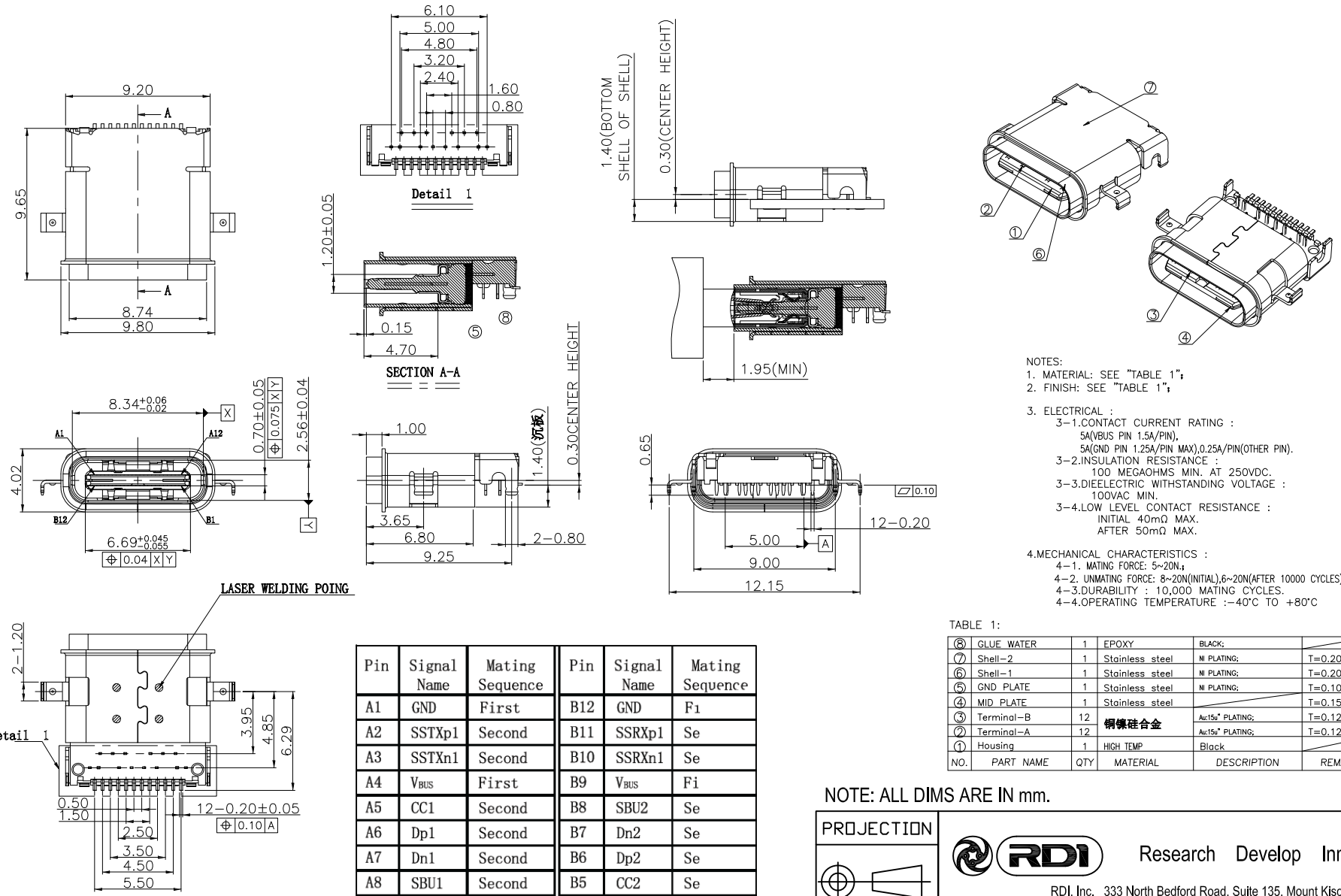
DWG. NO. CD-4993-F REV. "_"

PART NO. USBC3124MIPX8NL



NOTES:
1. MATERIAL: SEE "TABLE 1";
2. FINISH: SEE "TABLE 1";

3. ELECTRICAL :
   3-1.CONTACT CURRENT RATING :
   5A(VBUS PIN 1.5A/PIN),
   5A(GND PIN 1.25A/PIN MAX),0.25A/PIN(OTHER PIN).
   3-2.INSULATION RESISTANCE :
   100 MEGAOHMS MIN. AT 250VDC.
   3-3.DIEELECTRIC WITHSTANDING VOLTAGE :
   100VAC MIN.
   3-4.LOW LEVEL CONTACT RESISTANCE :
   INITIAL 40mΩ MAX.
   AFTER 50mΩ 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 +80°C

TABLE 1:

NO.	PART NAME	QTY	MATERIAL	DESCRIPTION	REMARK
⑧	GLUE WATER	1	EPOXY	BLACK;	
⑦	Shell-2	1	Stainless steel	NI PLATING;	T=0.20mm
⑥	Shell-1	1	Stainless steel	NI PLATING;	T=0.20mm
⑤	GND PLATE	1	Stainless steel	NI PLATING;	T=0.10mm
④	MID PLATE	1	Stainless steel		T=0.15mm
③	Terminal-B	12	铜镍硅合金	Au:15u" PLATING;	T=0.12mm
②	Terminal-A	12		Au:15u" PLATING;	T=0.12mm
①	Housing	1	HIGH TEMP	Black	

