



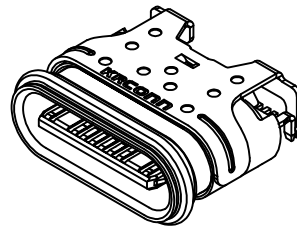
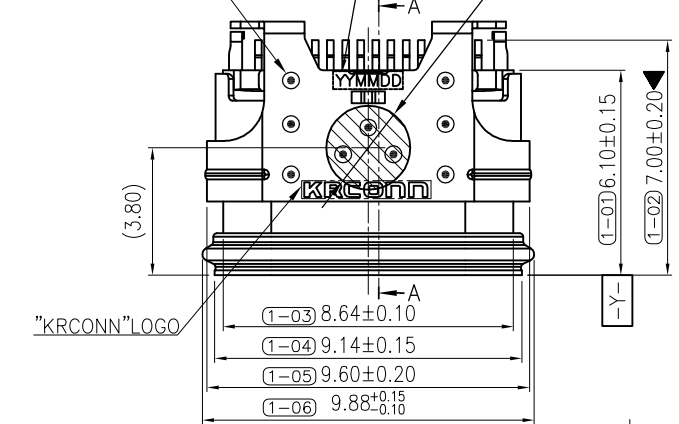
YY MM DD
day:01,02,03
month:01,02,03
year:23,24,25

Date Code:

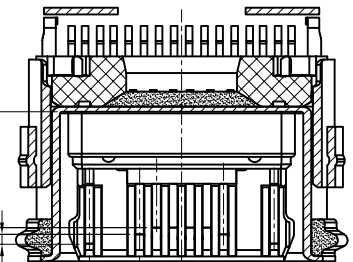
Ø2.50Pick&Place Aero

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	FIRST RELEASE	ERIC	2024.09.08

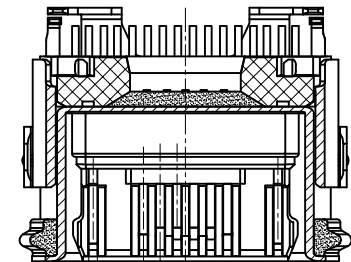
LASER WELDING POING



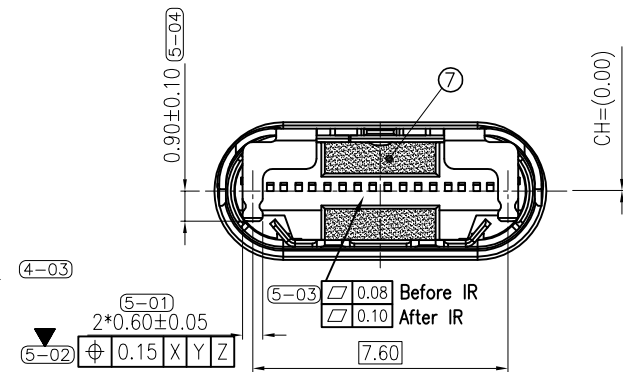
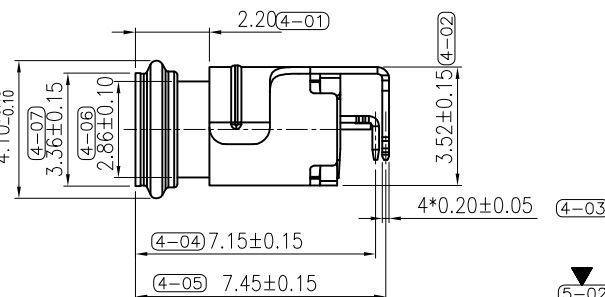
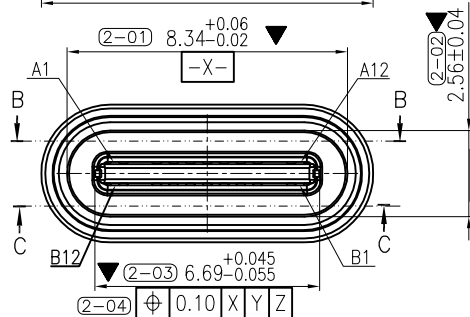
3d view
Front



