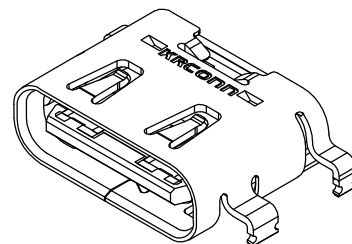
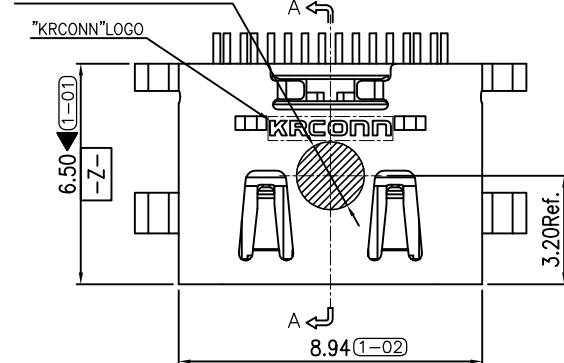


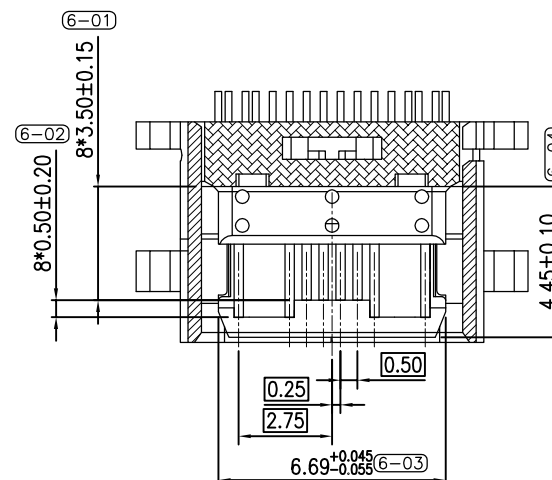


| REV. | ECN NO OR DESCRIPTION | REVISED | DATE       |
|------|-----------------------|---------|------------|
| A    | FIRST RELEASE         | ERIC    | 2023.11.22 |
|      |                       |         |            |

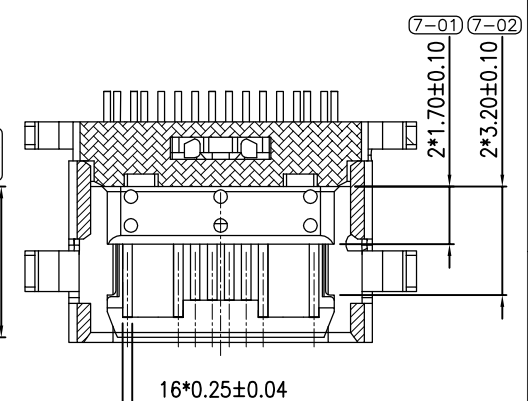
Ø2.00(Pick&Place Aera)



