



NOTES:

1. MATERIAL: SEE "TABLE 1"
2. FINISH: SEE "TABLE 1"
3. ELECTRICAL :
 - 3-1. CONTACT CURRENT RATING :
5A(VBUS PIN 1.5 A/PIN),
5A(GND PIN 1.25 A/PIN MAX),0.25 A/PIN(OTHER PIN).
 - 3-2. INSULATION RESISTANCE :
100 MEGAOHMS MIN. AT 250VDC.
 - 3-3. DIELECTRIC WITHSTANDING VOLTAGE :
100VAC MIN.
 - 3-4. LOW LEVEL CONTACT RESISTANCE :
INITIAL 40 mΩ MAX.
AFTER 50 mΩ MAX.
 - 3-5. Voltage Rating:20V MAX.
4. MECHANICAL CHARACTERISTICS :
 - 4-1. MATING FORCE: 5~20N.
 - 4-2. UNMATING FORCE: 8~20N(INITIAL),6~20N(AFTER 10000 CYCLES);
 - 4-3. DURABILITY : 10,000 MATING CYCLES.
 - 4-4. OPERATING TEMPERATURE :-40°C TO +85°C
 - 4-5. SALT SPRAY TEST:48H MIN.(NO OXIDATION OR RUST).

| PIN | SIGNAL NAME | MATING SEQUENCE | PIN | SIGNAL NAME | MATING SEQUENCE |
|-------|-------------|-----------------|-------|-------------|-----------------|
| A1 | GND | FIRST | B12 | GND | FIRST |
| A2 | SSTXp1 | SECOND | B11 | SSRXp1 | SECOND |
| A3 | SSTXn1 | SECOND | B10 | SSRXn1 | SECOND |
| A4 | Vbus | FIRST | B9 | Vbus | FIRST |
| A5 | CC1 | SECOND | B8 | SBU2 | SECOND |
| A6 | Dp1 | SECOND | B7 | Dn2 | SECOND |
| A7 | Dn1 | SECOND | B6 | Dp2 | SECOND |
| A8 | SBU1 | SECOND | B5 | CC2 | SECOND |
| A9 | Vbus | FIRST | B4 | Vbus | FIRST |
| A10 | SSRXn2 | SECOND | B3 | SSTXn2 | SECOND |
| A11 | SSRXp2 | SECOND | B2 | SSTXp2 | SECOND |
| A12 | GND | FIRST | B1 | GND | FIRST |
| SHELL | GND | | SHELL | GND | |

