quad Port
USB-A-Q-RA-30	Receptacle	USB	Type A	Right Angle Thru Hole	Quad Port
USB-A-Q-RA-SB	Receptacle	USB	Type A	Right Angle Thru Hole	Quad Port
USB-A-S-RA	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-30	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-30-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-30-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-30-WT-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
USB-A-S-RA-BL-CSI	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-BL-CSI-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-BL-CSI-HT-KT-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-BL-CSI-R-HT-KT-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-BL-CS3-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-BL-CS3-WT-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-BL-CS6-SPCC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-BL-CS7	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-BL-CS8	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-BL-R	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-CSI	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-CSI-SPCC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-CSI-SPCC-HT-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-CSI0-SMT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-CSI1-R	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-CSI1A-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-CSI4	Receptacle	USB	Type A 2.0 Double-sided insert (Reversible)	Right Angle Thru Hole	Single Port
USB-A-S-RA-CS2-NK	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-CS2-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-CS2-SMT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-CS2-SMT-WT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-CS3-TSMT-R-WT	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-CS4-SMT-KT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-CS4A-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-CS4A-SMT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-CS4B-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-CS5	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-CS6-SPCC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-CS7-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-DBL	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-DBL-CS3-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-DBL-CS4-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-DBL-CS6-SPCC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-DBL-CS6H-SPCC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-DBL-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EH	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EHI	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EHI-30-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EHI-R-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EHI-R-HT-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
USB-A-S-RA-EH10-R-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EH11-SMT-NF	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-EH11-SMT-NF-15	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-EH1A	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EH1A-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-EH2-R-HT-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EH2-R-HT-HF-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EH2-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-EH2-SMT-WT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-EH2A-R-HT-HF-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EH4-HT-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EH5-HT-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EH6	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EH7-NF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EH8-SMT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-EH9-R-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-EH9-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-FS	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-HD	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-HD-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-LCP	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-LCP-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-NK-CS2-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-NK-CS8-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-NK-CS8-SMT-BK	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-NK-CS8-SMT-NAT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-NK-CS9	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-NK-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-NK-SMT-KT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-OB	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-OB-F	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-OB-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-OB-SMT-F	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-OB-TSMT	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-R-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-SMT-BL-CSIA-SPCC	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-SMT-F	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-SMT-MF	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
USB-A-S-RA-SMT-R-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-SMT-SPG	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-SMT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-SMT-WT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-SS	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-TC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-TSMT	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CSI	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CSIA-WT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CS2	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CS2-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CS2-WT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CS4	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CS4-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-LCP	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-LCP-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-NF	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-NP	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-NP-WT	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-R	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-R-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-WT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-WT-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RU	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-30	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-HD	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-HT-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-RT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-SI-WT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S3	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S3-BK	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S3-BK-SPCC-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S3-SPCC	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S3-SPCC-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S4	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S4-BK	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S4-BK-HT-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
USB-A-S-RU-S4-HT-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S5	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S5-WT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S6-HC-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-SS	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-TH	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-TH-CSI	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-TH-CSI-NF-WT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-TH-CSI-WT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-TH-CSI-R	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-TH-CSI3	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-TH-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-WT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-WT-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-WT-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-ST	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-ST-A-NAT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VT-130	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VT-HD	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VT-HT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VT-LCP	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VT-SPL	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VT-WT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VTA	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VTA-HT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VTA-HT-001	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VTA-WT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VTB-HT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-S-VTB-WT-HT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port
USB-A-T-RA	Receptacle	USB	Type A	Right Angle Thru Hole	Triple Stacked Port
USB-A-T-RA-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Triple Stacked Port
USB-A3-D-RA-A	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Dual Port
USB-A3-D-S	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Dual Port
USB-A3-D-S-BL	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Dual Port
USB-A3-S	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port
USB-A3-S-RA	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Dual Port
USB-A3-S-RA-01	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-A	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-CSI	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
USB-A-S-RA-SMT-R-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-SMT-SPG	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-SMT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-SMT-WT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port
USB-A-S-RA-SS	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-TC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-TSMT	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CSI	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CSIA-WT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CS2	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CS2-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CS2-WT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CS4	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-CS4-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-LCP	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-LCP-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-NF	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-NP	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-NP-WT	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-R	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-R-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-TSMT-WT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port
USB-A-S-RA-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RA-WT-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-A-S-RU	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-30	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-HD	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-HT-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-RT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-SI-WT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S3	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S3-BK	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S3-BK-SPCC-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S3-SPCC	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S3-SPCC-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S4	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S4-BK	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port
USB-A-S-RU-S4-BK-HT-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
USB-A3-S-RA-CSI-HT	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-CSIA-R	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-CSIA-R-NF-110-TR	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-CS3	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-CS5	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-CS5-30-HF	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-CS5-HF	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-EH	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-EH-CSI-TR	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-EH-SMT	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port
USB-A3-S-RA-HF	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-HT-01	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port
USB-A3-S-RA-SMT	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port
USB-A3-S-RA-SMT-BL-CSI	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port
USB-A3-S-RA-SMT-CS2-TR	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port
USB-A3-S-RU-HT	Receptacle	USB	Type A 3.0	Right Angle Upright Thru Hole	Single Port
USB-A3-S-S1	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port
USB-A3-S-S2	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port
USB-A3-S-VT-CS2-BK-HT	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port
USB-AM-AM-ADPT	Plug	USB	Type A		
USB-AP-S-RA	Plug	USB	Type A	Right Angle Thru Hole	
USB-AP-S-RA-NK-D	Plug	USB	Type A	Right Angle Thru Hole	
USB-AP-S-RA-NK-D-WT	Plug	USB	Type A	Right Angle Thru Hole	
USB-AP-S-RA-NKD	Plug	USB	Type A	Right Angle Thru Hole	
USB-AP-S-RA-NKD-WT	Plug	USB	Type A	Right Angle Thru Hole	
USB-AP-S-RA-SMT	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-RA-SMT-BL	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-RA-SMT-C	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-RA-SMT-E-LP	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-RA-SMT-E-LP-NP	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-RA-SMT-F-TR	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-RA-SMT-R	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-RA-SMT-R-TR	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-SMT	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-SMT-A	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-SMT-A-LP-SB	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-SMT-A-NK	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-SMT-A-NK-WT	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-SMT-A-NKD-PDG	Plug	USB	Type A	Right Angle Surface Mount	
USB-AP-S-ST	Plug	USB	Type A		
USB-AP-S-ST-A	Plug	USB	Type A		