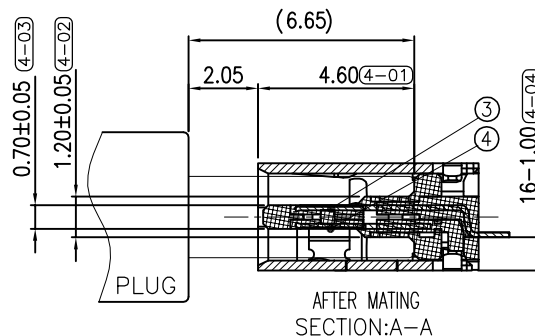
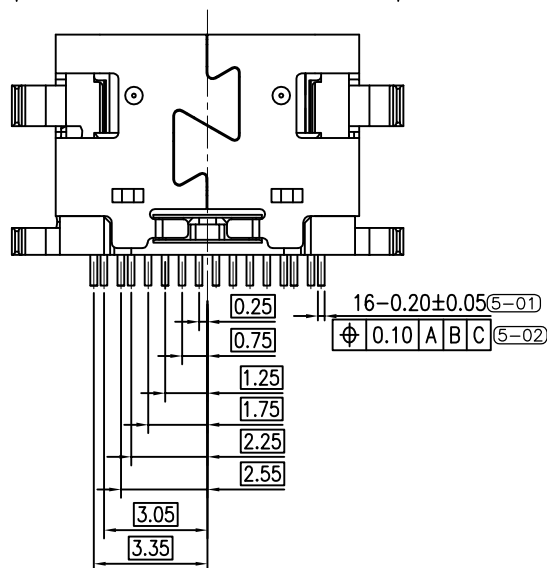
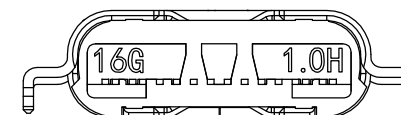
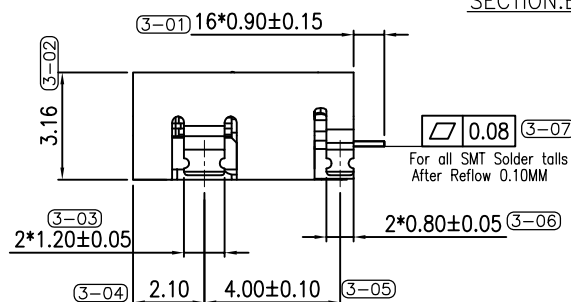
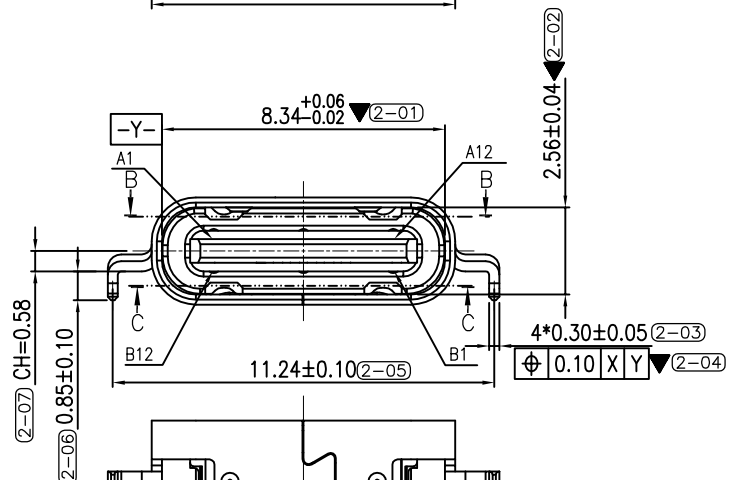
3d view  
front



SECTION:B-B



SECTION:C-C



AFTER MATING  
SECTION:A-A

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 L=6.5mm L/P1.0mm CONN. REC. |                            |            |                                                                                       |
| DWN                     | chenjun                                  | PART NO. TCR16-22121602-T1 |            |                                                                                       |
| CHKD                    | chenjun                                  | SCALE:1:1                  | UNIT: mm   |  |
| APVD                    | Kevin.d                                  | SIZE: A4                   | SHEET:10F3 | REV: A                                                                                |
| DRAW NO. C-DWG-TCR16-T1 |                                          | CUSTOMER COPY              |            |                                                                                       |