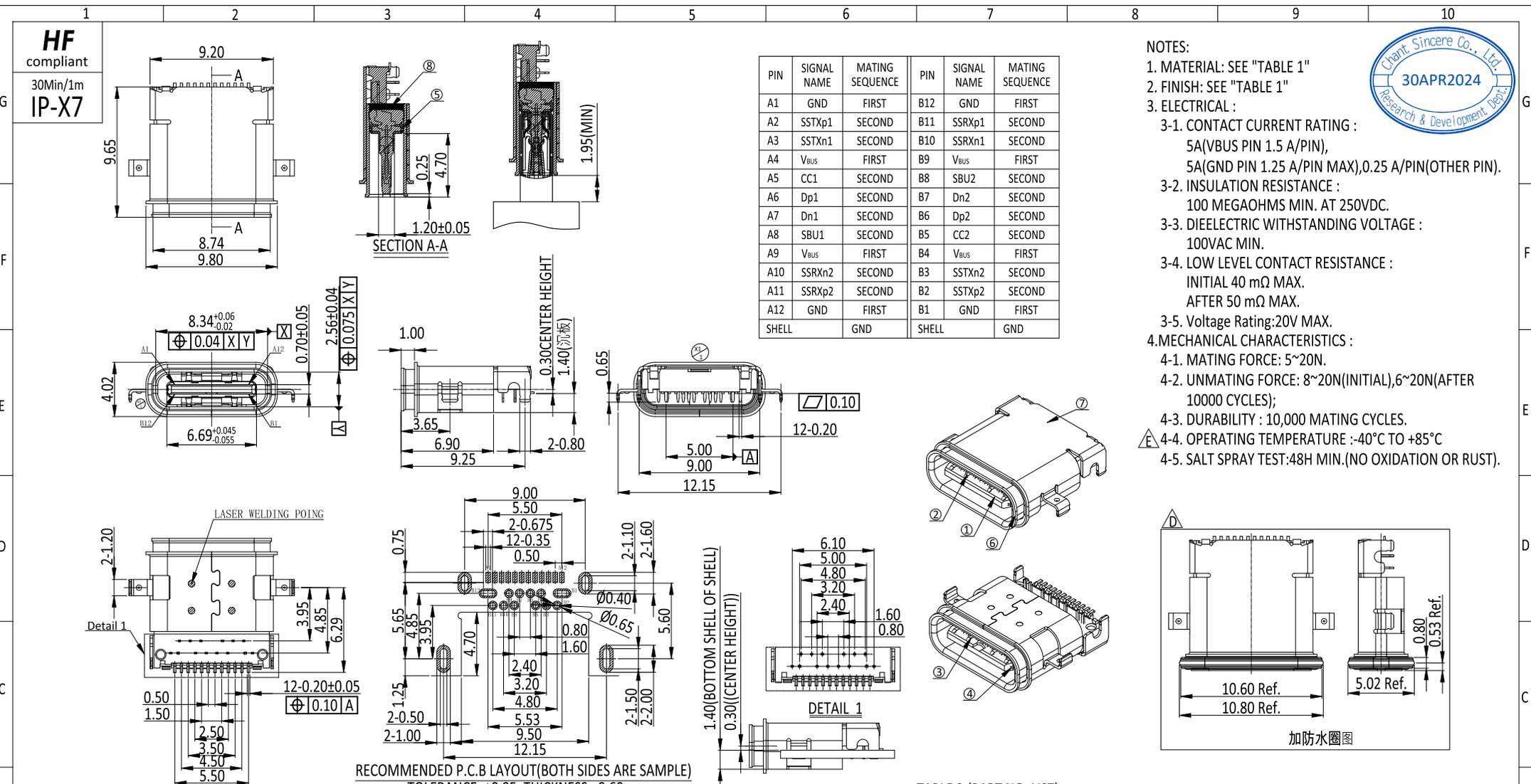


TABLE 1:

| ⑧ | GLUE WATER | EPOXY | BLACK; | 1 | |
|-----|------------|-----------------|-------------|-------------|-----|
| ⑦ | SHELL-2 | STAINLESS STEEL | NI PLATING; | T=0.20mm 1 | |
| ⑥ | SHELL-1 | STAINLESS STEEL | NI PLATING; | T=0.20mm 1 | |
| ⑤ | GND PLATE | STAINLESS STEEL | NI PLATING; | T=0.10mm 2 | |
| ④ | MID PLATE | STAINLESS STEEL | | T=0.15mm 1 | |
| ③ | TERMINAL-B | TABLE 2 | TABLE 2 | T=0.12mm 12 | |
| ② | TERMINAL-A | TABLE 2 | TABLE 2 | T=0.12mm 12 | |
| ① | HOUSING | HIGH TEMP | BLACK | 1 | |
| NO. | PART NAME | MATERIAL | DESCRIPTION | REMARK | QTY |

| E8 | E | ECN-2403102(IRINA)TEMPERATURE RANGE MODIFICATION | 28MAR2024 |
|------|----------|--|-----------|
| C9 | D | ECN-2304052(LITING)CHANGE SIZE Δ | 25APR2023 |
| | C | ECN-2203020(GINA)CHANGE OUTLINE | 08MAR2022 |
| ZONE | REVISION | DESCRIPTION | DATE |

TABLE 2:(PART NO. LIST):

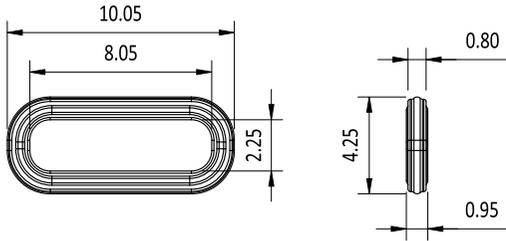
| ITEM | NEW P/N. | OLD P/N. | 端子材料 | CONTACT AREA | RING COLOUR |
|------|-------------|------------------|--------------|--------------|-------------|
| 1 | 53301010010 | 349AG24BCTA5N2C3 | COPPER ALLOY | 15u" Au | BLACK |