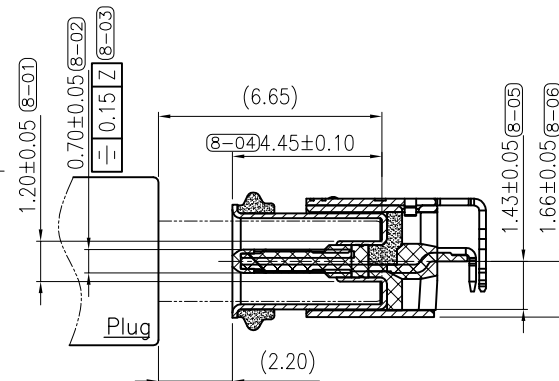
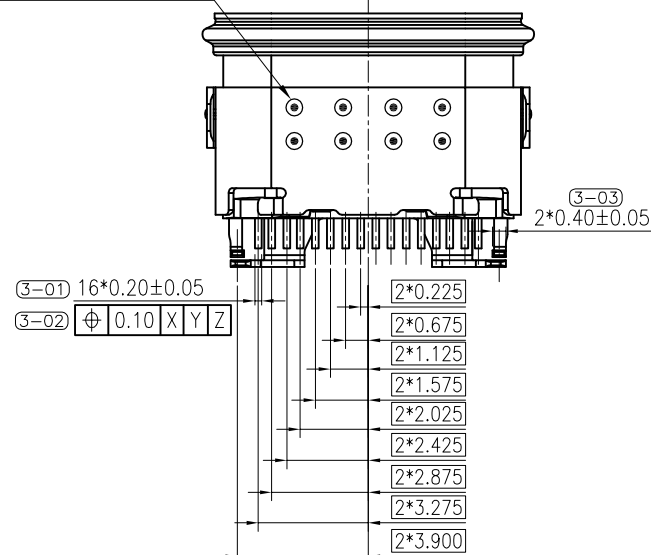
SECTION:B-B



SECTION:C-C



LASER WELDING POING



SECTION:A-A

(8*1.80) Film thickness
measuring point

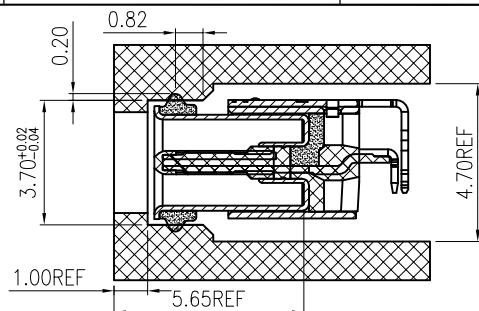
8*0.80Min. (9-01)

