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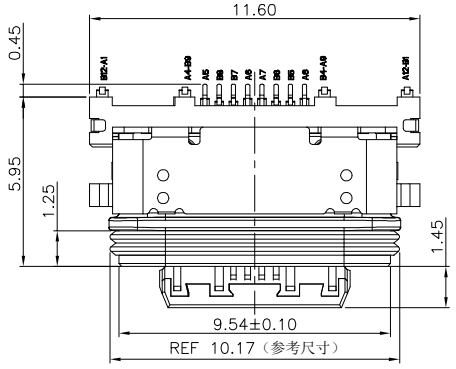
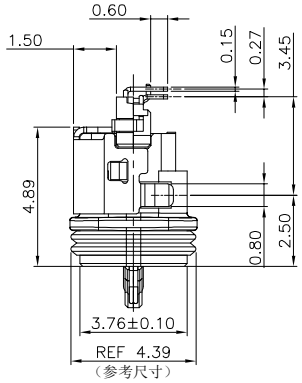
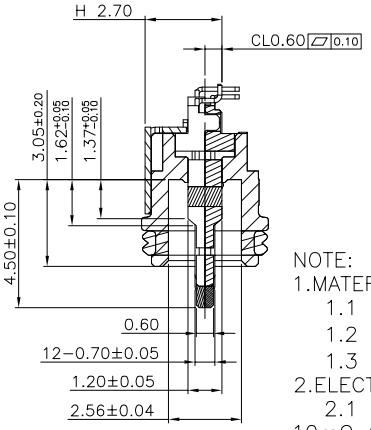
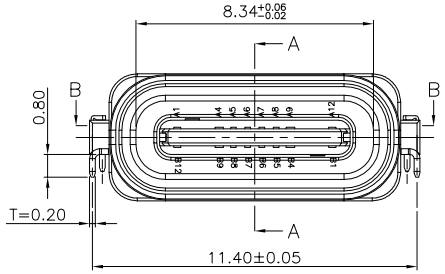
RoHS Compliant 2013/95/EC HSF

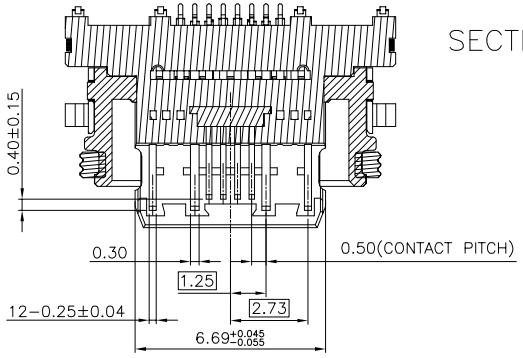




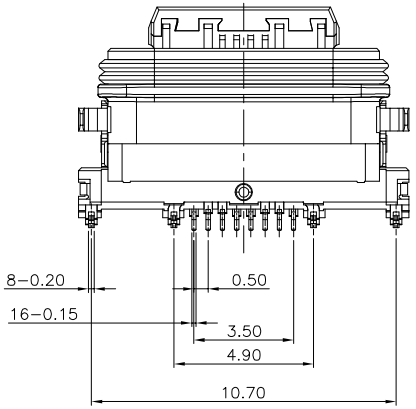


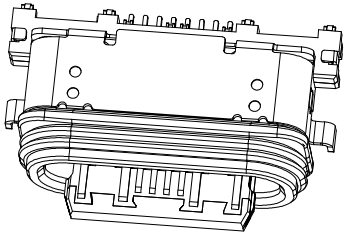
SECTION A-A





SECTION B-B





Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A4	V_{BUS}	First	B9	V_{BUS}	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	V_{BUS}	First	B4	V_{BUS}	First
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 INSERTION FORCE: 5~20 N.
3.2 EXTRACTION FORCE: 8~20N AFTER TEST
3.3 DURABILITY: 10,000 CYCLES
3.4 THE EXTRACTION FORCE SHALL BE WITHIN THE RANGE OF 6N~20N AFTER 10000.
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: 50u" Min. NICKEL ALL OVER
5.PART NUMBER:
1186-21X02-24A
1: G/F 2: 5u" 3: 10u" 4: 15u" 5: 30u"

