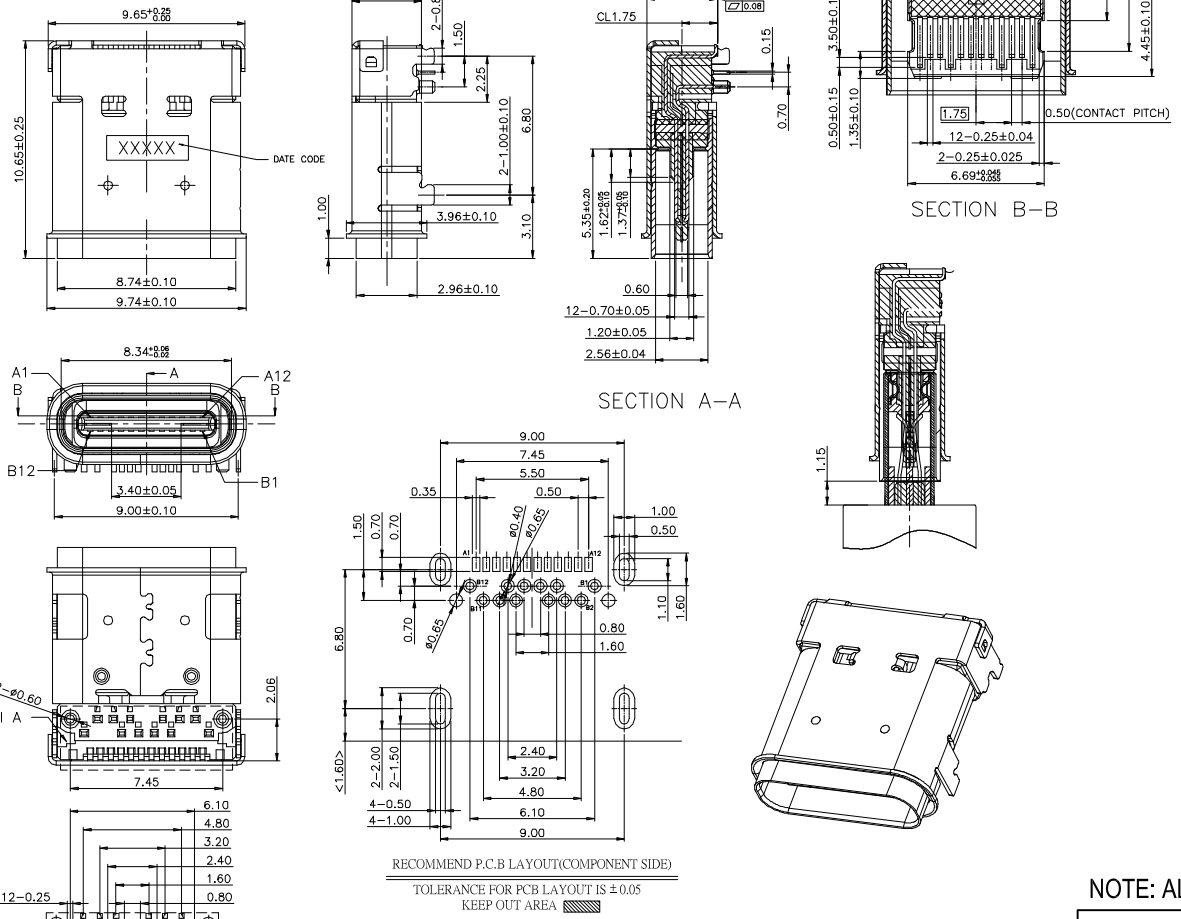
DWG. NO. CO-4994-F REV. "_"