| | | | |
|--|-------------|--|--|
| UNLESS OTHERWISE SPECIFIED TOLERANCE: X.xxx ±0.10 ANGULAR: X.xx ±0.20 X.xx ±1° X.x ±0.30 X.x ±3° X. ±0.38 X. ±5° | | SIP Cmk Cpk | CHANT SINCERE CO., LTD TEL:+886-2-8647-1251 WWW.COXOC.COM.TW |
| SCALE: AS SHOWN | UNIT: mm | | |
| DRAWN: KEVIN_ZHENG | 02 Apr 2024 | TITLE: USB 3.1 CF WATERPROOF CL=0.30 沉板1.40mm DIP TYPE | |
| CHECKED: PEARL_HUNG | 30 Apr 2024 | PART NO. 53301010010 | C |
| APPROVED: PEARL_HUNG | 30 Apr 2024 | CODE: R07 | CUSTOMER: |

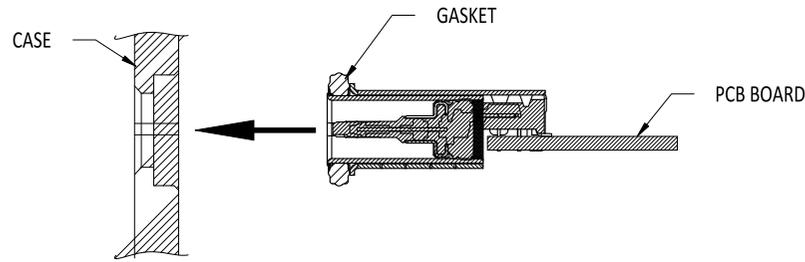
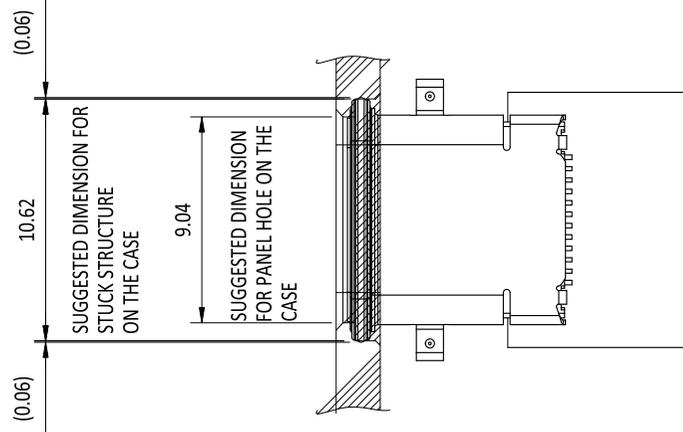


HF
compliant
30Min/1m
IP-X7

SUGGESTED ASSEMBLY FOR WATERPROOF FUNCTION



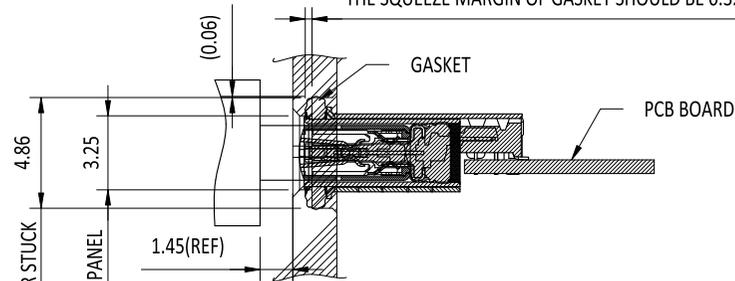
THE SPEC OF GASKET
(MATERIAL: RUBBER)



THE SIMULATION PICTURE
OF ASSEMBLY PROCESS



THE SQUEEZE MARGIN OF GASKET SHOULD BE 0.32~0.40MM ON BOTH X AND Y AXIS.



