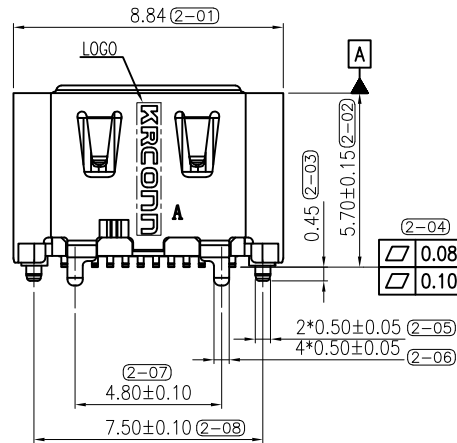
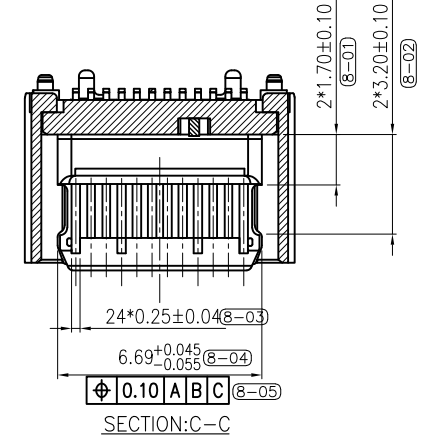
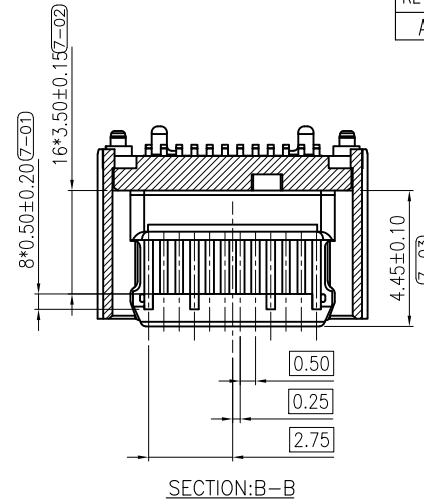
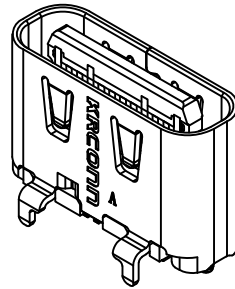
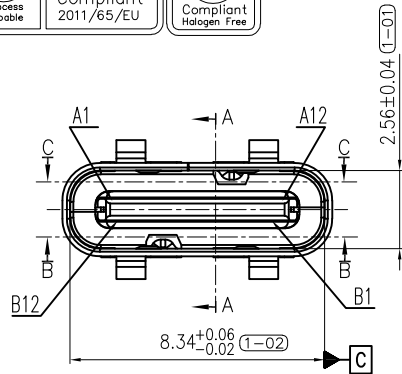
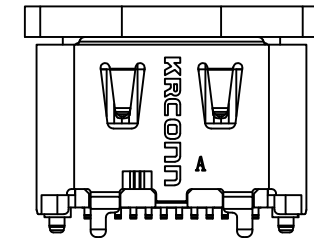
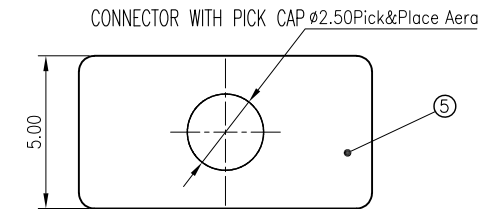
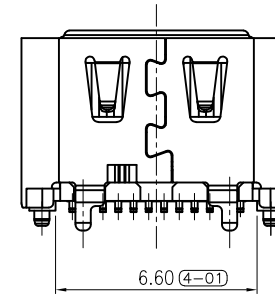
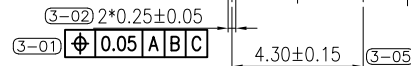
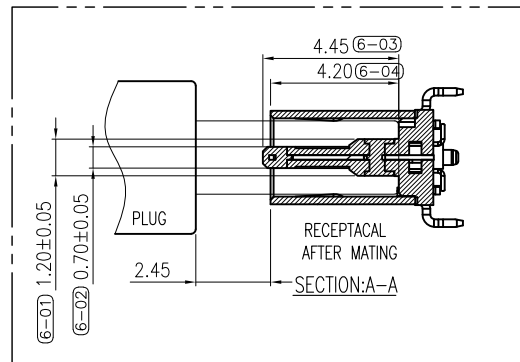




BEFORE REFLOW
AFTER REFLOW



CAP ASSEMBLY CONDITION(REF.)