PART NO. USBC3124IPX7NL



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

NOTE:
1.MATERIAL:
1.1 INSULATOR: HIGH TEMPERATURE PLASTIC UL 94 V-0;
1.2 CONTACT: COPPER ALLOY(T=0.15mm)
1.3 SHELL:STAINLESS STEEL(T=0.20mm)
2.ELECTRICAL CHARACTERISTICS;
2.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
2.2 CONTACT CURRENT RATING: 5A FOR COLLECTIVELY POWER SUPPLY PIN(PINA1,A4,A9,A12,B1,B4,B9,B12); 1.25A FOR V_{CONN} PIN; 0.25A FOR OTHER SIGNAL PIN.
2.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
2.4 INSULATION RESISTANCE 100MΩ Min
2.5 OPERATING TEMPERATURE: -40°C ~ 85°C
3 MECHANICAL CHARACTERISTICS:
3.1 MATING FORCE: 5~20 N.
3.2 UNMATED FORCE: 6~20N AFTER TEST
3.3 DURABILITY: 10,000 CYCLES
4.PLATING
4.1 TERMINAL CONTACT: (SEE TAB) GOLD PLATING ALL OVER 50u" Min NICKEL AND 80u"Min Tin ALL OVER 50u" Min NICKEL ON SOLDER AREA
4.2 OUT SHELL: 50u" Min. NICKEL ALL OVER
4.3 INNER SHELL: DEGREASE

NOTE: ALL DIMS ARE IN mm.

PROJECTION

RDI Research Develop Innovate

RDI, Inc. 333 North Bedford Road, Suite 135, Mount Kisco, NY 10549

SCALE UNDEFINED

TITLE: Type C USB 3.1 connector, waterproof, RoHS Compliant

TOLERANCE EXCEPT AS NOTED

DR. Tina | DATE 09/17/19 | REF. P/N: USBC3124IPX7NL | SHEET 1 OF 3

DEC. MILLIMETERS .X±0.10 .XX±0.25 .XXX±0.35

CK. BM | PRE- CO | DRAWING NO. 4994 | SIZE F | REV. _

ANG. .X±5.0° .XX±3.0° .XXX±2.0°

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ECN#	DATE	SYM	REVISION RECORD	AUTH	BY

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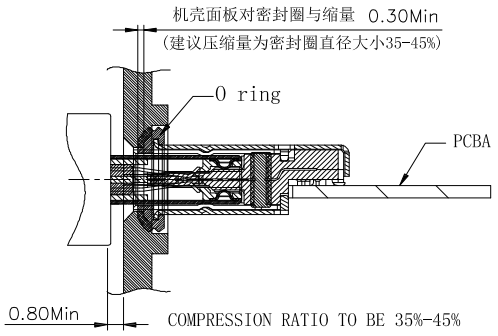