Plating of Contact Area

品质管控等级要求

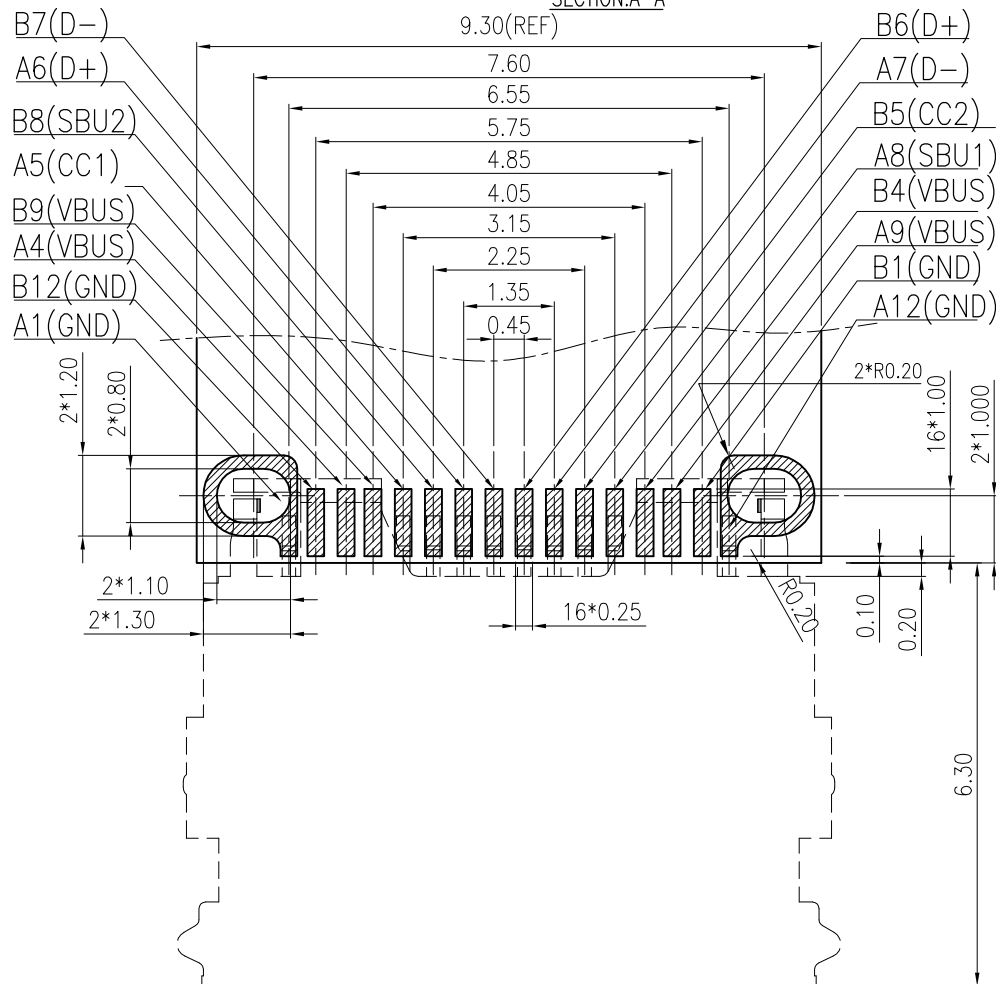
符号	等级	产品管控要求
▼	重点要求	巡检, 定义检验频率
▽	特殊性要求	CPK>1.33
◎	全检要求	自动机检验

UNLESS OTHERWISE SPECIFIED TOLERANCES		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=6.1MM WATERPROOF CONN. REC.		
X :±0.5	X :±2°	DWN	chenjun	PART NO. TWR38-18121605-05	
X.X :±0.20	X.X :±1°	CHKD	chenjun	SCALE:1:1	UNIT: mm
X.XX :±0.10		APVD	Kevin.d	SIZE: A4	SHEET:10F3
X.XXX :±0.05		DRAW NO. C-DWG-TWR38-05		CUSTOMER COPY	



RECOMENDED OPENING DIMENSIONS OF CASE MATING AREA WITH SEALING RING

SECTION:A-A



RECOMMENDED P.C.B LAYOUT (THICKNESS:0.80MM)
DEFAULT TOLERANCE: ±0.05mm
THE THICKNESS OF STEEL MESH IS 0.10mm

SPECIFICATION:

1.ELECTRICAL CHARACTERISTICS:

- 1.1 CURRENT RATING: Vbus 5A, VCONN PIN 1.25A ALL OTHER PINS:0.25A
- 1.2 CONTACT RESISTANCE: 40 MILLIONHM 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

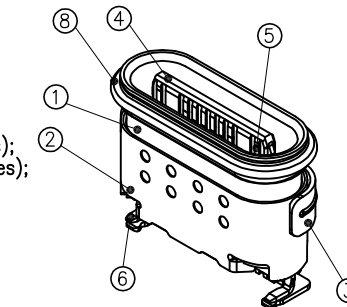
- 3.1 TEMPERATURE RANGE: -40 °C ~ 85 °C
- 3.2. IR REFLOW:

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

3.3. WATERPROOF:IPX5

TW R 38 - 18 1 2 16 05 - 05

PRODUCT ORDER



3d view
Back

On Board Hight/18=1.8mm
COLOUR/1=BLACK HOUSING
POST/2=WITHOUT DULL POST
Pin Number./16=16Pin
Plating On Contact Area. 05=15u"Au
Services Number.