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
USB-AP-S-ST-B	Plug	USB	Type A		
USB-AP-S-ST-C	Plug	USB	Type A		
USB-AP-S-ST-D-HF	Plug	USB	Type A		
USB-AP-S-ST-D-NAT-HF	Plug	USB	Type A		
USB-AP-S-ST-E	Plug	USB	Type A		
USB-AP-S-ST-F	Plug	USB	Type A		
USB-AP3-S	Plug	USB	Type A 3.0		
USB-AP3-S-A	Plug	USB	Type A 3.0		
USB-AP3-S-B	Plug	USB	Type A 3.0		
USB-AP3-S-RA-SMT	Plug	USB	Type A 3.0	Right Angle Surface Mount	
USB-AP3-S-RA-SMT-AI-NP	Plug	USB	Type A 3.0	Right Angle Surface Mount	
USB-AP3-S-RA-SMT-AI-NP-10030	Plug	USB	Type A 3.0	Right Angle Surface Mount	
USB-AP3-S-RA-SMT-A2-NP	Plug	USB	Type A 3.0	Right Angle Surface Mount	
USB-AP3-S-RA-SMT-A2-NP-10030	Plug	USB	Type A 3.0	Right Angle Surface Mount	
USB-AS-S-RA-R	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port
USB-B-S-RA	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-02	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-30-CI-TR	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-30-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-BU	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-BU-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-BU-PN	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-BU-SP-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-CS2-WT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-CS3-WT-30-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-HT-PDG	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-OB-30-C3	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-PDG	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-PG	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-TPS-02	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-TSMT	Receptacle	USB	Type B	Right Angle True SMT	Single Port
USB-B-S-RA-TSMT-50	Receptacle	USB	Type B	Right Angle True SMT	Single Port
USB-B-S-RA-TSMT-CSI	Receptacle	USB	Type B	Right Angle True SMT	Single Port
USB-B-S-RA-TSMT-CSI-TR	Receptacle	USB	Type B	Right Angle True SMT	Single Port
USB-B-S-RA-TSMT-CSI-WT	Receptacle	USB	Type B	Right Angle True SMT	Single Port
USB-B-S-RA-TSMT-CS3-WT	Receptacle	USB	Type B	Right Angle True SMT	Single Port
USB-B-S-RA-TSMT-NI	Receptacle	USB	Type B	Right Angle True SMT	Single Port
USB-B-S-RA-TSMT-TR	Receptacle	USB	Type B	Right Angle True SMT	Single Port
USB-B-S-RA-TSMT-WT	Receptacle	USB	Type B	Right Angle True SMT	Single Port
USB-B-S-RA-TSMT-WT-TR	Receptacle	USB	Type B	Right Angle True SMT	Single Port

