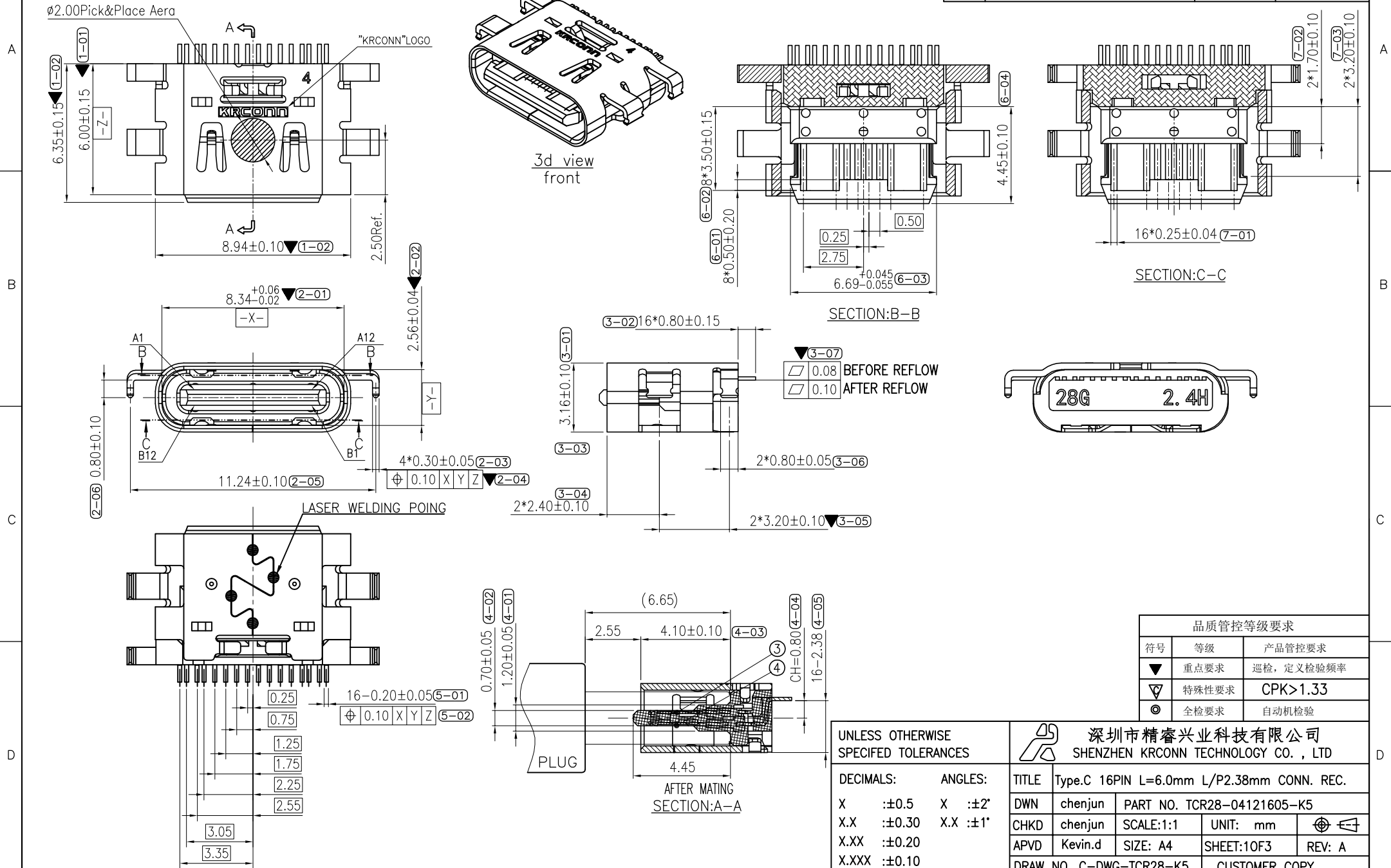


REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	FIRST RELEASE	ERIC	2025.06.30





PIN	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
Signal Name	GND			VBUS	CC1	Dp1	Dn1	SBU1	VBUS			GND
PIN	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
Signal Name	GND			VBUS	CC2	Dp3	Dn2	SBU2	VBUS			GND

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	FIRST RELEASE	ERIC	2025.06.30

SPECIFICATION:

1.ELECTRICAL CHARACTERISTICS:

- 1.1 CURRENT RATING: Vbus 5A,
Vconn Pin 1.25A All Other pins:0.25A.
- 1.2 CONTACT RESISTANCE: 40 mOHM MAX.
- 1.3 DIELECTRIC WITHSTANDING VOLTAGE: 100 VAC r.m.s
- 1.4 INSULATION RESISTNACE: 100 MEGOHMS MIN.