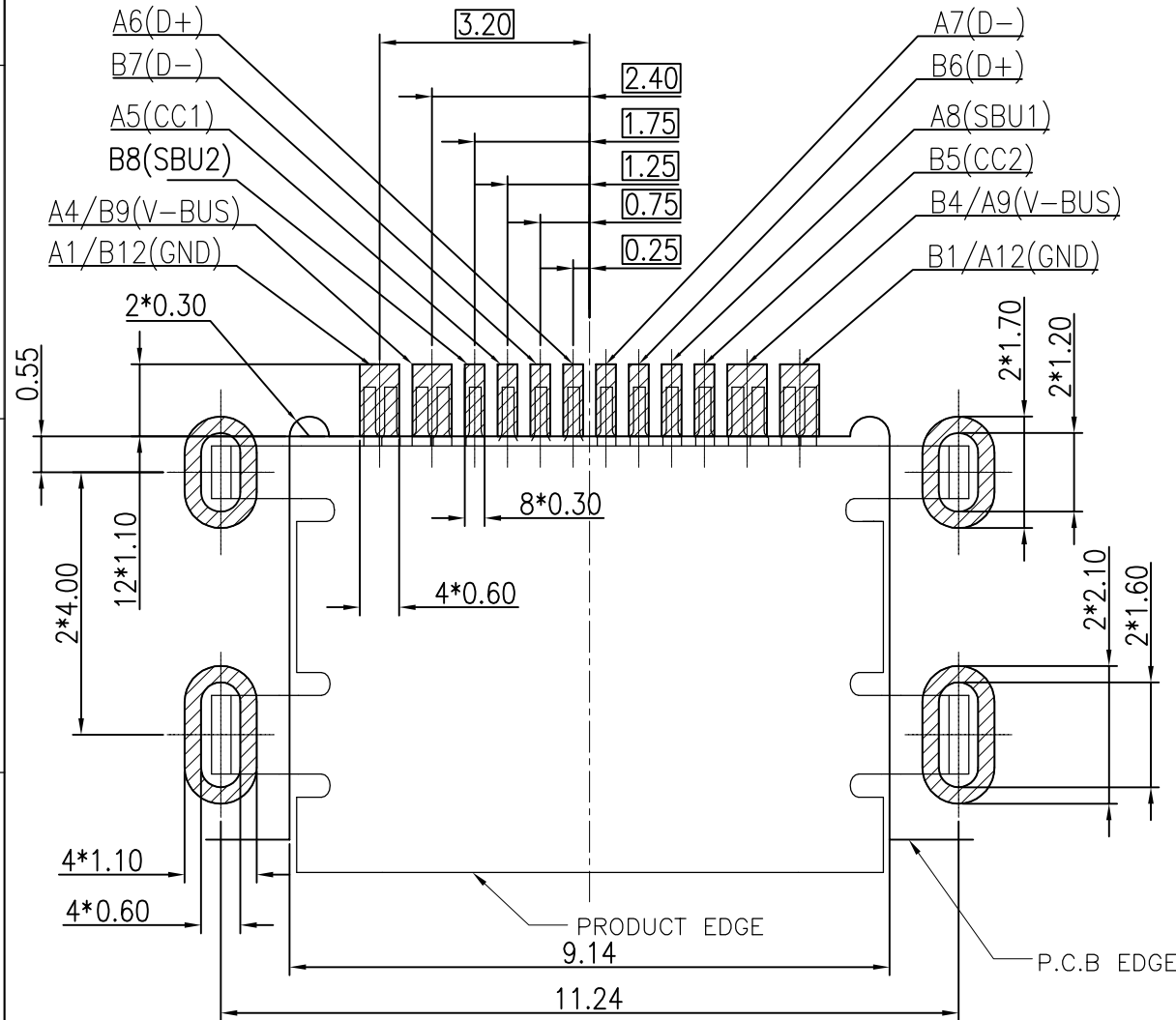


RoHS  
Compliant  
2011/65/EU



Compliant  
Halogen Free

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



RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)  
DEFAULT TOLERANCE:  $\pm 0.05\text{mm}$

| REV. | ECN NO OR DESCRIPTION | REVISED | DATE       |
|------|-----------------------|---------|------------|
| A    | FIRST RELEASE         | ERIC    | 2023.11.22 |
|      |                       |         |            |

#### 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 RESISTANCE: 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:  $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- 3.2. IR REFLOW:

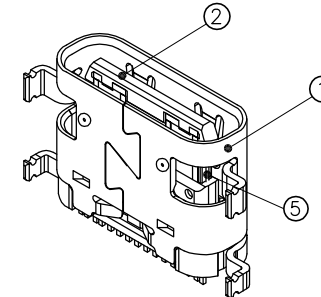
THE PEAK TEMPERATURE ON THE BOARD SHALL  
BE MAINTAINED FOR 10 SECONDS AT  $260^{\circ}\text{C}$ .

#### 4.PART NO.:

TCR16-22 1 2 16 02-T1

PRODUCT ORDER

HEIGHT ON BOARD 22=2.2mm  
COLOUR/1=BLACK HOUSING  
POST/2=Without Dull Post  
Pin Number./16=16Pin  
Plating On Contact Area./02=Au3u"  
Series NO.  
SEE Detailed List



|   |           |       |                 |                                                                                                     |
|---|-----------|-------|-----------------|-----------------------------------------------------------------------------------------------------|
| ⑤ | MID PLATE | 1 PCS | STAINLESS STEEL | NO SURFACE TREATMENT                                                                                |
| ④ | CONTACT B | 1 SET | COPPER ALLOY    | Ni 50u" MIN. UNDER PLATED OVER ALL.<br>Au 3u" PLATED ON THE FUNCTIONAL AREA OF CONTACT.             |
| ③ | CONTACT A | 1 SET | COPPER ALLOY    | (GOLD PLATING THICKNESS FOLLOW THE P/N)<br>PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N |
| ② | HOUSING   | 3 PCS | THERMOPLASTIC   | COLOR: BLACK&WHITE                                                                                  |
| ① | SHELL     | 1 PCS | STAINLESS STEEL | Ni 30u" MIN. UNDER PLATED OVER ALL.                                                                 |

| NO. | DESCRIPTION | QTY. | MATERIAL | FINISH |
|-----|-------------|------|----------|--------|
|-----|-------------|------|----------|--------|

