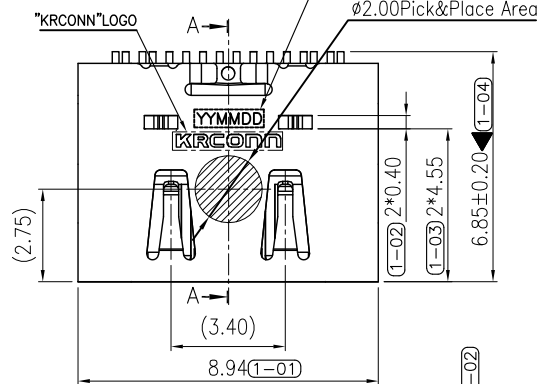
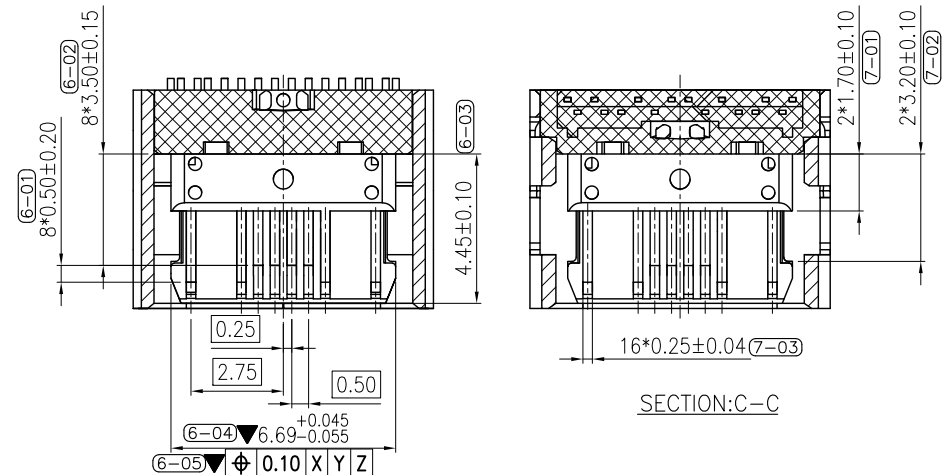
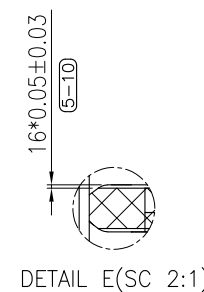
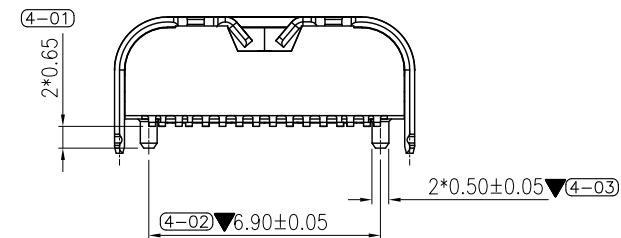
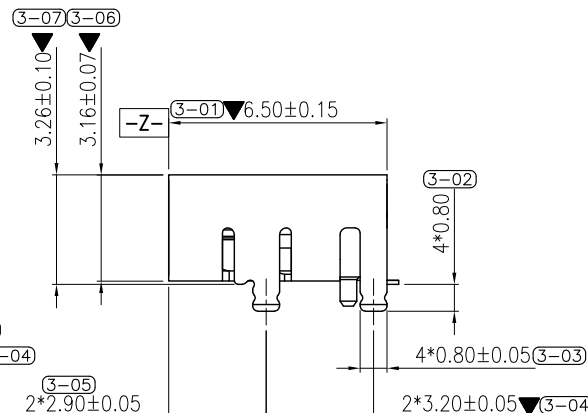
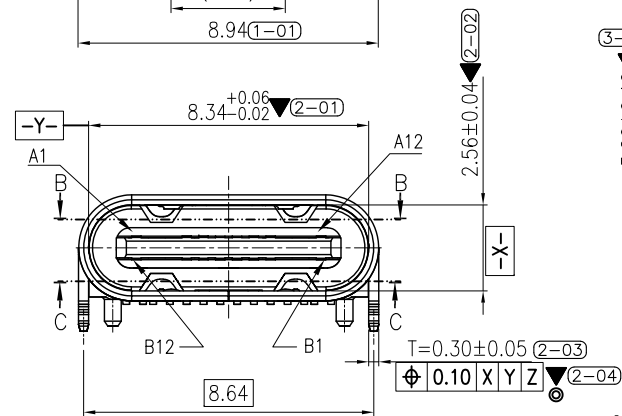