REV.	DESCRIPTION	ECN NO.	DWN.	CHK.	APVD.	DATE
A	NEW DARWING	ECN NO.	Rain	Chain	DC	2022.09.05

TOLERANCES UNLESS OTHERWISE SPECIFIED
UNIT (MM)
X. ±0.50
X.X ±0.30
X.XX ±0.20
X.XXX ±0.10
ANGEL ±2°
3RD.ANGLE'S

PowerCenter 力源科技力郡电子
力源科技（香港）有限公司
力郡电子科技有限公司
POWERCENTER TECHNOLOGY LIMITED

ORIGINAL DATA 2022.09.05
DWN. Rain
CHK. FCC
APVD. FCC

TITLE
USB CF 2.0 WATERPROOF
CL0.60 SMT TYPE FOR IPX8 WOL

PART NO. 1186-21X02-24A
SCALE 1:1
SIZE A4
DWG NO. 1186-21102-24A
SHEET 1/3
REV. A

8 7 6 5 4 3 2 1

C-Customer(Ass'y)

PC-4-E-02A

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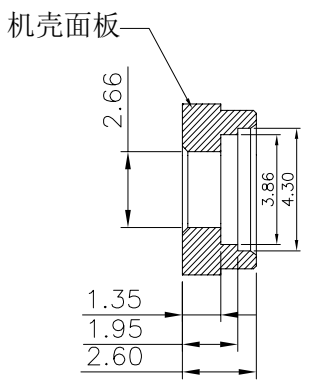
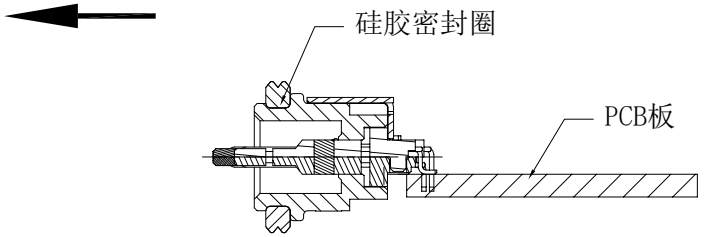
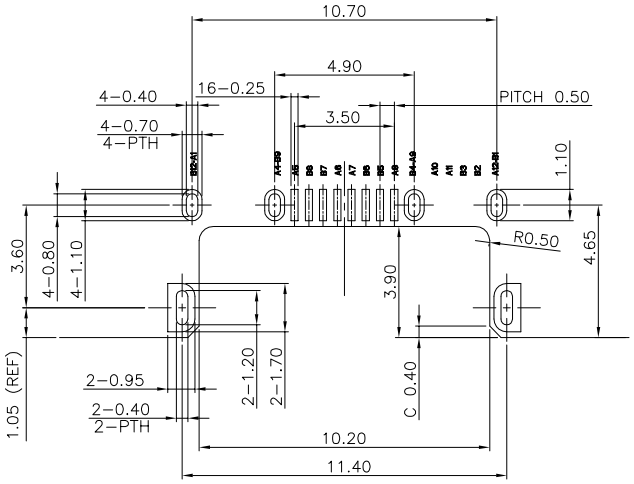