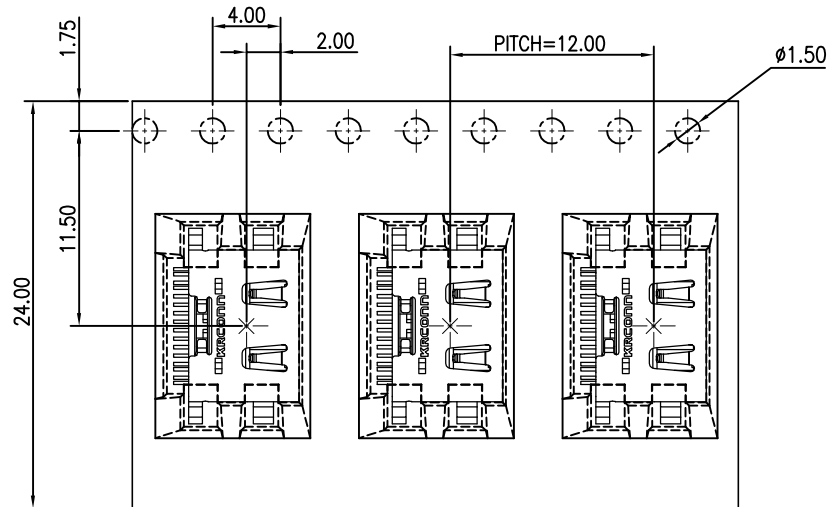
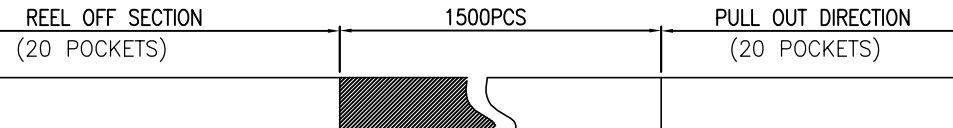
|                                       |  |                                                      |  |  |
|---------------------------------------|--|------------------------------------------------------|--|--|
| UNLESS OTHERWISE SPECIFIED TOLERANCES |  | 深圳市精睿兴业科技有限公司<br>SHENZHEN KRCONN TECHNOLOGY CO., LTD |  |  |
|---------------------------------------|--|------------------------------------------------------|--|--|

|                    |                       |                         |                                          |               |        |
|--------------------|-----------------------|-------------------------|------------------------------------------|---------------|--------|
| DECIMALS:          | ANGLES:               | TITLE                   | Type.C 16PIN L=6.5mm L/P1.0mm CONN. REC. |               |        |
| X : $\pm 0.5$      | X : $\pm 2^{\circ}$   | DWN chenjun             | PART NO. TCR16-22121602-T1               |               |        |
| X.X : $\pm 0.30$   | X.X : $\pm 1^{\circ}$ | CHKD chenjun            | SCALE:1:1                                | UNIT: mm      |        |
| X.XX : $\pm 0.20$  |                       | APVD Kevin.d            | SIZE: A4                                 | SHEET:20F3    | REV: A |
| X.XXX : $\pm 0.10$ |                       | DRAW NO. C-DWG-TCR16-T1 |                                          | CUSTOMER COPY |        |



