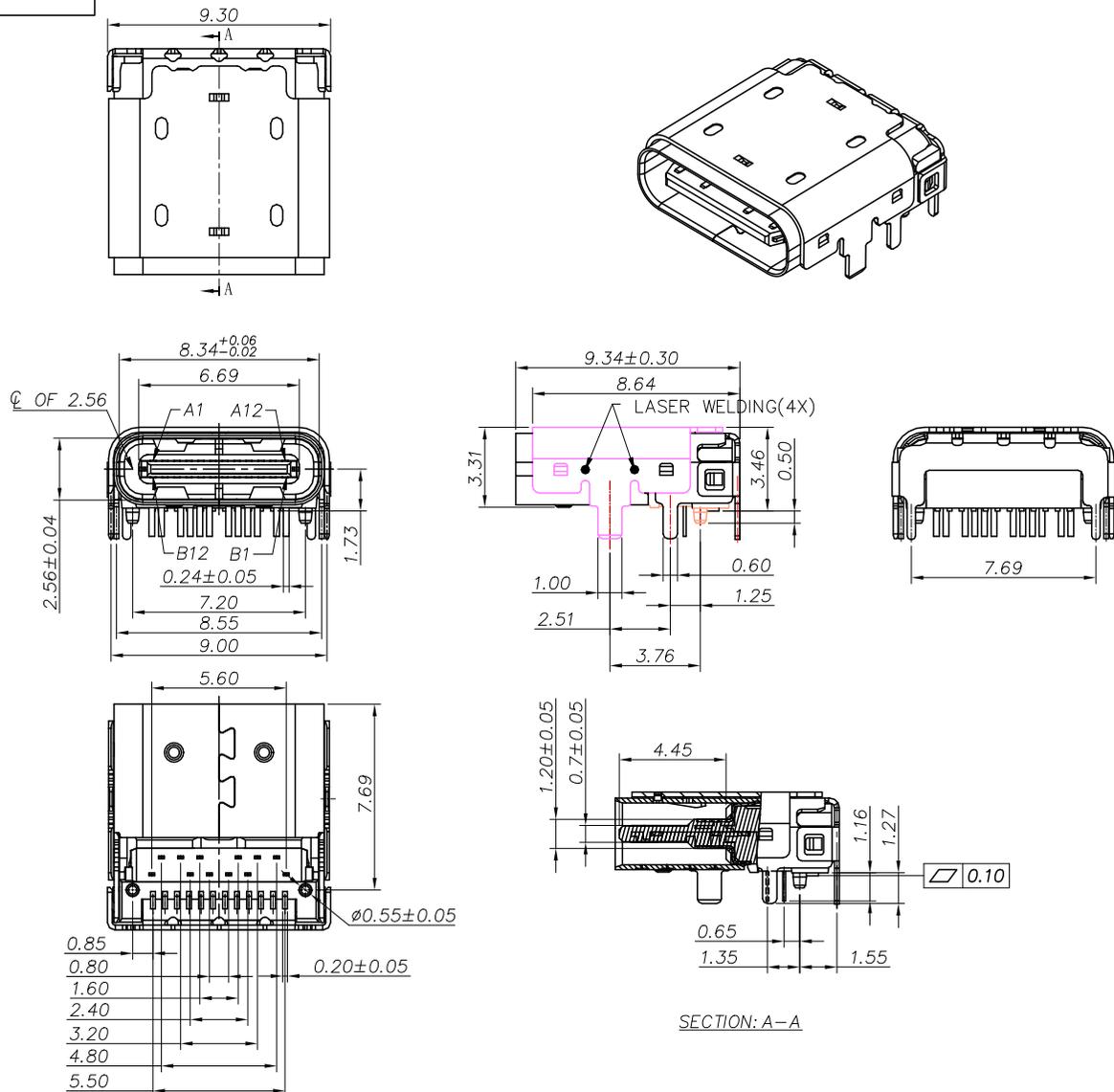


RoHS2.0



NOTE:

- MATERIAL SPECIFICATION:
  - HOUSING: PA9T COLOR SEE TABLE 1, UL94 V-0.
  - CONTACTS: COPPER ALLOY
  - MID PLATE & SPRING: STAINLESS STEEL
  - FRONT SHELL & COVER: STAINLESS STEEL
- PLATING SPECIFICATION:
  - CONTACTS:
    - Ni 50u" MIN. UNDER PLATED OVER ALL.
    - Au PLATED ON THE FUNCTIONAL AREA OF CONTACT. (GOLD PLATING THICKNESS FOLLOW THE P/N)
  - FRONT SHELL & COVER:
    - Ni 30u" MIN. UNDER PLATED OVER ALL.
  - MID PLATE & EMI SPRING:
    - CLEAR ONLY
- MECHANICAL PERFORMANCE,
  - MATING FORCE : 5~20N. (5~20N AFTER DURABILITY).
  - UNMATING FORCE : 8~20N. (6~20N AFTER DURABILITY).
  - DURABILITY: 10000 CYCLES.
- ELECTRICAL PERFORMANCE,
  - CURRENT RATING: 3.0A  
VOLTAGE RATING: 5.0V
  - LLCR:
    - VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.
    - LLCR MAX. CHANGE OF ALL PINS: 10mA
  - INSULATION RESISTANCE: 100MΩ MIN
  - DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
- ENVIRONMENTAL PERFORMANCE:
  - OPERATING TEMPERATURE: -25°C~+85°C.
- IR REFLOW:
  - THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

UCB1Y-24BHO X A N L-R

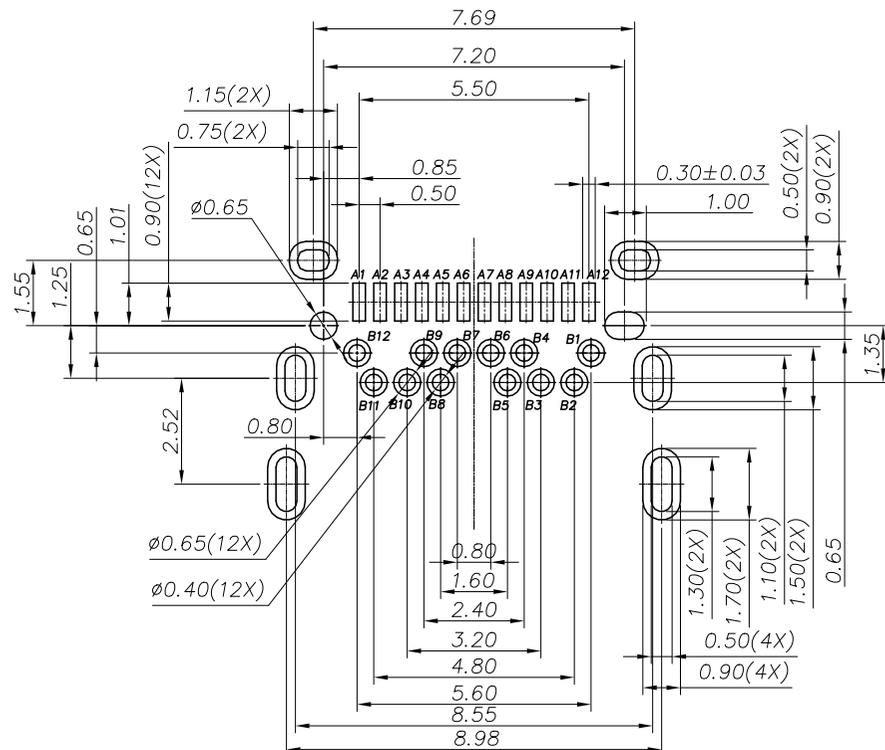
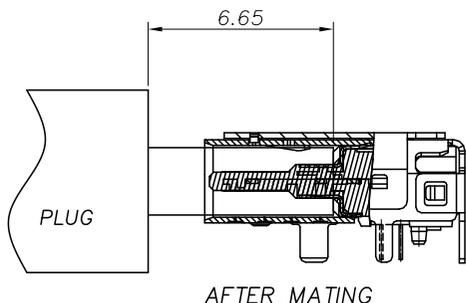
PIN NUMBER: 24PIN