3d view Front



SECTION: B-B

SECTION: C-C



AFTER MATING

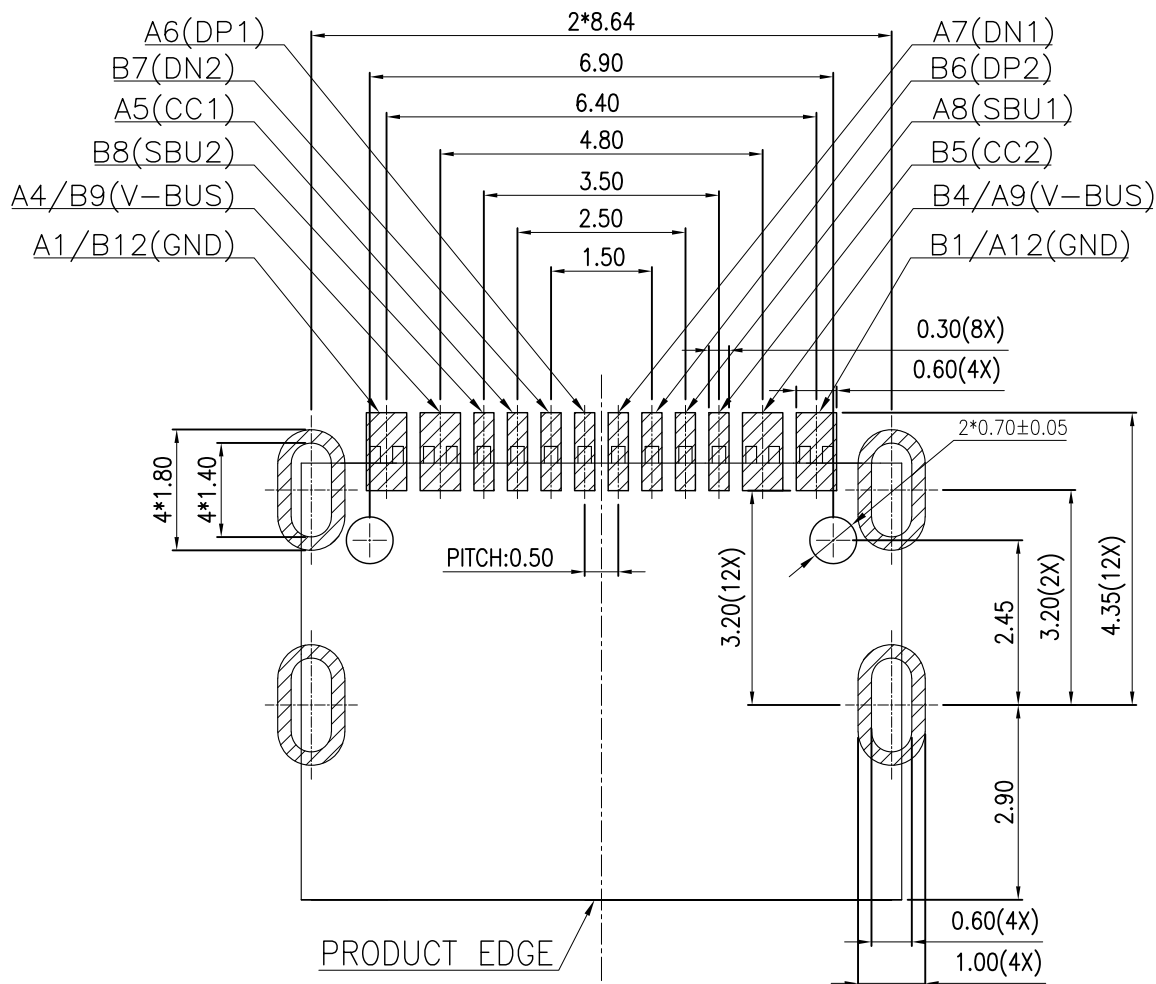
SECTION: A-A

| 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 SMT L6.5MM CONN. |                            |               |
| X :±0.50                              | X :±2°   | DWN                                                  | chenjun                       | PART NO. TCR66-32111602-A1 |               |
| X.X :±0.30                            | X.X :±1° | CHKD                                                 | chenjun                       | SCALE:1:1                  | UNIT: mm      |
| X.XX :±0.20                           |          | APVD                                                 | Kevin.d                       | SIZE: A4                   | SHEET: 1 OF 3 |
| X.XXX :±0.10                          |          | DRAW NO. C-DWG-TCR66-A1                              |                               | CUSTOMER COPY              |               |

| 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      |

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 |



RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

PCB THICKNESS: 0.80±0.05mm  
DEFAULT TOLERANCE: ±0.05mm

| REV. | ECN NO OR DESCRIPTION | REVISED | DATE       |
|------|-----------------------|---------|------------|
| A    | PROPOSE ONLY          | CHEN    | 2025.08.14 |

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

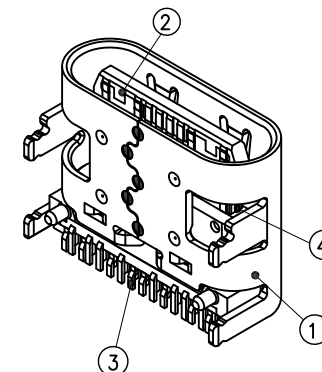
- 2.1 INSERTION FORCE: Initial:5~20N;Durability:5~20N(10000cycles);
- 2.2 EXTRACTION FORCE: Initial:8~20N;Durability:6~20N(10000cycles);
- 2.3 DURABILITY:10000 CYCLES

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.

TCR66 - 32 1 1 16 02 - A1  
PRODUCT ORDER

On Board Hight/32=3.2mm  
COLOUR/1=BLACK HOUSING  
POST/1=With Dull Post  
Pin Number./16=16Pin  
Plating On Contact Area./02=Au3u"  
Services Number.