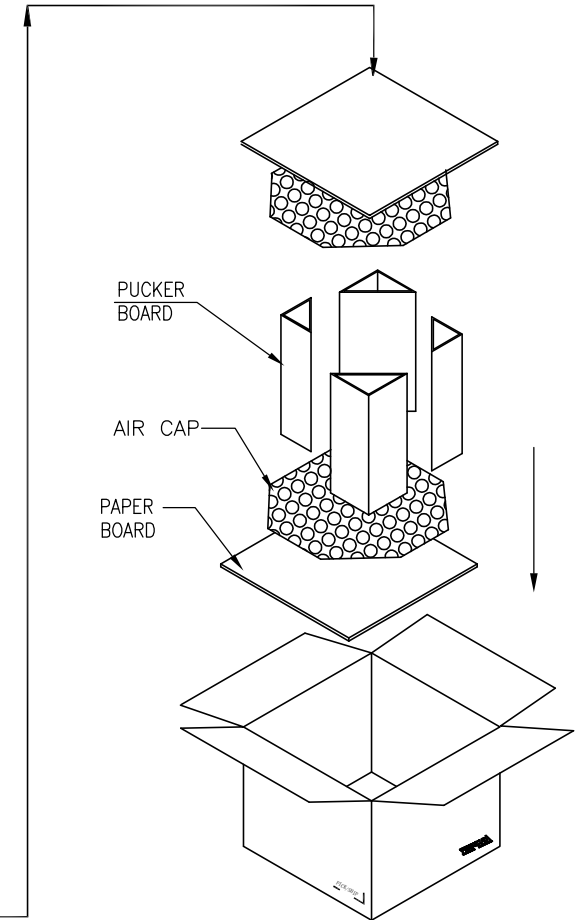
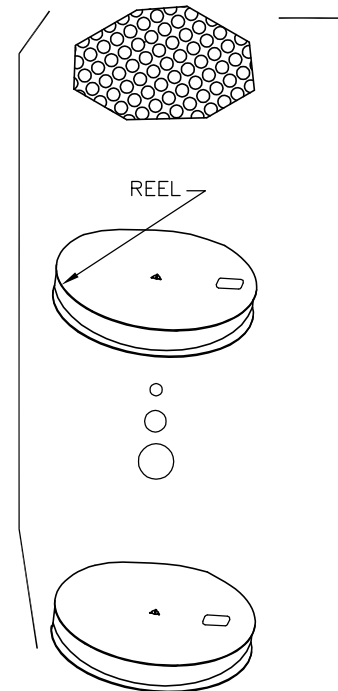
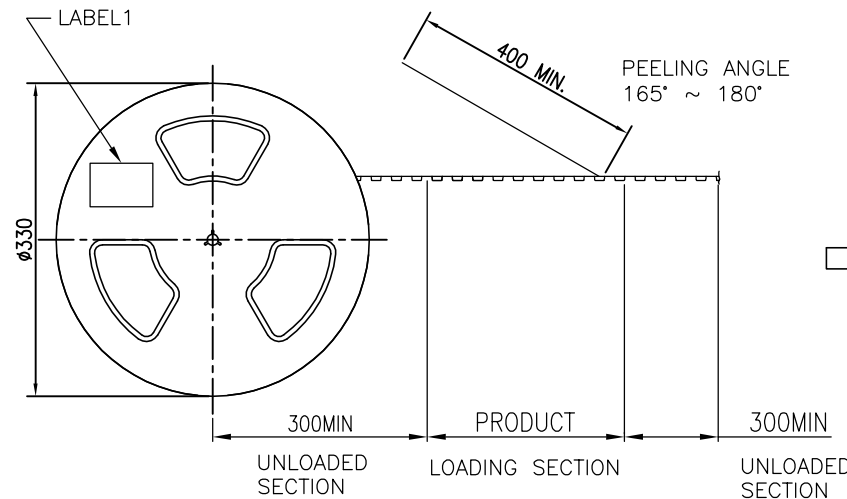
| REV. | ECN NO OR DESCRIPTION | REVISED | DATE       |
|------|-----------------------|---------|------------|
| A    | PROPOSE ONLY          | ERIC    | 2023.11.22 |

| CONN. PART NO.    | CONN. QTY./REEL | REEL QTY./CARTON | CONN. QTY./CARTON |
|-------------------|-----------------|------------------|-------------------|
| TCR16-22121602-T1 | 1500            | 10               | 15000 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<br>SHENZHEN KRCONN TECHNOLOGY CO., LTD |                                          |                            |            |
|---------------------------------------|----------|------------------------------------------------------|------------------------------------------|----------------------------|------------|
| DECIMALS:                             | ANGLES:  | TITLE                                                | Type.C 16PIN L=6.5mm L/P1.0mm CONN. REC. |                            |            |
| X :±0.5                               | X :±2°   | DWN                                                  | chenjun                                  | PART NO. TCR16-22121602-T1 |            |
| 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-TCR16-T1                              |                                          | CUSTOMER COPY              |            |