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS
USB-B-S-RA-WFP	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-WFP-TR	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-WT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-WT-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-WT-CI	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-WT-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-WT-PN	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-WT-SP-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-RA-WT-SPCC	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port
USB-B-S-VT	Receptacle	USB	Type B	Vertical Thru Hole	Single Port
USB-B-S-VT-30	Receptacle	USB	Type B	Vertical Thru Hole	Single Port
USB-B-S-VT-HT	Receptacle	USB	Type B	Vertical Thru Hole	Single Port
USB-B-S-VT-HT-30	Receptacle	USB	Type B	Vertical Thru Hole	Single Port
USB-B-S-VT-LCP	Receptacle	USB	Type B	Vertical Thru Hole	Single Port
USB-B-S-VT-SPL	Receptacle	USB	Type B	Vertical Thru Hole	Single Port
USB-B-S-VT-TSMT	Receptacle	USB	Type B	Vertical True SMT	Single Port
USB-B-S-VT-TSMT-KT-TR	Receptacle	USB	Type B	Vertical True SMT	Single Port
USB-B-S-VT-WT	Receptacle	USB	Type B	Vertical Thru Hole	Single Port
USB-B-S-WP	Receptacle	USB	Type B	-	Single Port
USB-B3-S-RA	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port
USB-B3-S-RA-A	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port
USB-B3-S-RA-CSI-15	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port
USB-B3-S-RA-CS2X-15	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port
USB-B3-S-RA-CS3-BK-30-HT	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port
USB-B3-S-RA-CS4	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port
USB-B3-S-RA-HT	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port
USB-B3-S-VT	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port
USB-B3-S-VT-CSI-15	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port
USB-B3-S-VT-CS3	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port
USB-B3-S-VT-CS3-HT	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port
USB-B3-S-VT-HT	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port
USB-BP-S	Plug	USB	Type B	-	-
USB-BP-S-RA	Plug	USB	Type B	Right Angle Thru Hole	-
USB-BP-S-RA-SMT	Plug	USB	Type B	Right Angle Surface Mount	-
USB-BP3-S	Plug	USB	Type B 3.0	-	-

Type-C USB



1. Overview

USB Type-C is a reversible-plug connector designed to support USB 3.1 with a top speed of 10Gbps. It is a 24 pin double sided connector similar in size to a micro-USB type B connector with a high power output of up to 100W (20vdc @ 5A). The connector provides four power/ground pairs, two differential pairs for USB 2.0 data bus (though only one pair is implemented in a Type-C cable), four pairs for high speed data bus, two "sideband use" pins, and two configuration pins for cable orientation detection, a dedicated biphasic mark code (BMC) configuration data channel, and VCONN +5 V power for active cables. USB Type-C also allows for bi-directional power charging input/output which significantly cuts down the amount of connectors / cables currently needed to make devices work. Type-C USB is backward compatible with USB 3.0 and USB 2.0 connectors.