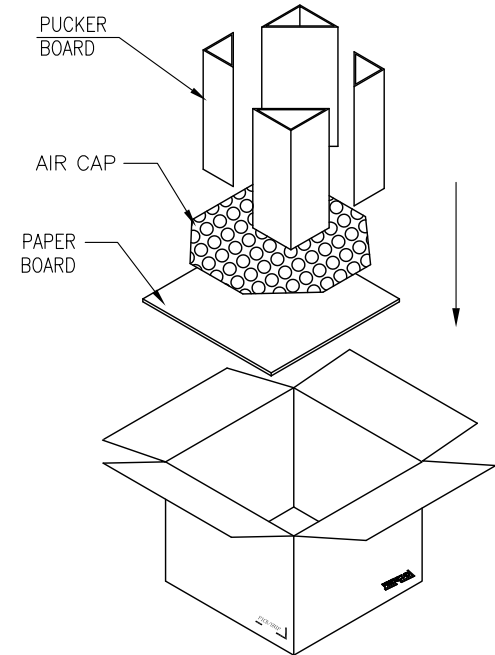
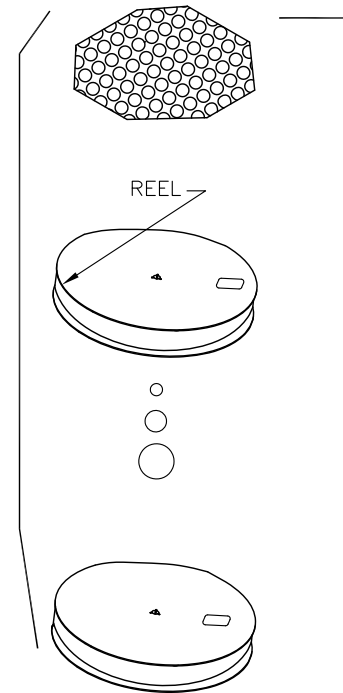