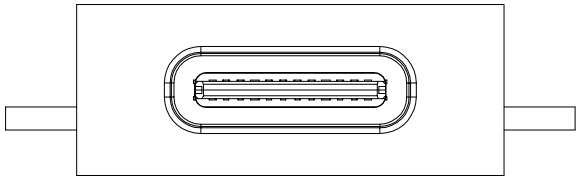


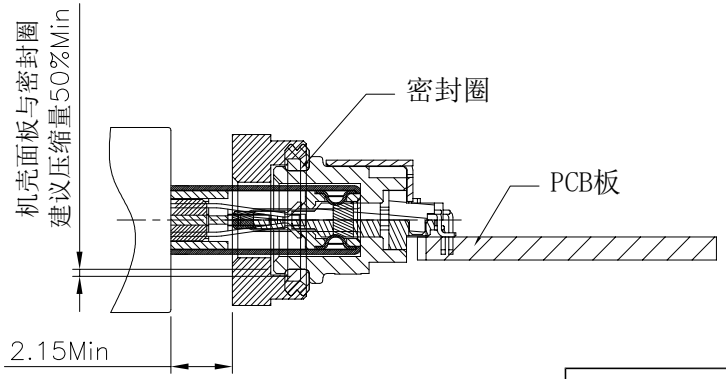
组装方式，左右方向装配



RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS ± 0.05





组装面板后公母头对插示意图

REV.	DESCRIPTION	ECN NO.	DWN.	CHK.	APVD.	DATE
A	NEW DARWING	ECN NO.	Leiny	Chain	DC	2022.09.05

TOLERANCES UNLESS OTHERWISE SPECIFIED

UNIT	(MM)
X.	±0.50
X.X	±0.30
X.XX	±0.20
X.XXX	±0.10
ANGEL	±2°

3RD.ANGLE'S

PowerCenter 力源科技力郡电子

力源科技（香港）有限公司
力郡电子科技有限公司
POWERCENTER TECHNOLOGY LIMITED

ORIGINAL DATA	2022.09.05
DWN.	Rain
CHK.	FCC
APVD.	FCC

TITLE: USB CF 2.0 WATERPROOF CL0.60 SMT TYPE FOR IPX8 WOL

PART NO.	SCALE	SIZE
1186-21X02-24A	1:1	A4
DWG NO. 1186-21102-24A	SHEET 2/3	REV. A

8 7 6 5 4 3 2 1

C-Customer(Ass'y)

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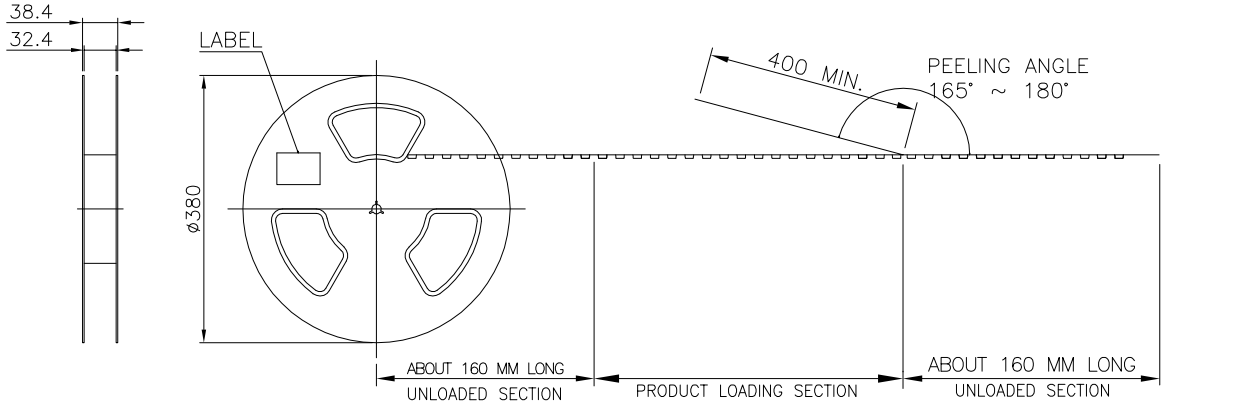

