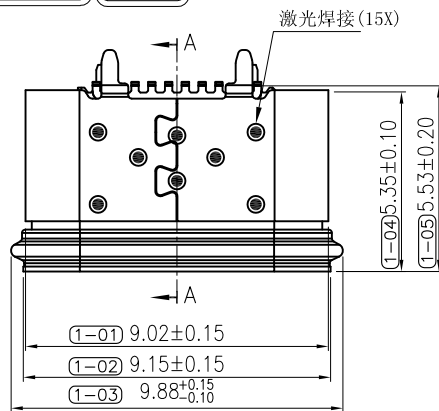


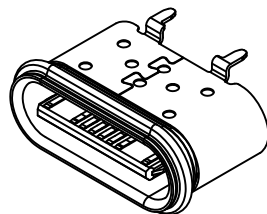


REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	FIRST RELEASE	ERIC	2024.08.23

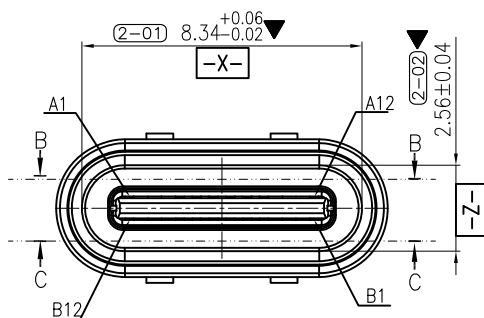
A



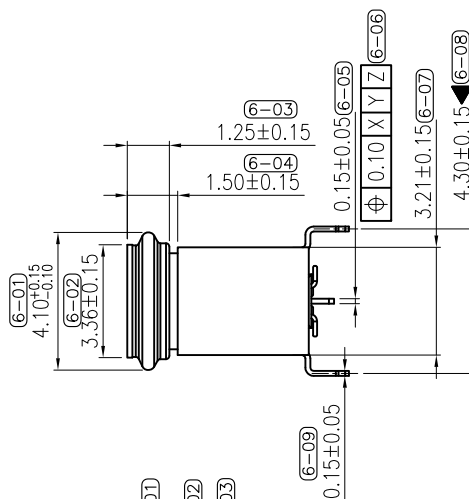
-Y-

3d view
Front

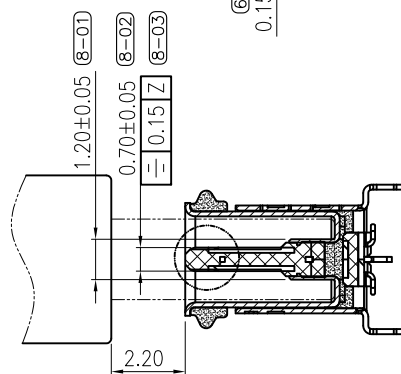
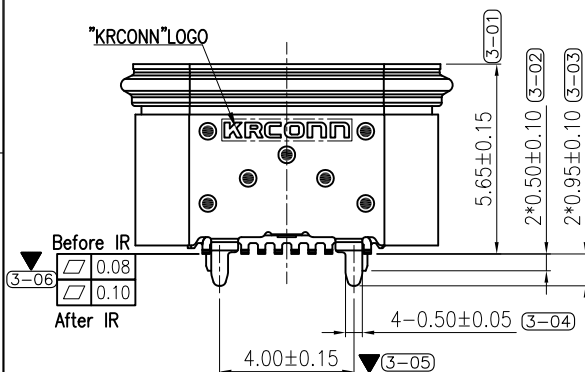
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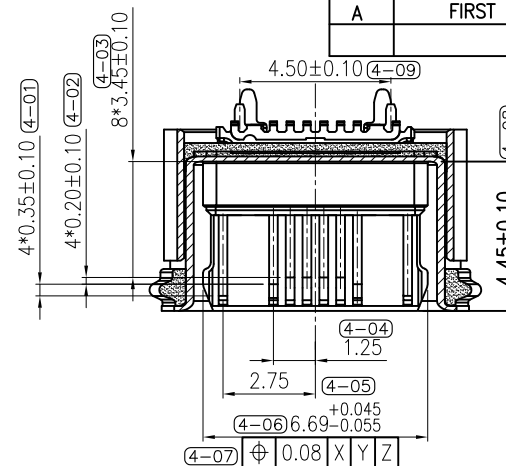
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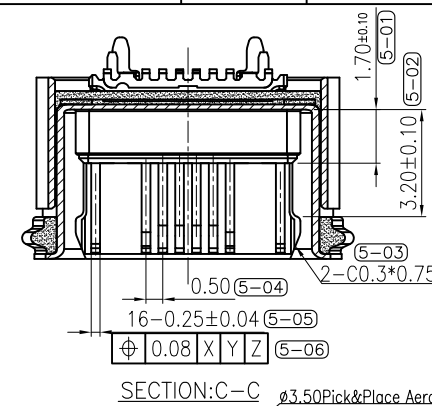
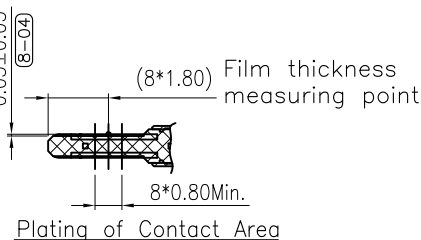