THE SIMULATION PICTURE OF ASSEMBLED AND MATED WITH MALE
CONNECTOR



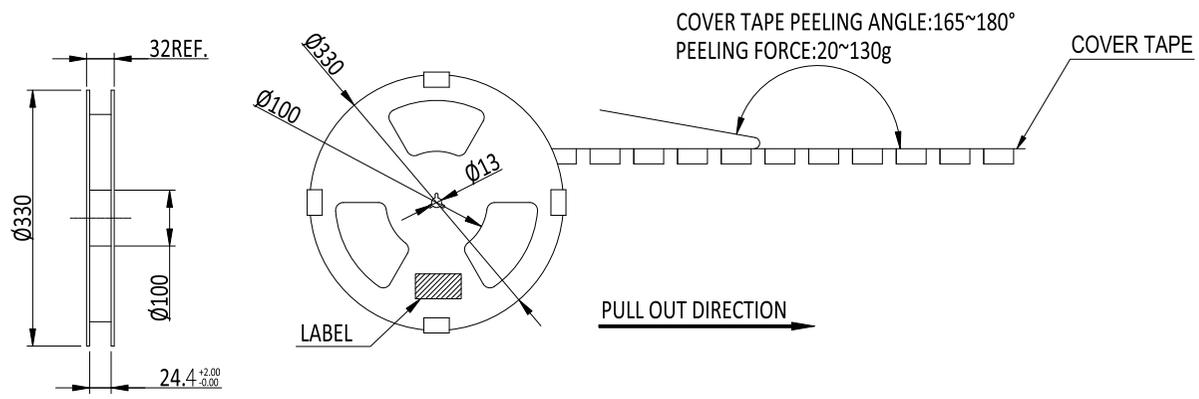
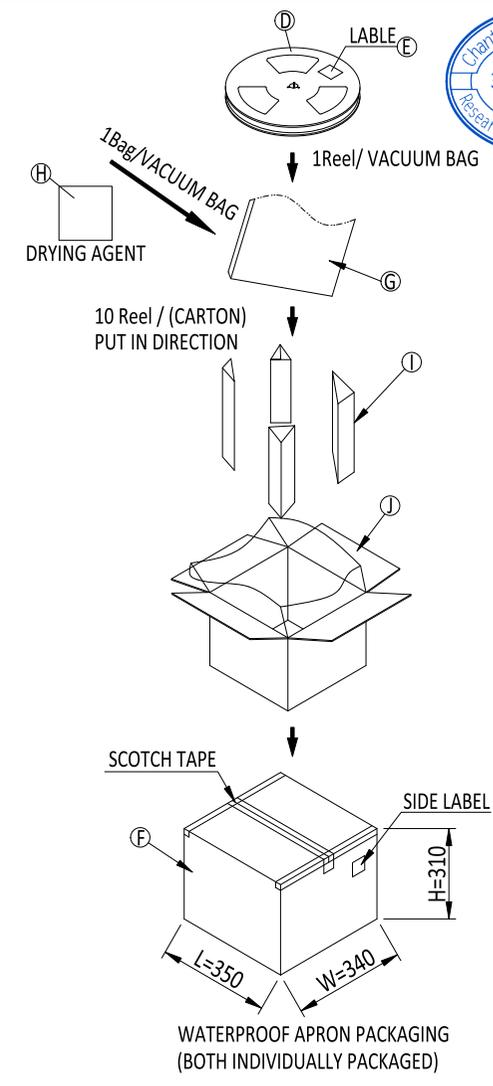
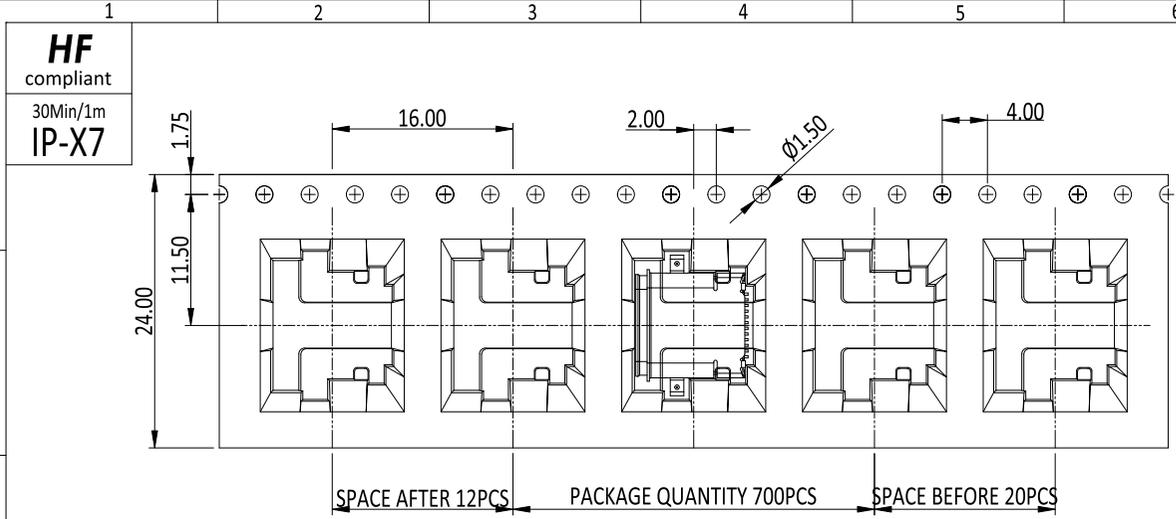
| | | |
|--------------------------------------|----------|----------|
| UNLESS OTHERWISE SPECIFIED TOLERANCE | | SIP |
| X.xxx ±0.10 | ANGULAR: | (ST) Cmk |
| X.xx ±0.20 | X.xx ±1° | Cpk |
| X.x ±0.30 | X.x ±3° | |
| X. ±0.38 | X. ±5° | |