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	Fi
A2	SSTXp1	Second	B11	SSRXp1	Se
A3	SSTXn1	Second	B10	SSRXn1	Se
A4	V_{BUS}	First	B9	V_{BUS}	Fi
A5	CC1	Second	B8	SBU2	Se
A6	Dp1	Second	B7	Dn2	Se
A7	Dn1	Second	B6	Dp2	Se
A8	SBU1	Second	B5	CC2	Se
A9	V_{BUS}	First	B4	V_{BUS}	Fi
A10	SSRXn2	Second	B3	SSTXn2	Se
A11	SSRXp2	Second	B2	SSTXp2	Se
A12	GND	First	B1	GND	Fi
SHELL		GND	SHELL		GN

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, mid-level pcb mount, waterproof, RoHS Compliant

TOLERANCE EXCEPT AS NOTED

DR. Tina | DATE 09/17/19 | REF. P/N: USBC3124MIPX8NL | SHEET 1 OF 2

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

CK. BM | PRE- CD | DRAWING NO. 4993 | SIZE F | REV. -

ANG. .X±5.0° .XX±3.0° .XXX±2.0°

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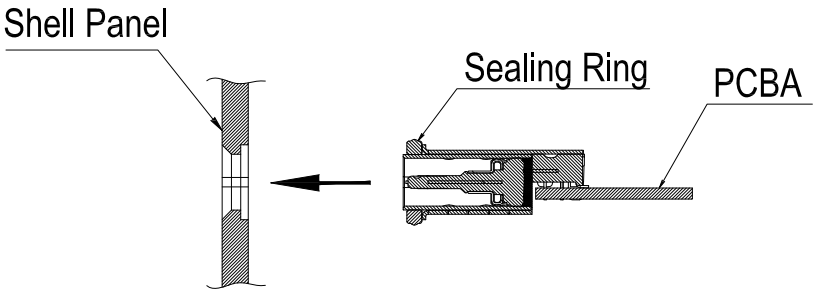
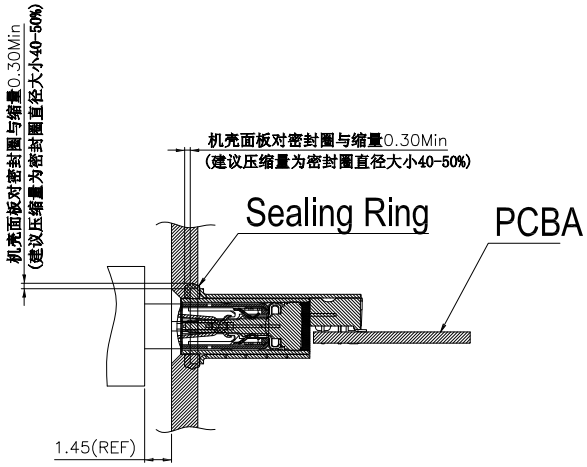
DWG. NO. CD-4993-F REV. "_"

PART NO. USBC3124MIPX8NL

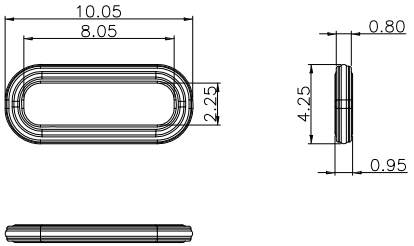
Recommended sealing mode :



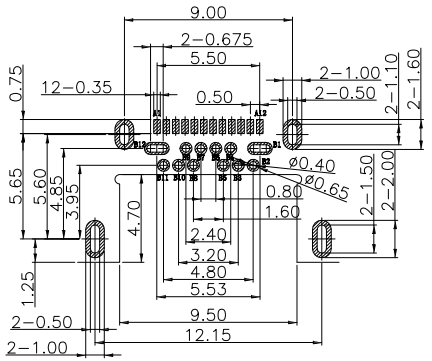
Front and rear assembly mode



INSERT SCHEMATIC DIAGRAM



Specification of waterproof ring
(Material: silicone rubber)



RECOMMENDED P.C.B LAYOUT(Both sides are sample)
Tolerance:±0.05,Thickness=0.60mm

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, mid-level pcb mount, waterproof, RoHS Compliant				
TOLERANCE EXCEPT AS NOTED	DR. Tina	DATE 09/17/19	REF. P/N: USBC3124MIPX8NL		SHEET 2 OF 2
DEC. MILLIMETERS .X±0.10 .XX±0.25 .XXX±0.35	CK. BM	PRE- CD	DRAWING NO. 4993	SIZE F	REV. -
ANG. .X±5.0° .XX±3.0° .XXX±2.0°	THIS DOCUMENT IS OWNED BY, AND THE INFORMATION CONTAINED IN IT IS PROPRIETARY TO, RDI, BY RECEIPT HEREOF THE HOLDER AGREES NOT TO USE THE INFORMATION AND NOT TO DISCLOSE IT TO ANY THIRD PARTY, NOR REPRODUCE THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF RDI, AND AGREES TO RETURN THIS DOCUMENT FORTHWITH UPON REQUEST.				

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