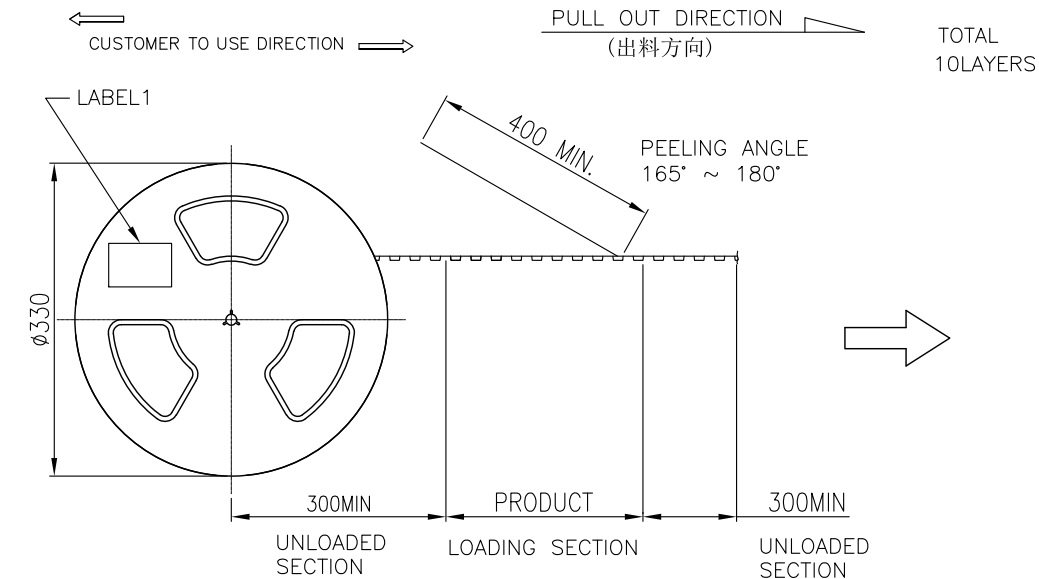
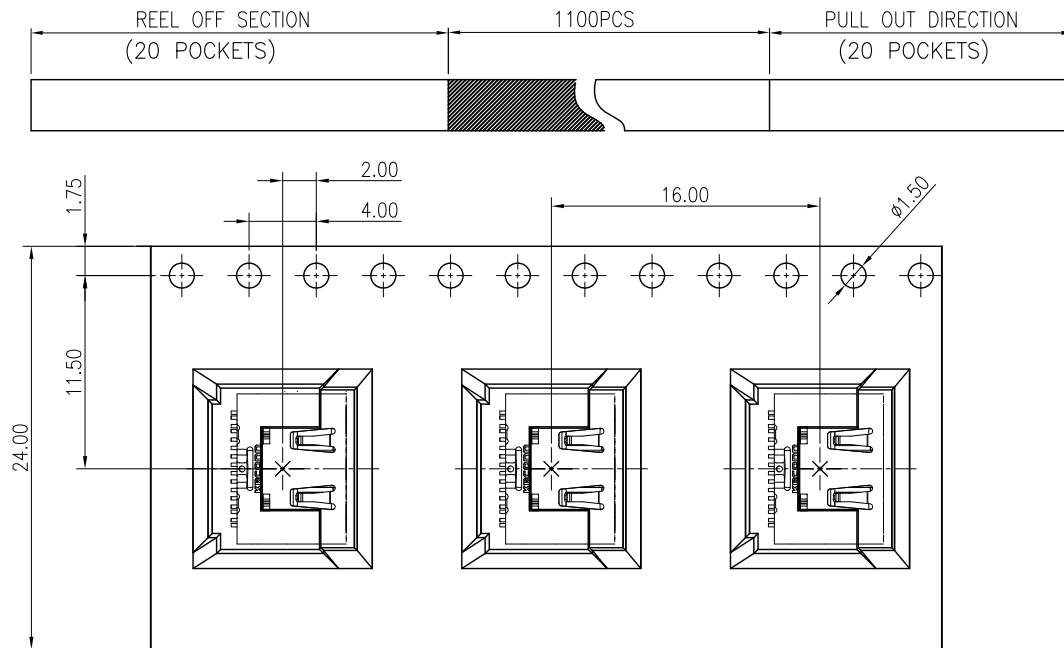