品质管控等级要求		
符号	等级	产品管控要求
▼	重点要求	巡检, 定义检验频率
▽	特殊性要求	CPK>1.33
⊙	全检要求	自动机检验

UNLESS OTHERWISE
SPECIFIED TOLERANCES

DECIMALS:	ANGLES:
X :±0.50	X :±2°
X.X :±0.30	X.X :±1°
X.XX :±0.20	
X.XXX :±0.10	

深圳市精睿兴业科技有限公司
SHENZHEN KRCONN TECHNOLOGY CO., LTD

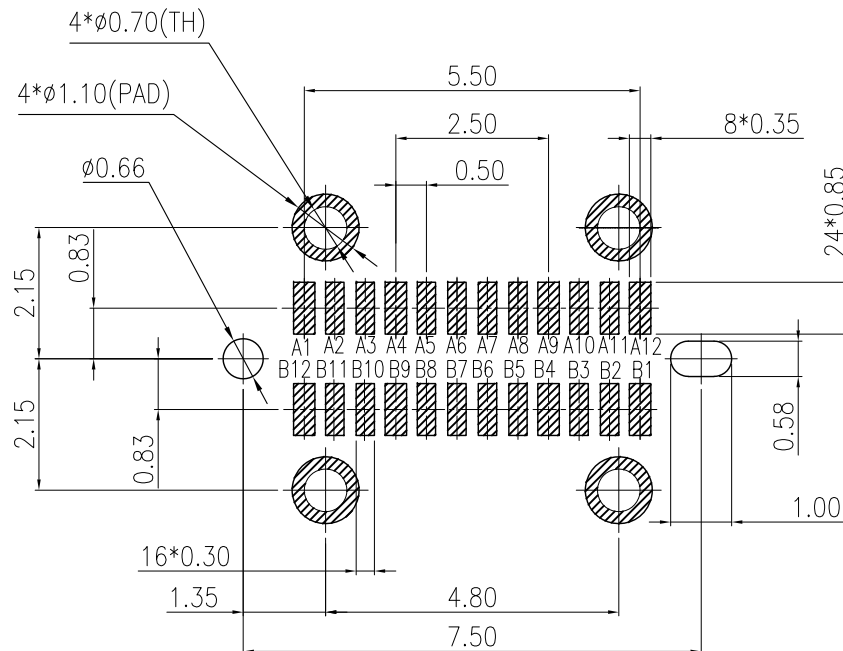
TITLE	Type.C 24PIN Vertical CONN. RECPTACLE			
DWN	Zhuang Qihui	PART NO. TCR41-57112402-T1		
CHKD	Chen Shaobing	SCALE:1:1	UNIT: mm	⊙
APVD	Kevin.d	SIZE: A4	SHEET:10F3	REV: A
DRAW NO. C-DWG-TCR41-T1		CUSTOMER COPY		



REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	FIRST RELEASE	Zhuang Qihui	2026.02.04

PIN ASSIGNMENTS:

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



RECOMMENDED PCB LAYOUT(THICKNESS:0.80MM)

PWB TOLERANCE: ± 0.05

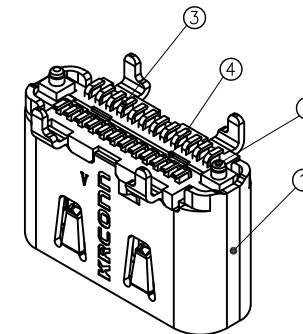
SPECIFICATION:

- ELECTRICAL CHARACTERISTICS:
 - CURRENT RATING:5.0A,VOLTAGE RATING:5.0V AC
 - CONTACT RESISTANCE: 40mOHMS MAX INITIAL.
 - INSULATION RESISTANCE: 100MOHMS Min.
 - DIELECTRIC WITHSTAND: 100V AC for 1 MINUTE
- MECHANICAL CHARACTERISTICS:
 - INSERT FORCE: 5-20N
 - WITHDRAW FORCE: 8-20N(INITIAL), AFTER DUABILITY: 6-20N Min
 - DURABILITY:10000CYCLES;
- TEMPERATURE RANGE: $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- SALT SPRAY:48H
- PART NO.:

TCR41 - 57 1 1 24 02 - T1

PRODUCT ORDER

HEIGHT ON BOARD 57=5.7mm
COLOUR/1=BLACK HOUSING
POST/1=WithPOST
Pin Number./24=24Pin
Plating On Contact Area./02=Au3u*
Services Number.

