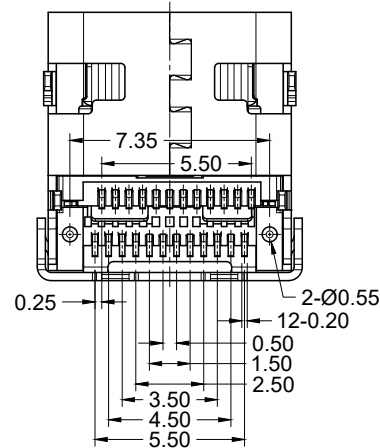
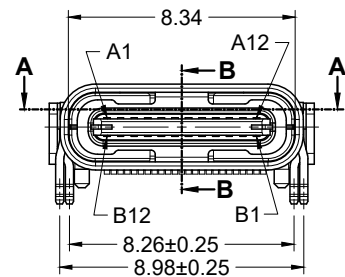
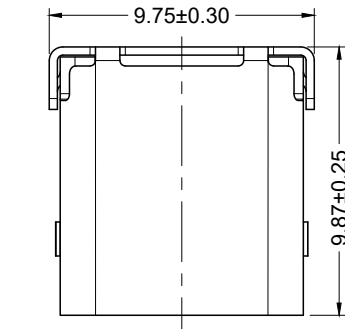
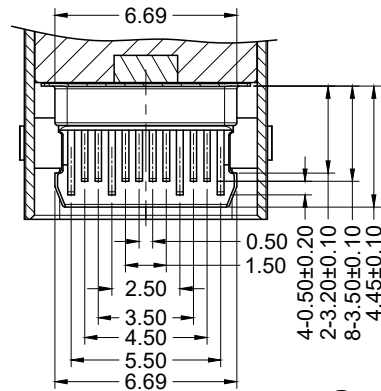
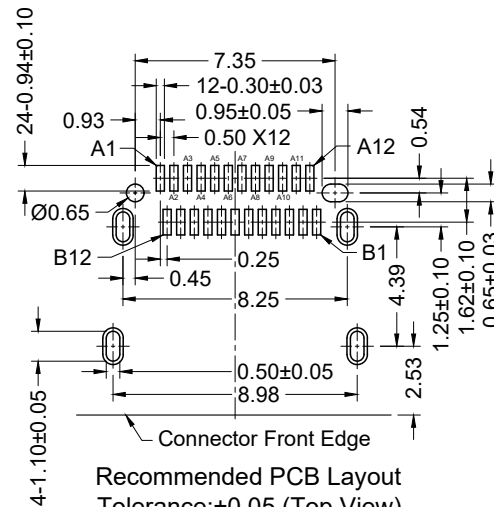
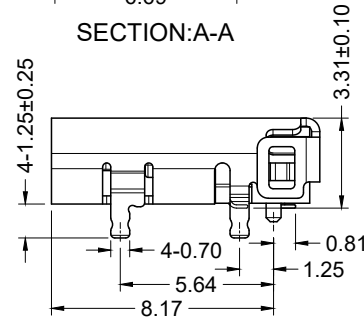




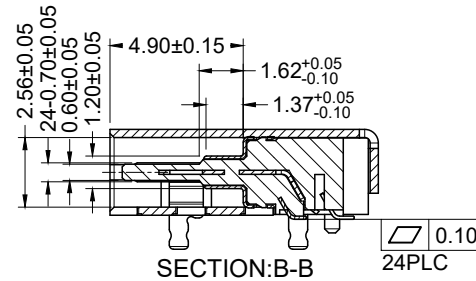
PRELIMINARY
PART IN DESIGN
SPECIFICATION SUBJECT TO CHANGE



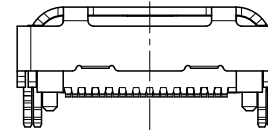
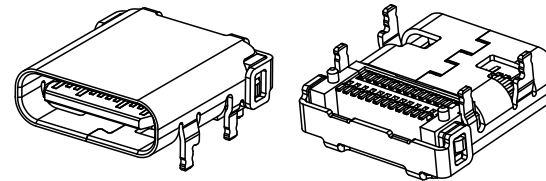
SECTION:A-A



Recommended PCB Layout
Tolerance:±0.05 (Top View)



SECTION:B-B



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

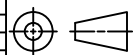
Operating Temperature:
-55°C to 85°C

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



UNITS
mm

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

