



Recommended PCB Layout
Tolerance: ±0.05 (Top View)

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

Materials and Finish

Insulator: High Temp.
 UL94V-0 rated
 Color- Black
 Contact Material:
 Copper Alloy
 Plating:
 Gold flash plated
 with nickel under-plate
 Shield: Stainless Steel,
 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:
 -40°C to 85°C

Tolerances
X.X ± 0.35
X.XX ± 0.25
Unless Stated Otherwise



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0.1	11/12/19	New Drawing	C. Kelleher	D. Shehan	C. Kelleher	11/12/19
A0.2	12/23/19	Assigned Part Number	G. Serrato	D. Shehan		

KUSBX-SL2-CS1N24-B

Upright USB 3.2 Gen 2 Type C, 24 Pins

RoHS Compliant, Halogen Free