PIN ASSIGNMENTS:

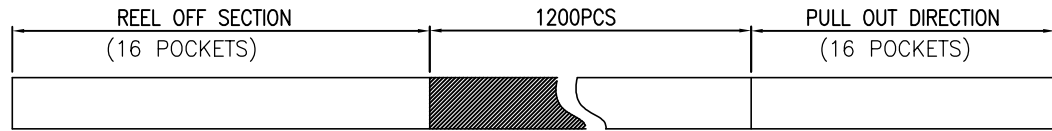
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	D+	D-	SBU1	VBUS			GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND			VBUS	SBU2	D-	D+	CC2	VBUS			GND

⑧	O-RING	1 PCS	SILICONE	BLACK
⑦	GLUE WATER	1 PCS	SILICONE	BLACK
⑥	MID PLATE	1 PCS	SUS301-H T=0.20mm	Ni 50u"min. UNDER PLATED OVER ALL.
⑤	CONTACT	2 SET	C2680 T=0.25mm	Ni 50u"-150u". UNDER PLATED OVER ALL. CONTACT AREA:15u"Au BRUSH PLATING SOLDER AREA:Au:1u"min
④	HOUSING	1 PCS	PA10T HPN-FRG30M01-20ANH	COLOR: BLACK UL94V-0
③	SHELL-2	1 PCS	SUS304 T=0.20	Ni 50u"min. UNDER PLATED OVER ALL.
②	SHELL-1	1 PCS	SUS304 T=0.20	Ni 50u"min. UNDER PLATED OVER ALL.
①	SHELL-main	1 PCS	SUS316L T=0.15mm	GRINDING AND POLISHING

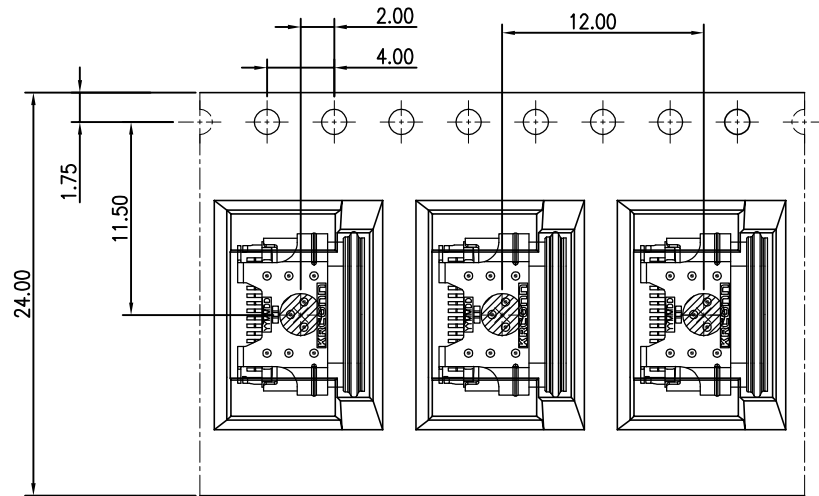
NO.	DESCRIPTION	QTY.	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED TOLERANCES			UNLESS OTHERWISE SPECIFIED TOLERANCES	
DECIMALS:			ANGLES:	
X :±0.5			X :±2°	
X.X :±0.30			X.X :±1°	
X.XX :±0.20				
X.XXX :±0.10				
			TITLE	Type.C 16PIN L=6.1MM WATERPROOF CONN. REC.
			DWN	chenjun PART NO. TWR38-18121605-05
			CHKD	chenjun SCALE:1:1 UNIT: mm
			APVD	Kevin.d SIZE: A4 SHEET:20F3 REV: A
			DRAW NO. C-DWG-TWR38-05 CUSTOMER COPY	