SCALE: AS SHOWN UNIT: mm

| | | | | | | |
|------|----------|---------------------------------|-----------|----------------------|-------------|--|
| | E | ECN-2403102(IRINA)SEE DWG 1/3 | 28MAR2024 | DRAWN: KEVIN_ZHENG | 02 Apr 2024 | TITLE: USB 3.1 CF WATERPROOF CL=0.30 沉板1.40mm DIP TYPE |
| | D | ECN-2304052(LITING)SEE DWG 1/3 | 25APR2023 | CHECKED: PEARL_HUNG | 30 Apr 2024 | |
| | C | ECN-2203020(GINA)CHANGE OUTLINE | 08MAR2022 | APPROVED: PEARL_HUNG | 30 Apr 2024 | |
| ZONE | REVISION | DESCRIPTION | DATE | SIZE A4 | SHEET 2/3 | REV. E |

| | | |
|----------|-------------|-----------|
| PART NO. | 53301010010 | C |
| CODE: | R07 | CUSTOMER: |



| J | PE BAG | 630L*620W | 1 |
|----|-----------------------------|-----------------------|-----------|
| I | TRIANGLE CYLINDER CARDBOARD | | 4 |
| H | DRYING AGENT | | 10 |
| G | VACUUM BAG | 500L*450W | 10 |
| F | CATRON | 350L*340W*310H | 1 |
| E | LABLE | | 10 |
| D | REEL | | 10 |
| C | COVER TAPE | 21.3m/m (1R/300M) | 10 |
| B | CARRIER TAPE | 12511(L)*24(W)*0.4(T) | 10 |
| A | TYPE C | U501T24XX25ZL3/5 | 7000 |
| NO | DESRIPYION | SPEC | Q'TA(PCS) |

| | | |
|--|----------|----------------------|
| 7000 | 1 | 7000 |
| PCS/BAG | BAG/CASE | PCS/CASE |
| UNLESS OTHERWISE SPECIFIED TOLERANCE: X.xxx ±0.10 ANGULAR: X.xx ±1° X.xx ±0.20 X.x ±3° X.x ±0.30 X ±5° X ±0.38 | | SIP Cmk Cpk |
| SCALE: AS SHOWN | | UNIT: mm |
| DRAWN: KEVIN_ZHENG | | 02 Apr 2024 |
| CHECKED: PEARL_HUNG | | 30 Apr 2024 |
| APPROVED: PEARL_HUNG | | 30 Apr 2024 |
| TITLE: USB 3.1 CF WATERPROOF CL=0.30 沉板1.40mm DIP TYPE | | PART NO. 53301010010 |
| CODE: R07 | | CUSTOMER: |

| ECN-2403102(IRINA)SEE DWG 1/3 | 28MAR2024 | | |
|---------------------------------|-----------|-------------|------|
| ECN-2304052(LITING)SEE DWG 1/3 | 25APR2023 | | |
| ECN-2203020(GINA)CHANGE OUTLINE | 08MAR2022 | | |
| ZONE | REVISION | DESCRIPTION | DATE |