| ④                                    | MID PLATE   | 1 PCS   | STAINLESS STEEL                                      | NO SURFACE TREATMENT                                                                         |
|--------------------------------------|-------------|---------|------------------------------------------------------|----------------------------------------------------------------------------------------------|
| ③                                    | CONTACT     | 1 SET   | COPPER OLLAY                                         | Ni 50u"min. UNDER PLATED OVER ALL.<br>CONTACT AREA:3u"Au BRUSH PLATING<br>SOLDER AREA:1u"Au" |
| ②                                    | HOUSING     | 1 PCS   | THERMOPLASTIC                                        | COLOR: BLACK                                                                                 |
| ①                                    | SHELL       | 1 PCS   | STAINLESS STEEL                                      | Ni 30u" MIN. UNDER PLATED OVER ALL.                                                          |
| NO.                                  | DESCRIPTION | QTY.    | MATERIAL                                             | FINISH                                                                                       |
| UNLESS OTHERWISE SPECIFED TOLERANCES |             |         | 深圳市精睿兴业科技有限公司<br>SHENZHEN KRCONN TECHNOLOGY CO., LTD |                                                                                              |
| DECIMALS:                            |             | ANGLES: | TITLE                                                |                                                                                              |
| X                                    | :±0.50      | X       | :±2°                                                 | TYPE.C 16PIN SMT L6.5MM CONN.                                                                |
| X.X                                  | :±0.30      | X.X     | :±1°                                                 | DWN chenjun PART NO. TCR66-32111602-A1                                                       |
| X.XX                                 | :±0.20      |         |                                                      | CHKD chenjun SCALE:1:1 UNIT: mm                                                              |
| X.XXX                                | :±0.10      |         |                                                      | APVD Kevin.d SIZE: A4 SHEET: 2 OF 3 REV: A                                                   |
| DRAW NO. C-DWG-TCR66-A1              |             |         | CUSTOMER COPY                                        |                                                                                              |



| REV. | ECN NO OR DESCRIPTION | REVISED | DATE       |
|------|-----------------------|---------|------------|
| A    | PROPOSE ONLY          | CHEN    | 2025.08.14 |

| CONN. PART NO.    | CONN. QTY./REEL | REEL QTY./CARTON | CONN. QTY./CARTON |
|-------------------|-----------------|------------------|-------------------|
| TCR66-32111602-A1 | 1100            | 10               | 1100 PCS          |



| 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 SMT L6.5MM CONN. |                            |               |
| X :±0.50                              | X :±2°   | DWN                                                  | chenjun                       | PART NO. TCR66-32111602-A1 |               |
| 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 |
| X.XXX :±0.10                          |          | DRAW NO. C-DWG-TCR66-A1                              |                               | CUSTOMER COPY              |               |