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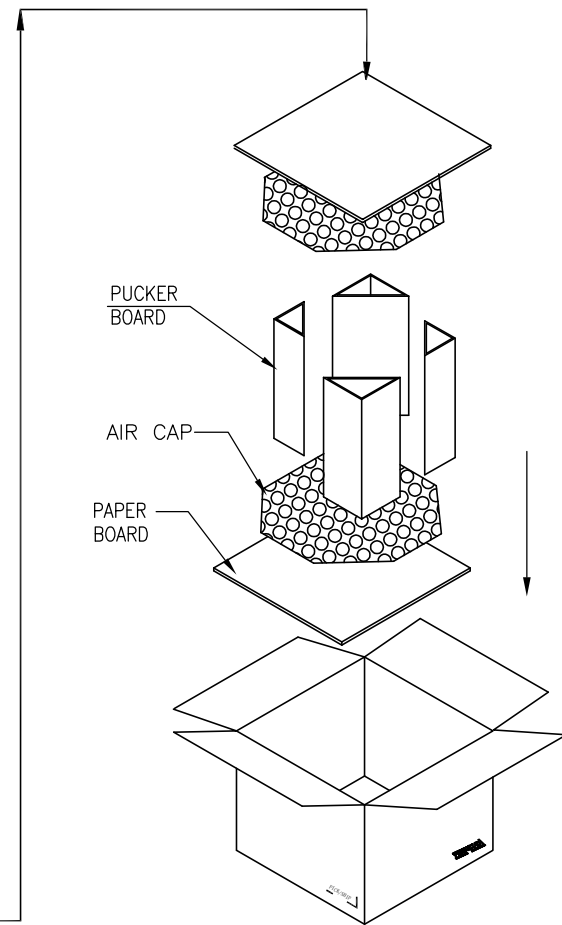
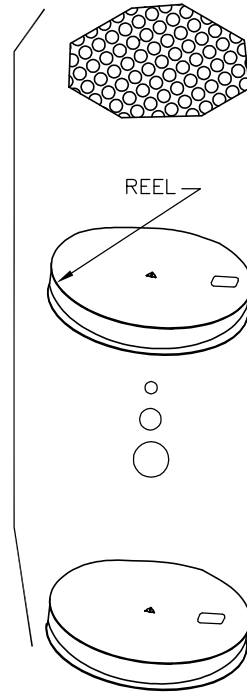
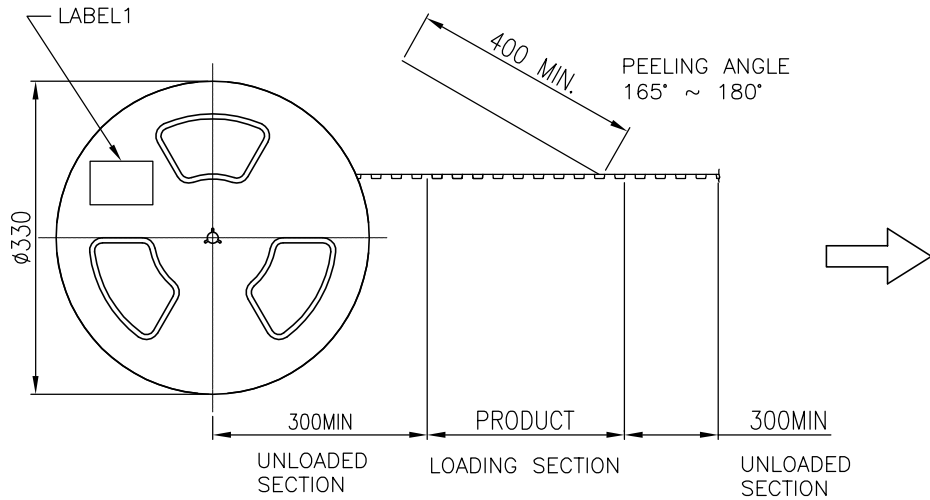


CONN. PART NO.	CONN. QTY./REEL	REEL QTY./CARTON	CONN. QTY./CARTON
TWR38-18121605-05	1200	10	12000 PCS



CUSTOMER TO USE DIRECTION
PULL OUT DIRECTION (出料方向)

TOTAL 10LAYERS



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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