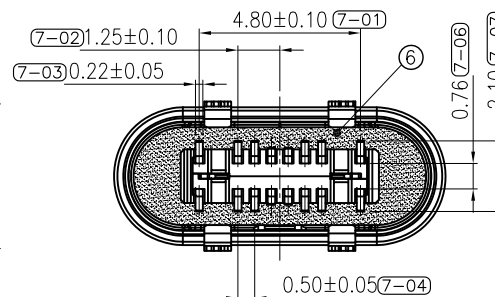
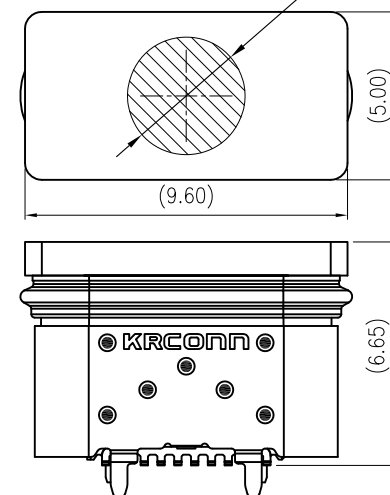
D



SECTION:A-A



SECTION:B-B

SECTION:C-C ϕ 3.50Pick&Place Aero

CAP. ASSEMBLY AND MOUNTING 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 :±0.5	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 16PIN H=5.65MM WATERPROOF CONN. REC.
DWN	chenjun PART NO. TWR25-56121605-K8
CHKD	chenjun SCALE:1:1 UNIT: mm
APVD	Kevin.d SIZE: A4 SHEET:1 OF 3 REV: A
DRAW NO.	C-DWG-TWR25-K8 CUSTOMER COPY

A

B

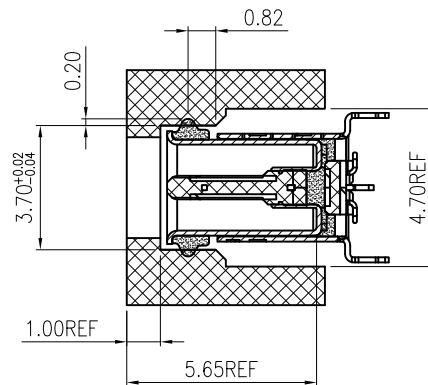
C

D

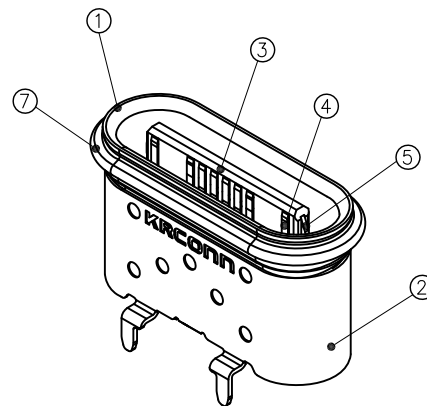


PIN ASSIGNMENTS:

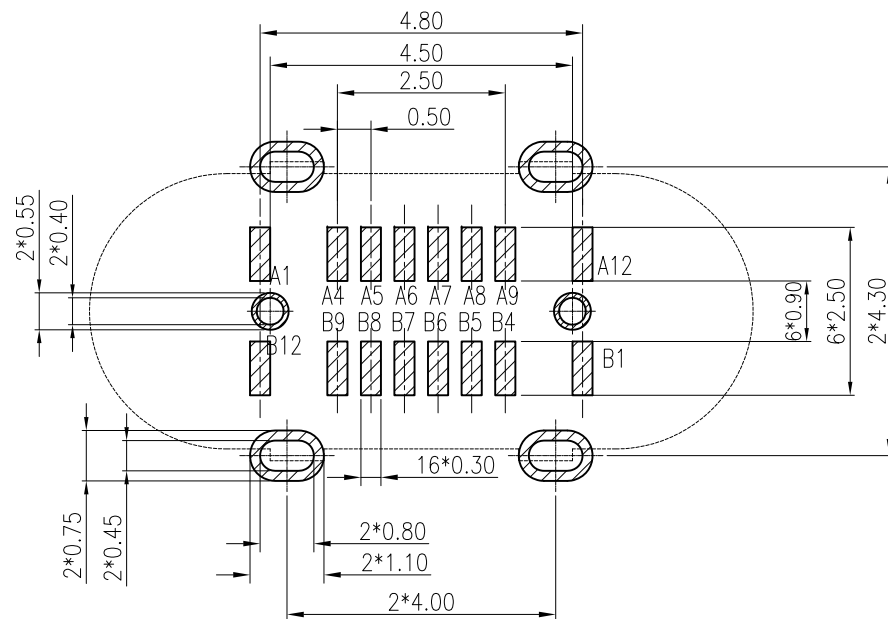
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	D+	D-	SBU1	VBUS			GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND			VBUS	SBU2	D-	D+	CC2	VBUS			GND



RECOMENDED OPENING DIMENSIONS OF CASE MATING AREA WITH SEALING RING



3D视图



焊盘区域 RECOMMENDED P.C.B LAYOUT (THICKNESS:0.80MM)
DEFAULT TOLERANCE: ±0.05mm
THE THICKNESS OF STEEL MESH IS 0.12mm

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	FIRST RELEASE	ERIC	2024.08.23

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: Initial:5~20N;Durability:5~20N(10000cycles);
2.2 EXTRACTION FORCE: Initial:8~20N;Durability:6~20N(10000cycles);
2.3 DURABILITY:10000 CYCLES

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.

- 3.3. WATERPROOF:IP68

Part NO.