CONTACT: 2.3u" CONTACT AREA  
7.30u" CONTACT AREA

R: ROHS  
PACK: L: TAPE REEL  
COLOR: A: Black

REV.	REVISION RECORD	DATE	UNIT: MM	GENERAL TOLERANCES		SCALE	NAME	DATE	PART NO.	DWG NO.							
A0	NEW RELEASE	2022. 7. 4		LINEAR	ANGLES	1:1											
			0.0±0.30	X° ±10°	APPROVED	SKY	2022. 7. 4	UCB1Y-24BH02ANL-R	ENDE05	TITLE USB CF 24PIN DIP+SMT L=9.34mm							
			0.00±0.20	X. X° ±8°	DESIGNER	-	-										
			SIZE: A4	0.000±0.10	X. XX° ±5°	DRAWN	GSQ	2022. 7. 4			REV	A0	SHEET	1/3			

RoHS2.0



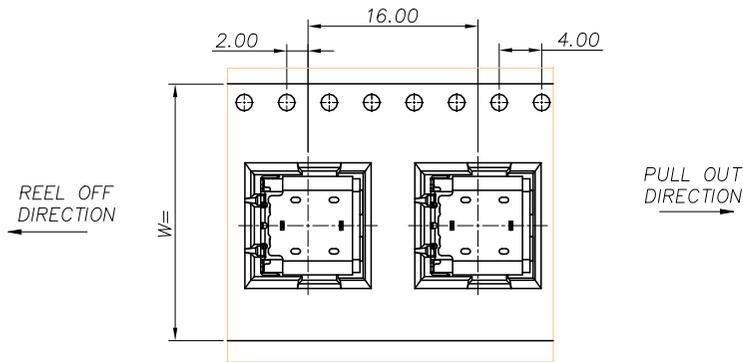
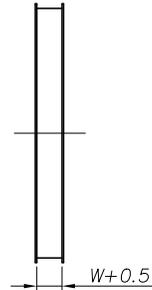
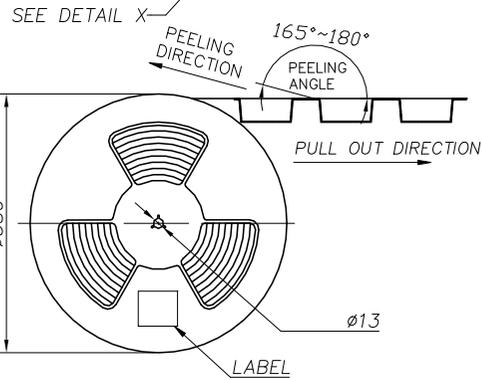
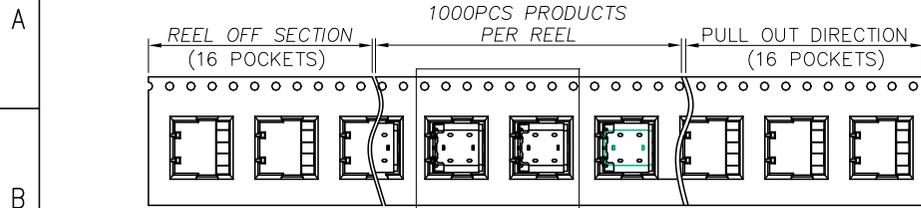
USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	TXp1	B11	RXp1
A3	TXn1	B10	RXn1
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	RXn2	B3	TXn2
A11	RXp2	B2	TXp2
A12	GND	B1	GND

