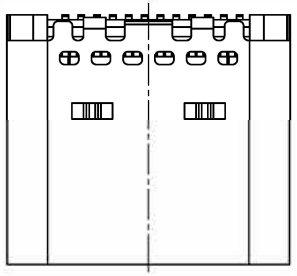
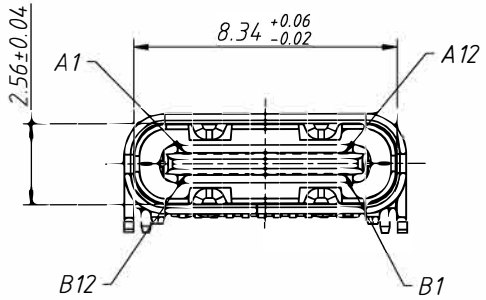
RoHS Compliance

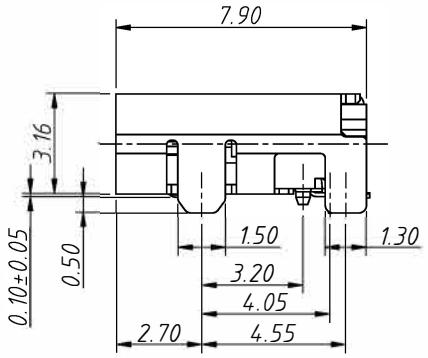
REV	SYM	Revision Record	Appr.	Date
V0		New Version Release	Song	2025-09-29

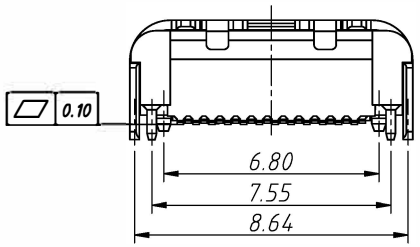


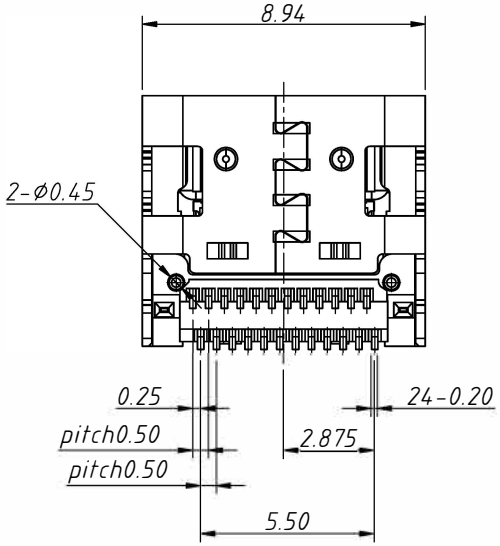
Pin Assignments

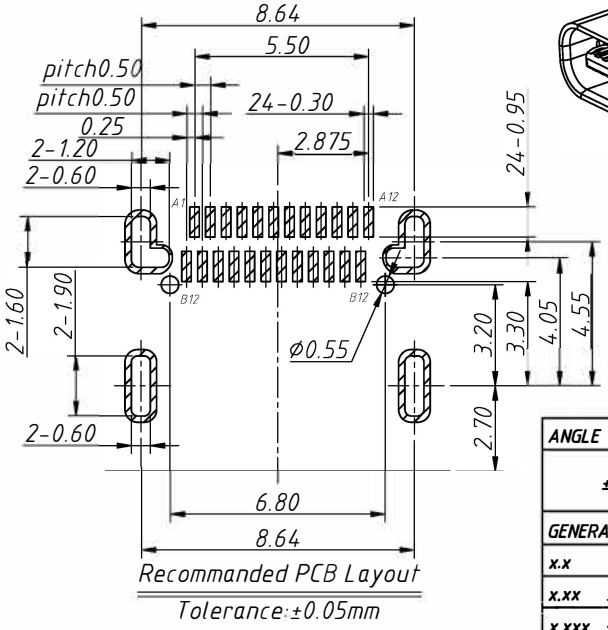
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND

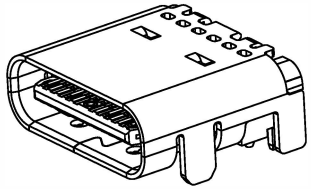












Material:
Housing:High Temperature Plastic,UL94V-0
Contact:Copper Alloy
MID Plate: Stainless Steel
EMI Plate: Stainless Steel
Shell:Stainless Steel

Plating
Terminal Contact:60u"Min Nickel Underplated Overall
G/F Plated On Contact Area
G/F Plated On Solder Area
Shell: 50u" Min. Nickel All Over
MID Plate: 50u" Min. Nickel All Over
EMI Plate: Clear Only

Electrical Characteristics:
Contact Resistance: 40mΩ Max For Initial.
10mΩ Change After Test. Measure At 20mV, 100mA
Contact Current Rating: 3A for VBUS pin
1.25A for VCONN pin
Dielectric WithstandiNG Voltage:100V AC R.M.S
Insulation Resistance:100MΩ Min
Operating Temperature: -25°C ~ 75°C

Mechanical:
Mating Force: 5~20 N
Unmating Force:8~20N(INitial),6~20N(After 10000 Cycles)
Durability:10000 Cycles

ANGLE TOLERANCE	PROJECTION		Description:
±3°			USB Type-C connector
GENERAL TOLERANCE	UNITS	mm	P/N:
x.x ±0.30	SHEET SIZE	A4	1/2
x.xx ±0.20	Draw:	Song	2021509-B
x.xxx ±0.10	Check:	Daniel	2025-09-29

USB-C-HCI-12P

Arlex