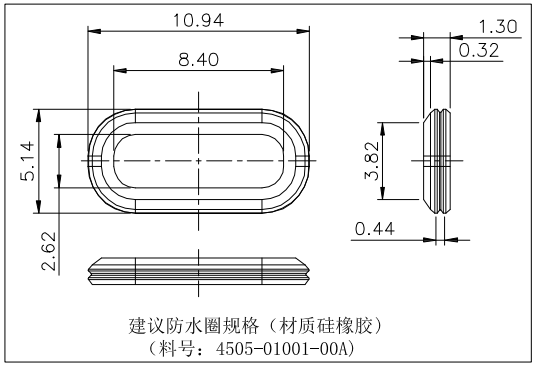

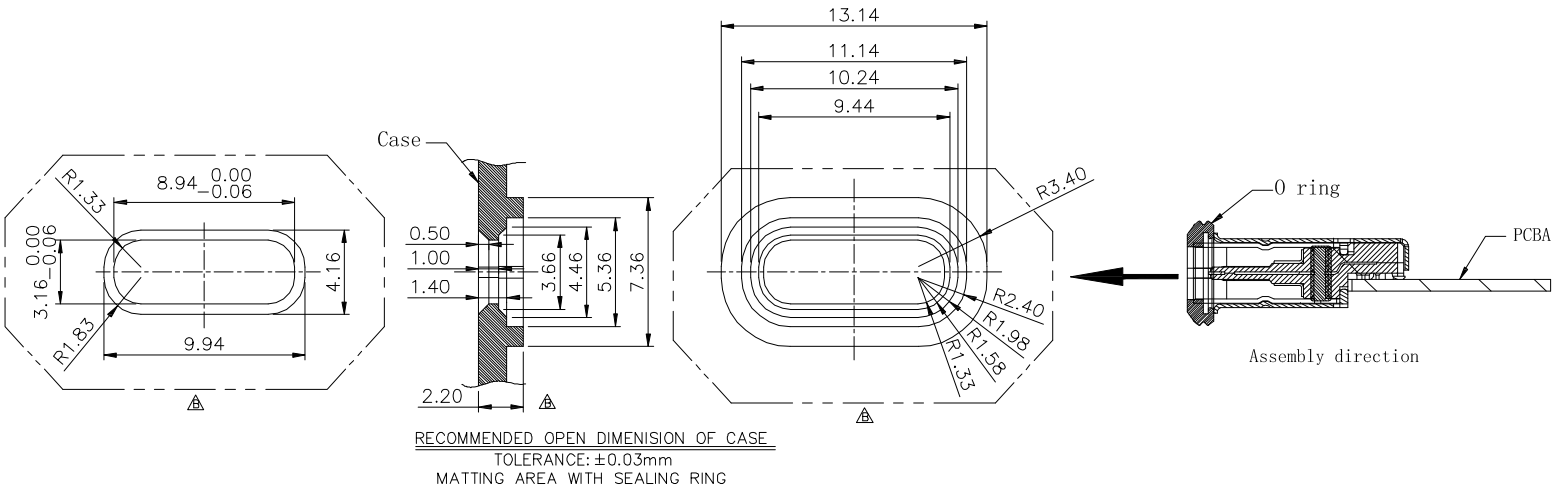

RECOMMENDED OPEN DIMENISION OF CASE
TOLERANCE: ±0.03mm
MATTING AREA WITH SEALING RING

NOTE: ALL DIMS ARE IN mm.

PROJECTION	RDI Research Develop Innovate RDI, Inc. 333 North Bedford Road, Suite 135, Mount Kisco, NY 10549			
SCALE UNDEFINED	TITLE: Type C USB 3.1 connector, waterproof, RoHS Compliant			
TOLERANCE EXCEPT AS NOTED	DR. Tina	DATE 09/17/19	REF. P/N: USBC3124IPX7NL	SHEET 2 OF 3
DEC. MILLIMETERS .X±0.10 .XX±0.25 .XXX±0.35	CK. BM	PRE- CO	DRAWING NO. 4994 / SIZE F	REV. -
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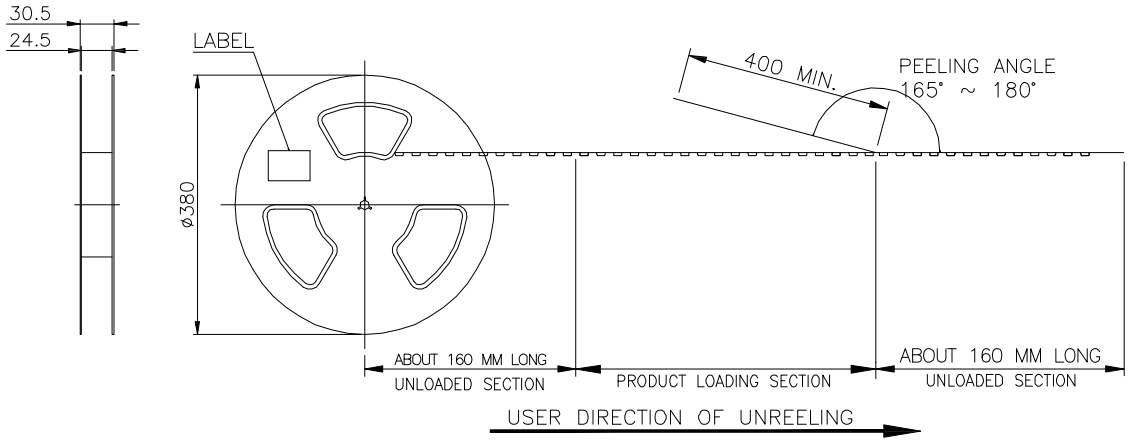

