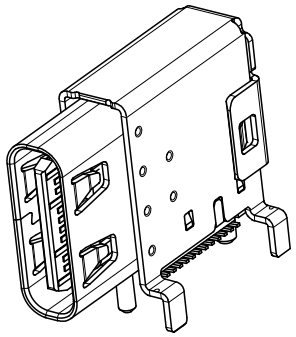
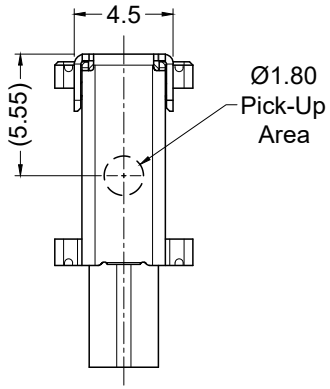
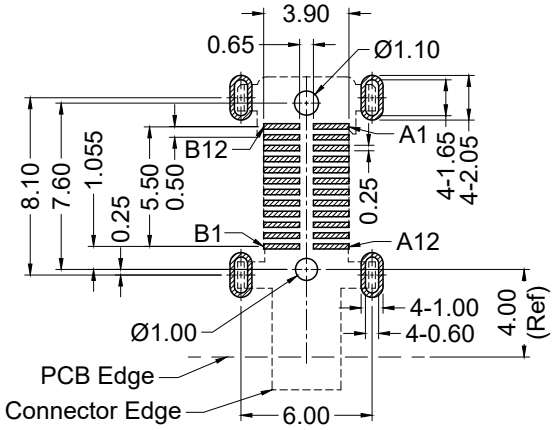
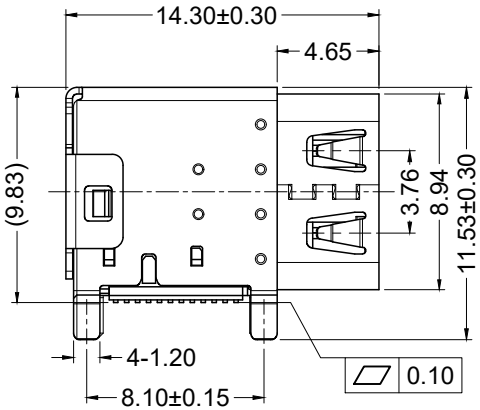
KYCON, Inc. 305 Digital Drive, Morgan Hill, CA 95037 (408)494-0330

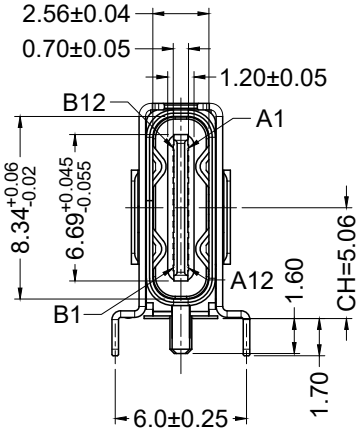


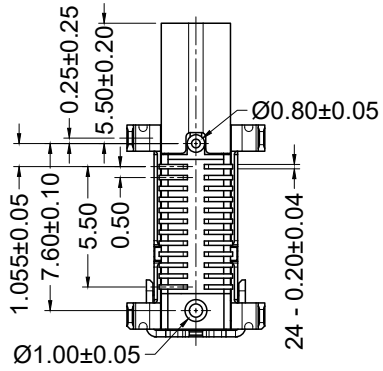




Recommended PCB Layout
Tolerance:±0.05 (Top View)







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

Contact Plating:
Gold Flash Plated
With Nickel Under-plate

Shield: Stainless Steel,
Nickel Plated

Mid Plate: Stainless Steel

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: 48V

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

RoHS COMPLIANT

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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY
A1	06/03/20	Release Drawing	C. Kelleher	D. Shehan
A2	09/24/21	ECO #21-017	C. Kelleher	C. Furumasu
A3	10/23/23	ECO #23-017	C. Kelleher	C. Furumasu
A4	02/12/25	ECO #25-010	C. Kelleher	C. Kelleher
A5	07/22/25	ECO #25-057	K.Wang	C. Kelleher
A6	10/23/25	Update Details & Tolerance	K.Wang	C. Kelleher

DRAWN BY	DATE
C. Kelleher	11/12/19
	UNITS
	mm

KUSBX-SL2-CS1N24-B-TR

Upright USB 3.2 Gen 2 Type C, 24 Pins

RoHS Compliant, Halogen Free

KYCON