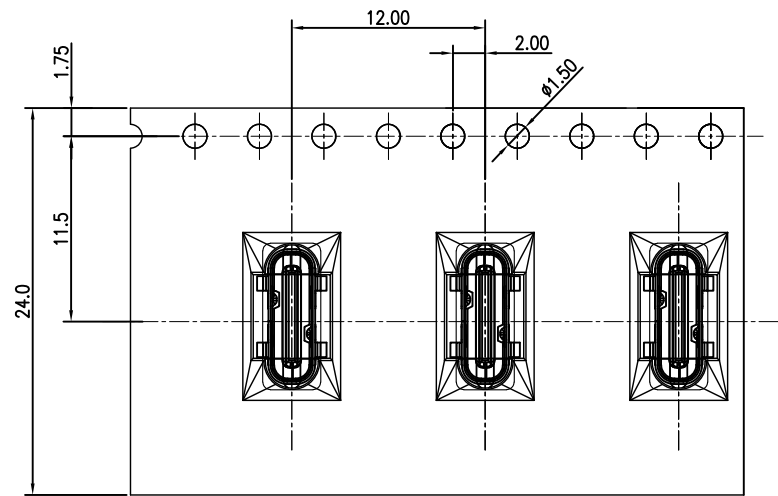
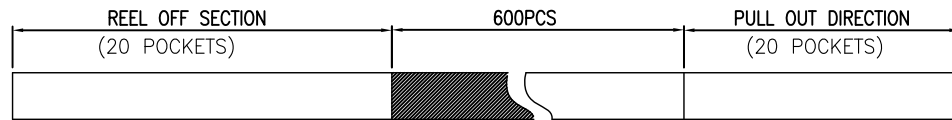


⑤	CAP	1 PCS	LCP	UL94V-0,COLOR:BLACK;
④	MID PLATE	1 PCS	SUS301-H T=0.15	NO SURFACE TREATMENT
③	CONTACT	2 SET	C5191 T=0.12	Ni 50u"-150u". UNDER PLATED OVER ALL. CONTACT AREA:3u"Au BRUSH PLATING SOLDER AREA:1u"Au
②	HOUSING	1 PCS	PA10T	COLOR: SEE TABLE
①	SHELL	1 PCS	SUS304-3/4H T=0.30	Ni 50u" MIN. UNDER PLATED OVER ALL.
NO.	DESCRIPTION	QTY.	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED TOLERANCES			深圳市精睿兴业科技有限公司 SHENZHEN KRCONN TECHNOLOGY CO., LTD	
DECIMALS:		ANGLES:		TITLE
X : ± 0.50		X : $\pm 2^{\circ}$		Type.C 24PIN Vertical CONN. RECPTACLE
X.X : ± 0.30		X.X : $\pm 1^{\circ}$		DWN Zhuang Qihui
X.XX : ± 0.20		X.XXX : ± 0.10		CHKD Chen Shaobing
				APVD Kevin.d
				DRAW NO. C-DWG-TCR41-T1
				CUSTOMER COPY