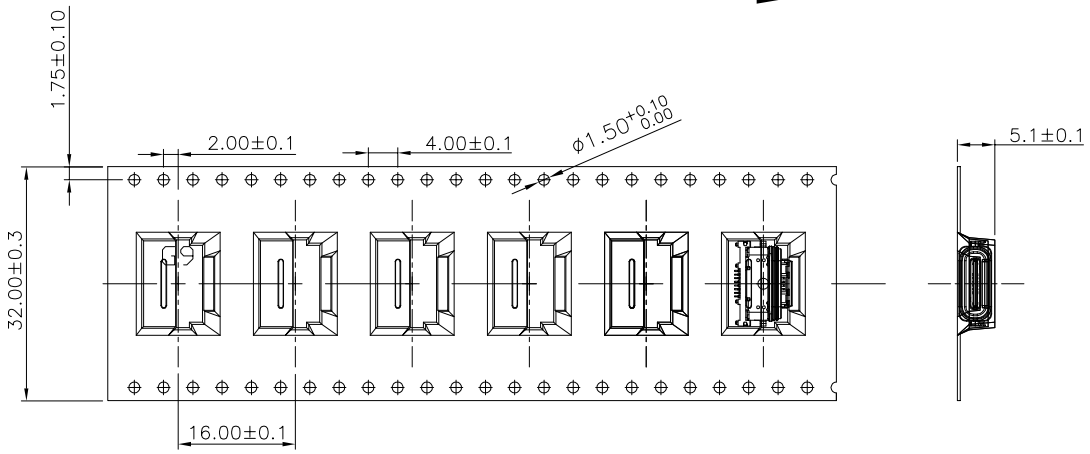

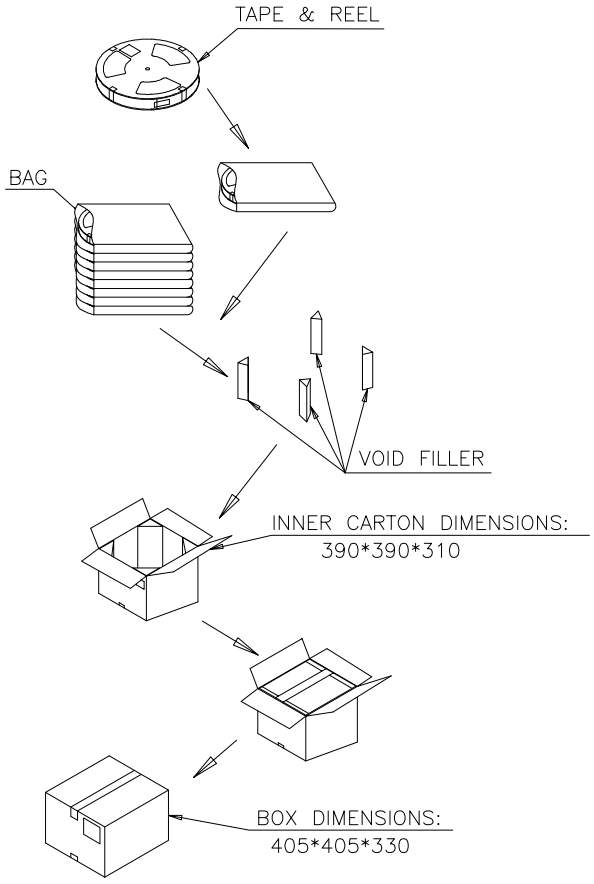

NOTE:

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.

1000	8	8000 PCS	-- KG	-- KG
PCS/ REEL	REELS/ CARTON	QUANTITY	GROSS WEIGHT	NET WEIGHT

REV.	DESCRIPTION	ECN NO.	DWN.	CHK.	APVD.	DATE
A	NEW DARWING	ECN NO.	Rain	Chain	DC	2022.09.05

TOLERANCES UNLESS OTHERWISE SPECIFIED

UNIT	(MM)
X.	±0.20
X.X	±0.15
X.XX	±0.10
X.XXX	±0.05
ANGEL	±1°

3RD.ANGLE'S

PowerCenter 力源科技（香港）有限公司
力源科技力郡电子 力郡电子科技有限公司
POWERCENTER TECHNOLOGY LIMITED

ORIGINAL DATA	2022.09.05
DWN.	Rain
CHK.	FCC
APVD.	FCC

TITLE: USB CF 2.0 WATERPROOF CL0.60 SMT TYPE FOR IPX8 WOL

PART NO.	SCALE	SIZE
1186-21X02-24A	1:1	A3
DWG NO. 1186-21102-24A	SHEET 3/3	REV. A

8 7 6 5 4 3 2 1

C-Customer(Ass'y)

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