2.MECHANICAL CHARACTERISTICS

- 2.1 INSERTION FORCE: 5~20N
- 2.2 EXTRACTION FORCE: Initial:8~20N;Durability:6~20N(1000cycles);
- 2.3 DURABILITY:10,000CYCLES

3.ENVIRONMENTAL CHARACTERISTICS

- 3.1 TEMPERATURE RANGE: -40 °C ~ 85 °C

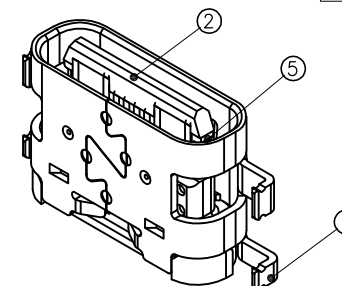
3.2. IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

4.PART NO.:

TCR28-04121605-K5
PRODUCT ORDER

On Board Height/04=2.4mm
COLOUR/1=BLACK HOUSING
POST/2=Without Dull Post
Pin Number./16=16Pin
Plating On Contact Area./05=Au15u"
Service Number.

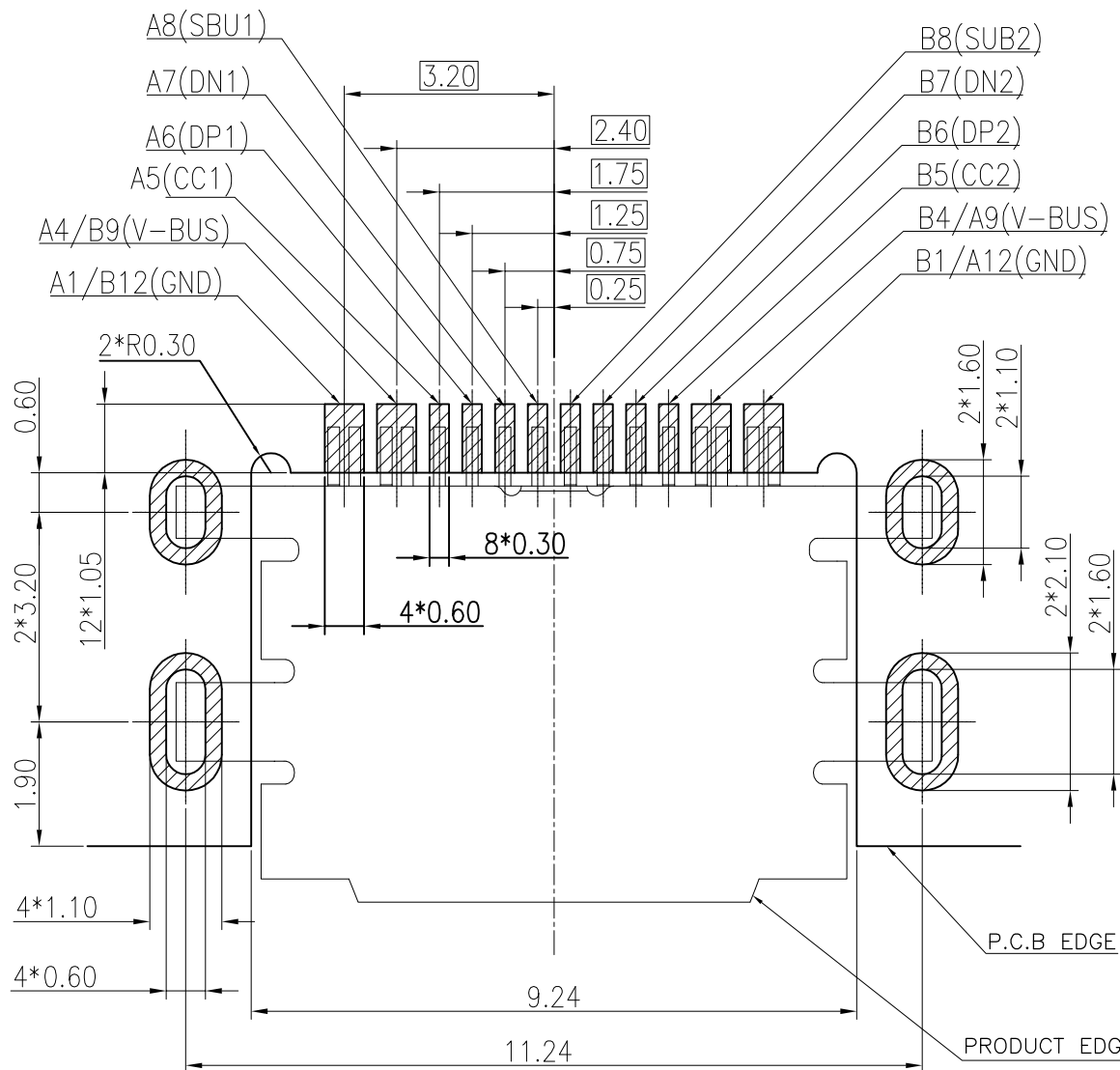


⑤	MID PLATE	1 PCS	STAINLESS STEEL	NO SURFACE TREATMENT
④	CONTACT B	1 SET	COPPER ALLOY	Ni 50u"-150u". UNDER PLATED OVER ALL. CONTACT AREA:15u"Au BRUSH PLATING SOLDER AREA:1u"Au"
③	CONTACT A	1 SET	COPPER ALLOY	
②	HOUSING	3 PCS	THERMOPLASTIC	COLOR: BLACK
①	SHELL	1 PCS	STAINLESS STEEL	Ni 30u" MIN. UNDER PLATED OVER ALL.

NO.	DESCRIPTION	QTY.	MATERIAL	FINISH
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UNLESS OTHERWISE SPECIFIED TOLERANCES		深圳市精睿兴业科技有限公司 SHENZHEN KRCONN TECHNOLOGY CO., LTD		
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DECIMALS:		ANGLES:		TITLE	
X	:±0.5	X	:±2°	DWN	chenjun
X.X	:±0.30	X.X	:±1°	PART NO.	TCR28-04121605-K5
X.XX	:±0.20			CHKD	chenjun
X.XXX	:±0.10			SCALE:1:1	UNIT: mm
				APVD	Kevin.d
				SIZE: A4	SHEET:20F3
				DRAW NO. C-DWG-TCR28-K5	REV: A
				CUSTOMER COPY	