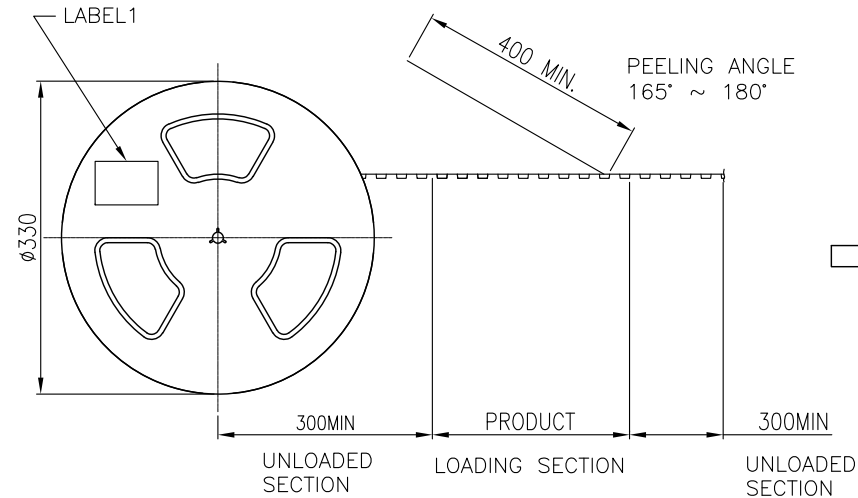


REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	FIRST RELEASE	Zhuang Qihui	2026.02.04

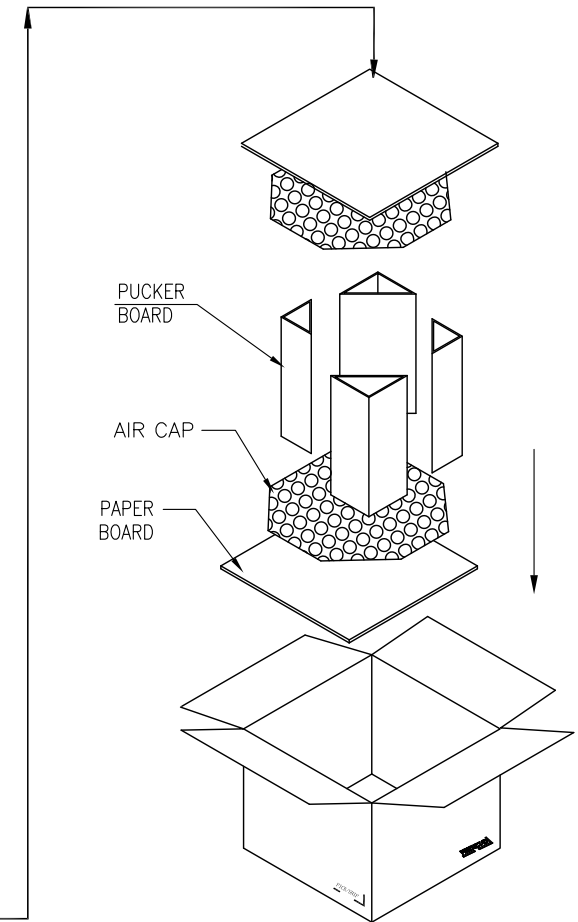
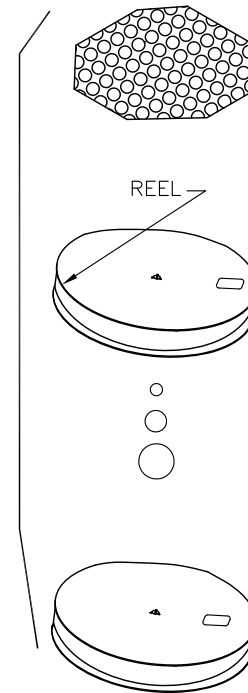
CONN. PART NO.	CONN. QTY./REEL	REEL QTY./CARTON	CONN. QTY./CARTON
TCR41-57112402-T1	600	10	6000 PCS



CUSTOMER TO USE DIRECTION (left arrow) and PULL OUT DIRECTION (出料方向) (right arrow).



TOTAL 10LAYERS



UNLESS OTHERWISE SPECIFIED TOLERANCES		深圳市精睿兴业科技有限公司 SHENZHEN KRCONN TECHNOLOGY CO., LTD			
DECIMALS:	ANGLES:	TITLE	Type.C 24PIN Vertical CONN. RECPTACLE		
X :±0.50	X :±2°	DWN	Zhuang Qihui	PART NO. TCR41-57112402-T1	
X.X :±0.30	X.X :±1°	CHKD	Chen Shaobing	SCALE:1:1	UNIT: mm
X.XX :±0.20		APVD	Kevin.d	SIZE: A4	SHEET:30F3
X.XXX :±0.10		DRAW NO. C-DWG-TCR41-T1		CUSTOMER COPY	