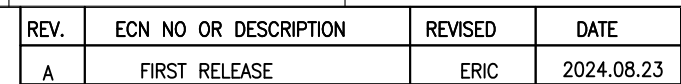
TWR25-56 1 2 16 05-K8

PRODUCT ORDER

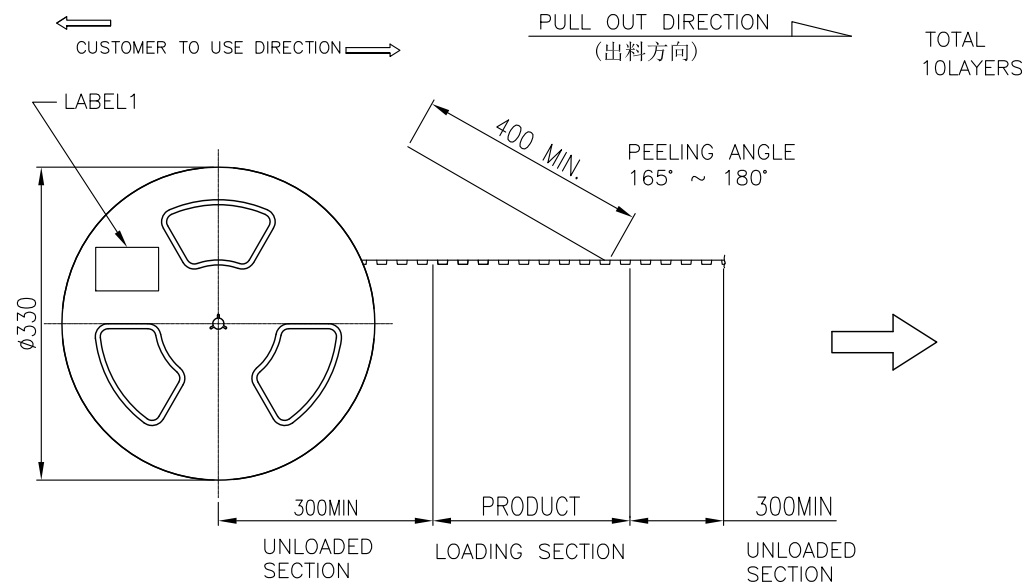
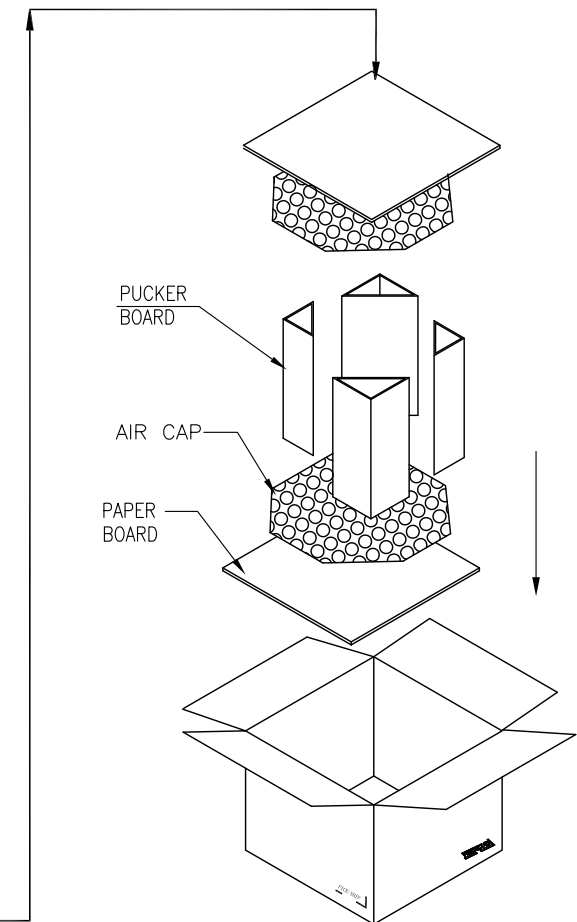
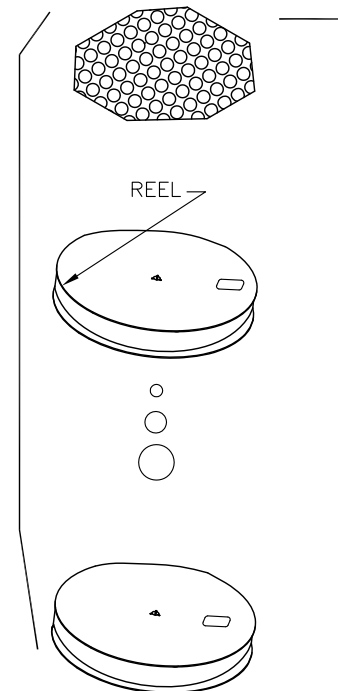
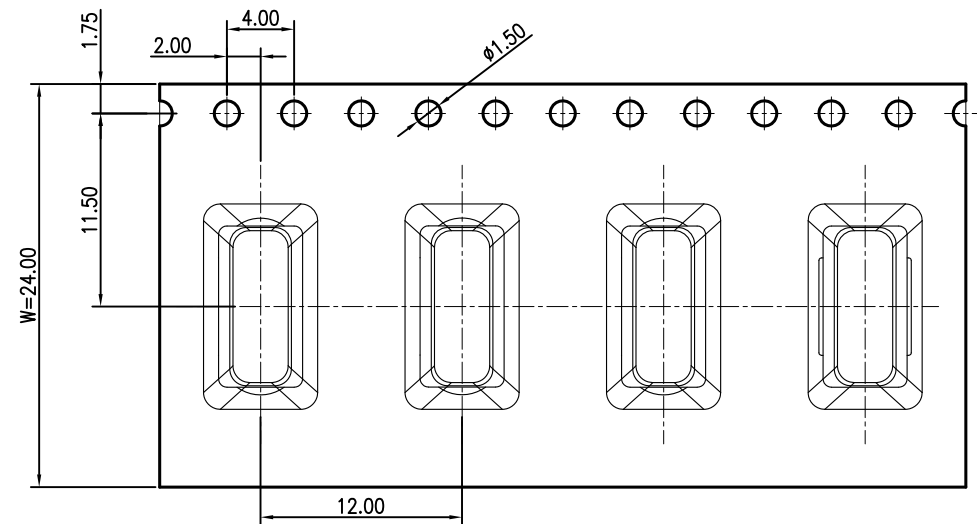
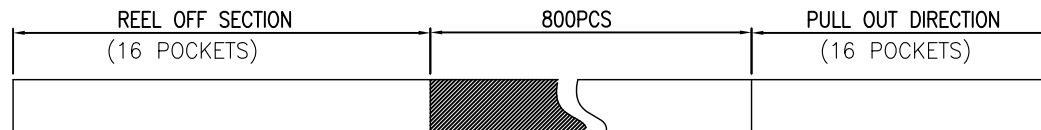
On Board Hight/56=5.6mm
COLOUR/1=BLACK HOUSING
POST/2=Without Dull Post
Pin Number./16=16Pin
Plating On Contact Area./05=Au15u"
Services Number.