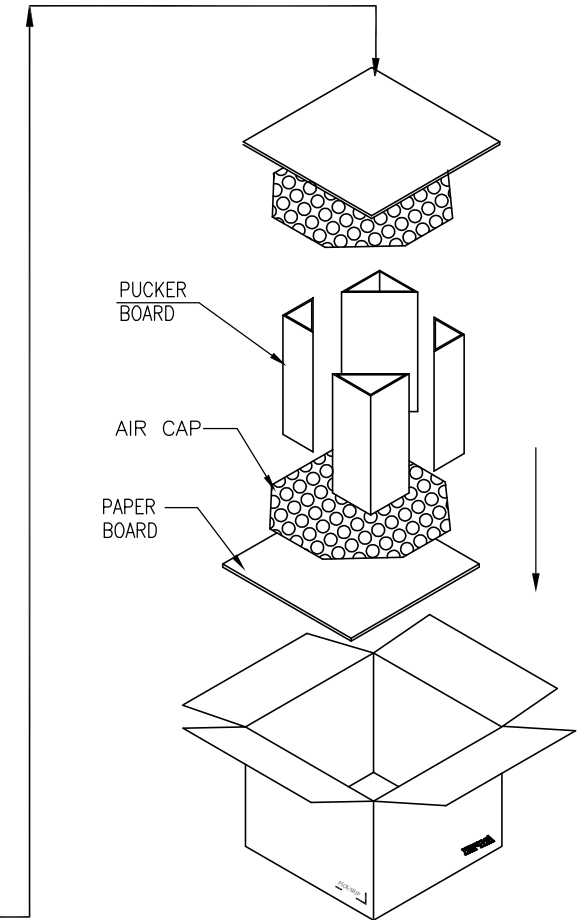
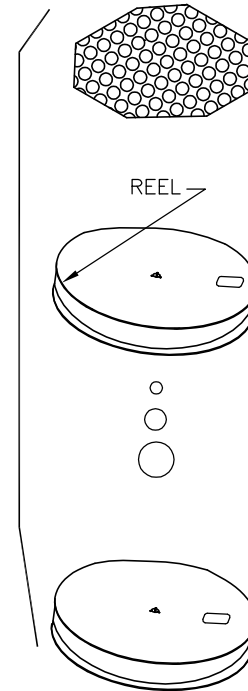
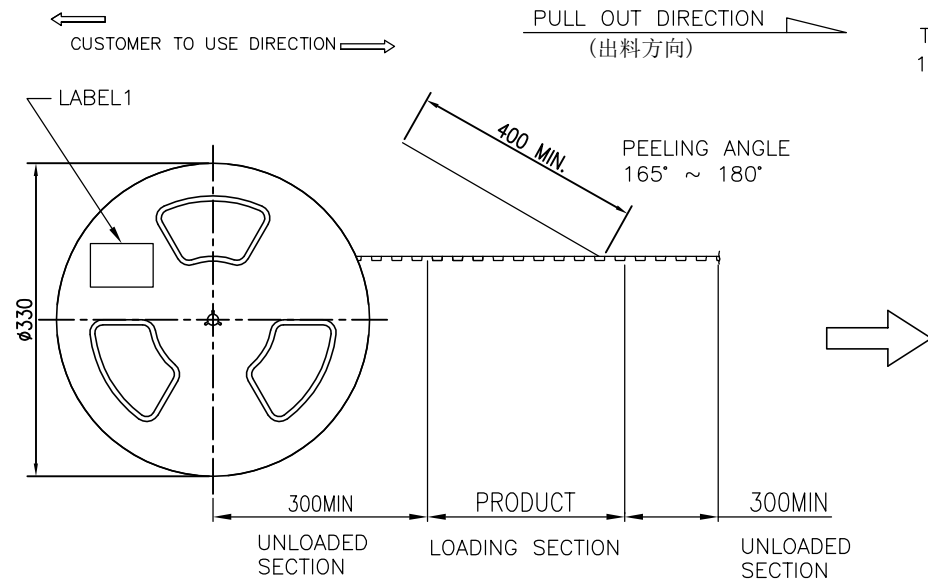
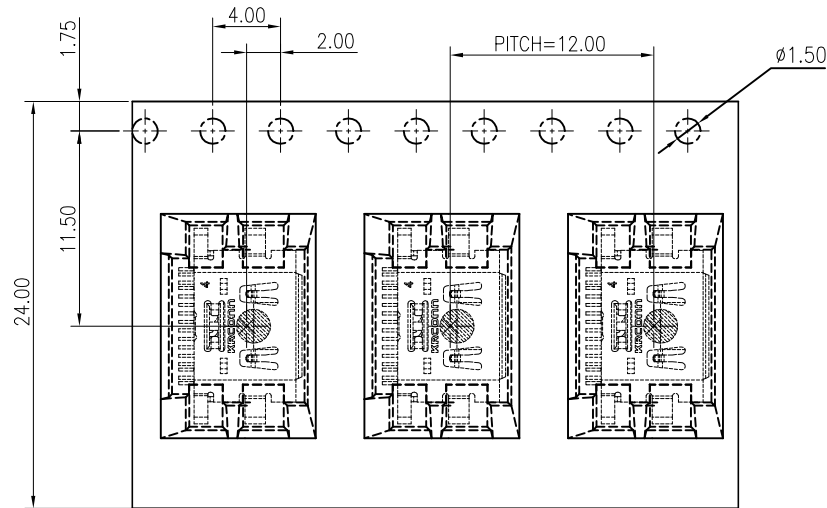
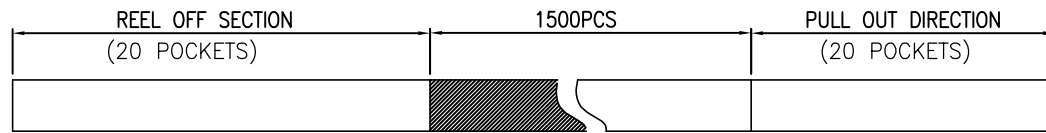
RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

DEFAULT TOLERANCE: ±0.05mm



REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PROPOSE ONLY	ERIC	2025.06.30

CONN. PART NO.	CONN. QTY./REEL	REEL QTY./CARTON	CONN. QTY./CARTON
TCR28-04121605-K5	1500	10	15000 PCS



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 16PIN L=6.0mm L/P2.38mm CONN. REC.		
X :±0.5	X :±2°	DWN	chenjun	PART NO. TCR28-04121605-K5	
X.X :±0.30	X.X :±1°	CHKD	chenjun	SCALE:1:1	UNIT: mm
X.XX :±0.20		APVD	Kevin.d	SIZE: A4	SHEET:30F3
X.XXX :±0.10		DRAW NO. C-DWG-TCR28-K5		CUSTOMER COPY	