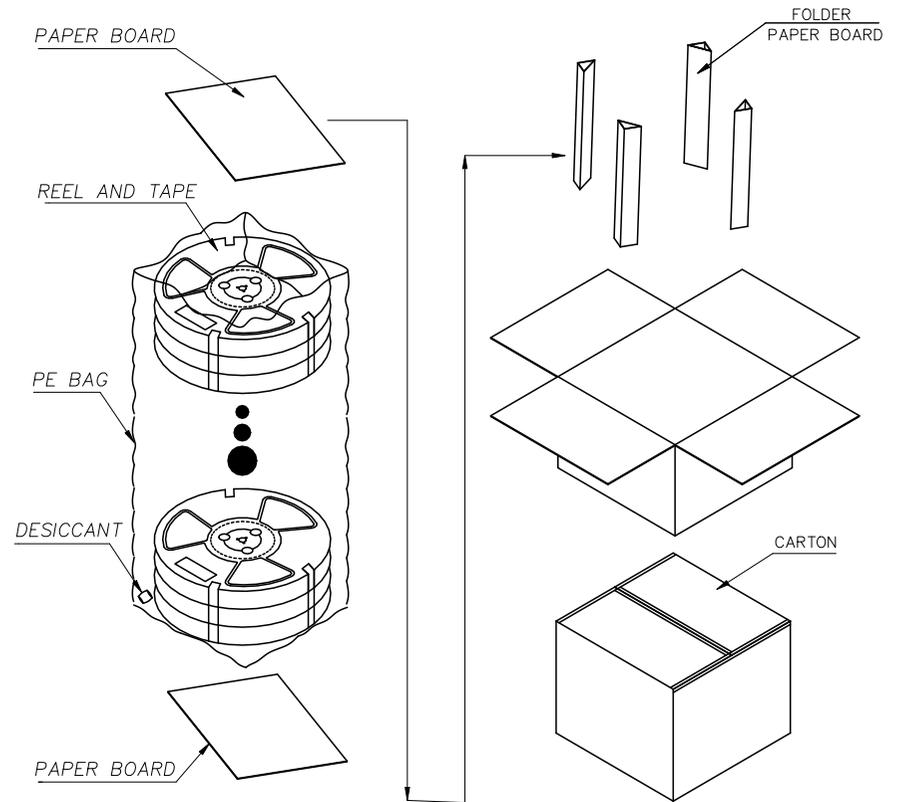
SCALE 1.5:1  
 RECOMMENDED PCB LAYOUT(TOP VIEW)  
 THICKNESS 1.0 MM;DEFAULT TOLERANCE: ±0.05

REV.	REVISION RECORD	DATE		GENERAL TOLERANCES		SCALE 1:1	NAME	DATE	PART NO.	DWG NO.				
A0	NEW RELEASE	2022.7.4		LINEAR	ANGLES	APPROVED	SKY	2022.7.4	UCB1Y-24BH02ANL-R	ENDE05				
			0.0±0.30	X° ±10°	DESIGNER	-	-	TITLE						
			UNIT: MM	0.00±0.20	X.X° ±8°			USB CF 24PIN DIP+SMT L=9.34mm						
			SIZE: A4	0.000±0.10	X.XX° ±5°	DRAWN	GSQ	2022.7.4			REV	A0	SHEET	2/3

RoHS2.0



DETAIL X  
SCALE 2:1



	REEL/TRAY	CARTON
CONNECTOR (PCS)	1000	10000

REV.	REVISION RECORD	DATE	UNIT: MM	GENERAL TOLERANCES		SCALE	NAME	DATE	PART NO.	DWG NO.				
A0	NEW RELEASE	2022.7.4		LINEAR	ANGLES	1:1						APPROVED	SKY	2022.7.4
			0.0±0.30	X° ±10°		DESIGNER	-	-	TITLE USB CF 24PIN DIP+SMT L=9.34mm (PACKAGING DRAWINGS)					
			0.00±0.20	X.X° ±8°		DRAWN	GSQ	2022.7.4						
			SIZE: A4	0.000±0.10	X.XX° ±5°						REV	A0	SHEET	3/3