⑦	O-RING	1 PCS	SILICONE	BLACK
⑥	GLUE WATER	1 PCS	SILICONE	BLACK
⑤	MID PLATE	1 PCS	SUS301-H T=0.15mm	THE OVERALL CLEANING
④	CONTACT	2 SET	C7025 T=0.12mm	Ni 50u"-150u". UNDER PLATED OVER ALL. CONTACT AREA:15u"Au BRUSH PLATING SOLDER AREA:1u"Au"
③	HOUSING	1 PCS	PA10T_HPN-FRG30M01-20ANH	COLOR: BLACK UL94V-0
②	SHELL	1 PCS	SUS304-1/2H T=0.15mm	Ni 50u". UNDER PLATED OVER ALL.
①	SHELL-main	1 PCS	SUS316-L T=0.15mm	GRINDING AND POLISHING

NO.	DESCRIPTION	QTY.	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFED 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 H=5.65MM WATERPROOF CONN. REC.	
X	:±0.5	X	:±2°	DWN chenjun PART NO. TWR25-56121605-K8
X.X	:±0.30	X.X	:±1°	CHKD chenjun SCALE:1:1 UNIT: mm
X.XX	:±0.20			APVD Kevin.d SIZE: A4 SHEET:2 OF 3 REV: A
X.XXX	:±0.10			DRAW NO. C-DWG-TWR25-K8 CUSTOMER COPY



CONN. PART NO.	CONN. QTY./REEL	REEL QTY./CARTON	CONN. QTY./CARTON
TWR25-56121605-K8	800	10	8000 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 H=5.65MM WATERPROOF CONN. REC.			
X :±0.5	X :±2°	DWN	chenjun	PART NO. TWR25-56121605-K8		
X.X :±0.30	X.X :±1°	CHKD	chenjun	SCALE:1:1	UNIT: mm	
X.XX :±0.20		APVD	Kevin.d	SIZE: A4	SHEET:3 OF 3	REV: A
X.XXX :±0.10		DRAW NO. C-DWG-TWR25-K8			CUSTOMER COPY	