



USB Type-C Pin Assignments			
Pin	Signal Name	Pin	Signal Name
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

Part Number	Gold Plating
KUSBX-SMT-CS-4-BK-TR	Flash
KUSBX-SMT-CS-4-BK-30TR	30u"

**Materials and Finish**

Insulator: High Temp.,  
UL94V-0 Rated, Halogen Free,  
Color: Black  
Contact Material:  
Copper Alloy  
Contact Plating:  
Standard Option (Blank):  
Gold Flash Plated in Contact Area  
30 Option:  
30u" Gold Plated in Contact Area  
Tin Plated in Solder Area  
With 50u" Nickel Under-plate  
Shield: Stainless Steel,  
50u" Nickel Plated

**Electrical Specifications**

Current Rating:  
5.0A Collectively For Pins:  
A4, A9, B4, and B9 (VBUS)  
5.0A Collectively For Pins:  
A1, A12, B1, and B12 (GND)  
1.25A For Pin B5 (VCONN)  
0.25A For All Other Pins  
Rated Voltage: 30V  
Contact Resistance:  
40 Milliohms Max.  
Insulation Resistance:  
100 Megohms Min.  
Dielectric Withstanding Voltage:  
100V AC RMS For 1 Minute.

**Mechanical Specifications**

Insertion Force: 5N - 20N  
Extraction Force: 8N - 20N  
Durability: 10,000 Cycles  
Operating Temperature:  
-55°C to 85°C

**PRELIMINARY**  
PART IN DESIGN  
SPECIFICATION SUBJECT TO CHANGE

**RoHS COMPLIANT**

Tolerances
X.X ± 0.30
X.XX ± 0.25
Unless Stated Otherwise

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0.1	05/23/22	New Drawing	C. Kelleher	C. Furumasu	C. Kelleher	05/19/22

**KUSBX-SMT-CS-4-BK-xxTR**  
("xx" = Contact Plating Option)

USB 4.0, Type C Socket, SMT, Gold Plated,  
Black, T&R Packaging, RoHS, Halogen Free



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