Features & Specifications

FEATURES:

- USB 3.1 receptacles and plugs
- 24 pin reversible connectors
- Speeds up to 10 Gbps
- Backwards compatible with USB 3.0 and USB 2.0
- Through hole or surface mount
- Edge hang types available
- Right angle or vertical
- Multiple body styles
- Insulator color options

SPECIFICATIONS:

Material:

- Insulator: Hi-temp thermoplastic, rated UL 94V-0
- Insulator color: Black
- Contacts: Copper alloy or phosphor bronze
- Shell: Stainless steel, nickel plated

Contact Plating:

- Contact area: Gold flash over nickel underplate
- Solder tails: Tin over nickel or copper underplate

Electrical:

- Current rating range: 3 to 5 Amps max
- Voltage rating range: 5 to 100V AC
- Contact resistance range: 30 to 50 mohms max
- Insulation resistance: 100 Mohms min.
- Dielectric withstanding voltage: 100V AC for 1 minute

Temperature Rating:

- Operating temperature range: -55°C to +85°C

PART NUMBER	RECEPTACLE	PLUG	PRODUCT DATA
USB-C31-PLUG-A-BK-TR		Plug	View
USB-C31-PLUG-B-XX-BK		Plug	View
USB-C31-PLUG-EI-BK		Plug	View
USB-C31-PLUG-EI-SHD-BK		Plug	View
USB-C31-PLUG-F-BK-30		Plug	View
USB-C31-PLUG-H-SMT-DC-TR		Plug	View
USB-C31-S-RA-BK-TR	Right Angle Top PCB Mount, Extra Shield Pins		View
USB-C31-S-RA-CSI-BK-TR	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-RA-CSIA-BK-SS-T/R	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-RA-CSID-BK-T/R	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-RA-CSIE-BK-T/R	Right Angle Edge Hang		View
USB-C31-S-RA-CS2-SMT-BK-T/R	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-RA-EH-BK-CSI	Right Angle Edge Hang		View
USB-C31-S-RA-EH-BK-CSI-HF-TR	Right Angle Edge Hang		View
USB-C31-S-RA-EH-BK-CSIA	Right Angle Edge Hang		View
USB-C31-S-RA-EH-BK-CSIA-TR	Right Angle Edge Hang		View
USB-C31-S-RA-EH-BK-CS2-TR	Right Angle Edge Hang		View
USB-C31-S-RA-EH-SMT-BK	Right Angle Edge Hang		View
USB-C31-S-RA-EH2-SMT-BK-TR	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-RA-EH2.0	Right Angle Edge Hang		View
USB-C31-S-RA-EH2.0-BK-HF-TR	Right Angle Edge Hang		View
USB-C31-S-RA-EH2.0-BK-TR	Right Angle Edge Hang		View
USB-C31-S-RA-EH2.0-TR	Right Angle Edge Hang		View
USB-C31-S-RA-EH2.0B-BK-T/R	Right Angle Edge Hang		View
USB-C31-S-RA-TR	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-SM-BK-TR	Surface Mount		View
USB-C31-S-VT-CSI-BK-PP-TR	Vertical		View
USB-C31-S-VT-CS2A-BK-PP-TR	Vertical		View
USB-C31-S-VT-CS4-BK-PP-T/R	Vertical		View

USB4 40Gbps



1. Overview

USB Type-C is a reversible-plug connector designed to support USB 3.1 with a top speed of 10Gbps. It is a 24 pin double sided connector similar in size to a micro-USB type B connector with a high power output of up to 100W (20vdc @ 5A). The connector provides four power/ground pairs, two differential pairs for USB 2.0 data bus (though only one pair is implemented in a Type-C cable), four pairs for high speed data bus, two “sideband use” pins, and two configuration pins for cable orientation detection, a dedicated biphasic mark code (BMC) configuration data channel, and VCONN +5 V power for active cables. USB Type-C also allows for bi-directional power charging input/output which significantly cuts down the amount of connectors / cables currently needed to make devices work. Type-C USB is backward compatible with USB 3.0 and USB 2.0 connectors.