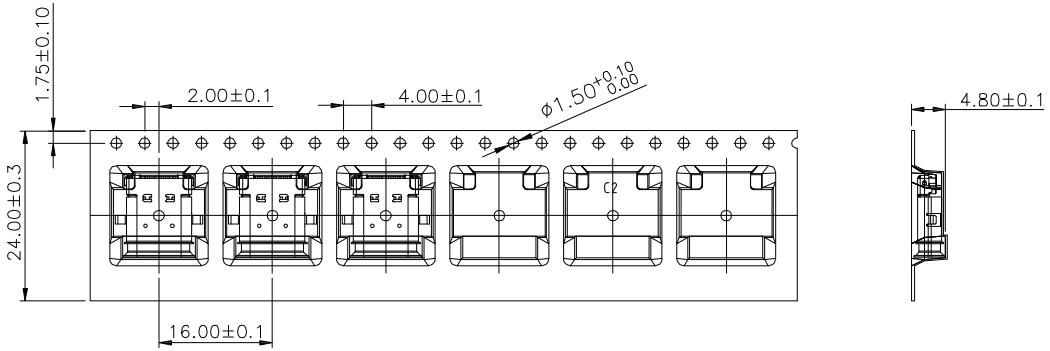

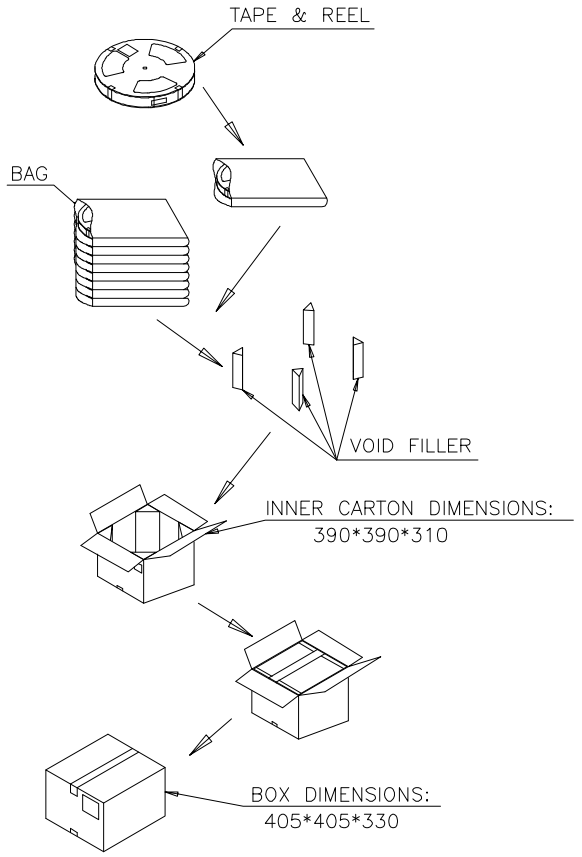

1000	10	10000 PCS	-- KG	-- KG
PCS/ REEL	REELS/ CARTON	QUANTITY	GROSS WEIGHT	NET WEIGHT

NOTE:

1.MATERIAL:
BOX: FIBREBOARD, CORRUGATED, DOUBLE WALL.
TAPE: POLYSTYRENES, HEAT-RESISTANT TEMPERTURE: 120°C, BLACK COLOR.
REEL: POLYSTYRENES, HEAT-RESISTANT TEMPERTURE: 70°C, BLUE COLOR.
BAG: POLYETHYLENE, HEAT-RESISTANT TEMPERTURE: 100°C.

2.PEELING STRENGTH: 0.1 ~ 1.3 N (10 ~ 130 GRAMS)

3.PEELING SPEED: 300 mm/min.

4.EACH BAG SHALL BE INCLUDED DESICCANT.

NOTE: ALL DIMS ARE IN mm.

PROJECTION	RDI Research Develop Innovate RDI, Inc. 333 North Bedford Road, Suite 135, Mount Kisco, NY 10549			
SCALE UNDEFINED	TITLE: Type C USB 3.1 connector, waterproof, RoHS Compliant			
TOLERANCE EXCEPT AS NOTED	DR. Tina	DATE 09/17/19	REF. P/N: USBC3124IPX7NL	SHEET 3 OF 3
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