Features & Specifications

FEATURES:

- Speeds up to 40Gbps
- Backwards compatibility with USB 3.2 and USB 2.0 Type-C
- USB Type-C: reversible
- Mating connectors and cables
- Right angle mount orientation connectors
- Through hole or surface mount connectors
- Double-ended USB C plug cables

SPECIFICATIONS:

Material:

- Insulator: Hi-temp thermoplastic, rated UL 94V-0
- Insulator color: Black
- Contacts: Copper alloy
- Shell: Stainless steel, nickel or gold flash plated

Plating:

- Contact area: 30u” gold over nickel underplate
- Solder tails: matte tin over nickel underplate

Electrical:

- Operating voltage range: 5 to 20V
- Current rating range: 3 to 7 Amp
- Contact resistance range: 30 to 40 mohms initial
- Insulation resistance: 100 Mohms min
- Dielectric withstanding voltage: 100 VAC for 1 minute

Mechanical:

- Mating cycles: 10,000 insertions

Temperature Rating:

- Operating temperature range: -20°C to +105°C

PART NUMBER	MOUNTING TYPE
USB-C40-S-RA-BK-30-TR	Through Hole
USB-C40-S-RA-CSI-SMT-BK-30-TR	Surface Mount
CA-USB4-CM-CM-0.8M-A	Cable
CA-USB4-CM-CM-XXM-B	Cable
USB-C40-S-RA-CS2-SMT-BK-30-TR	Surface Mount - Ruggedized

Special USB Connectors



1. Overview

Adam Tech's Special USB Connectors provide solutions to a broader range of applications. Capacity constraints are alleviated by special stacked USB connectors, which combine USB Type-A and USB Type-C ports into one connector. High retention USB connectors are available, preventing disconnects in high stress applications. This series also includes waterproof USB Type-C connectors.

Features & Specifications

FEATURES:

- Versatile and reliable range of USB connectors
- Alleviate capacity constraints
- Prevent disconnects
- Waterproof

SPECIFICATIONS:

Material:

- Insulator: Hi-temp thermoplastic, rated UL 94V-0
- Insulator color: Black
- Contacts: Copper alloy or phosphor bronze
- Shell: Copper alloy or stainless steel, nickel plated

Contact Plating:

- Contact area: Gold flash over nickel underplate
- Solder tails: Tin over nickel underplate

Electrical:

- Current rating range: 1.5 to 8 Amps max
- Voltage rating range: 20 to 100V AC
- Contact resistance range: 30 to 40 mohms max
- Insulation resistance range: 100 to 1000 Mohms min.
- Dielectric withstanding voltage range: 100 to 500V AC for 1 minute

Temperature Rating:

- Operating temperature range: -55°C to +85°C

PART NUMBER	TYPE
USB-A-C31-D-VT	Stacked USB A over USB C
USB-A-S-RA-SMT-HD-T/R	High Retention USB A
USB-A3-C31-D-RA-CS1	Stacked USB A over USB C
USB-C31-A-D-VT-CS1	Stacked USB A over USB C
USB-C31-S-RA-CS12-BK-TR	High Side Retention USB C
USB-C31-S-RA-EH-WP-BK-CS3B-TR	Waterproof USB C
USB-C31-S-RA-EH-WP-WF-BK-CS5	Waterproof USB C

Thanks for Watching!

Our team of passionate experts brings a wealth of experience to the table, ready to collaborate with you and unlock your full potential. By joining forces, we can create innovative solutions and achieve remarkable things.



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