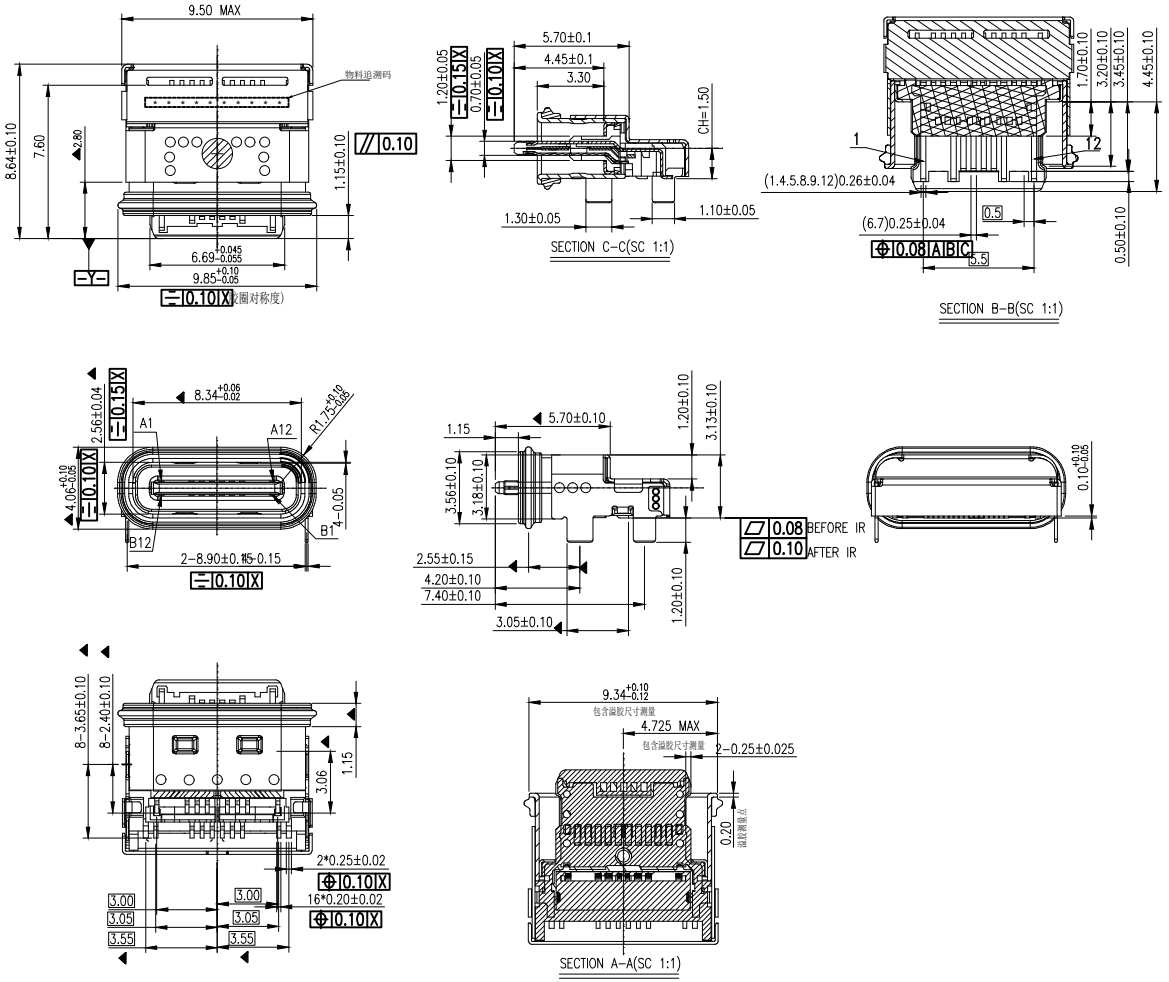


IP-68

1. ELECTRICAL CHARACTERISTICS:
1.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
1.2 CONTACT CURRENT RATING: 6A FOR COLLECTIVELY POWER SUPPLY PIN(PIN1,A4, A9, A12, B1, B4, B9, B12) ; 1.25A FOR VCONN PIN; 0.25A FOR OTHER SIGNAL PIN.
1.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
1.4 INSULATION RESISTANCE 100MΩ Min
1.5 OPERATING TEMPERATURE: -40° C ~ 85° C
2 MECHANICAL CHARACTERISTICS:
2.1 MATING FORCE: 5~20 N.
2.2 UNMATED FORCE: 8~20N INITIAL TEST; 6~20N DURABILITY AFTER TEST
2.3 DURABILITY: 10,000 CYCLES

USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use(SBU)	B5	CC2	Configuraation Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A12	GND	Ground return	B1	GND	Ground return

MARK	DESCRIPTION	DATE	REVISED	APPROVED
△X				
△X				
△X				

REVISIONS

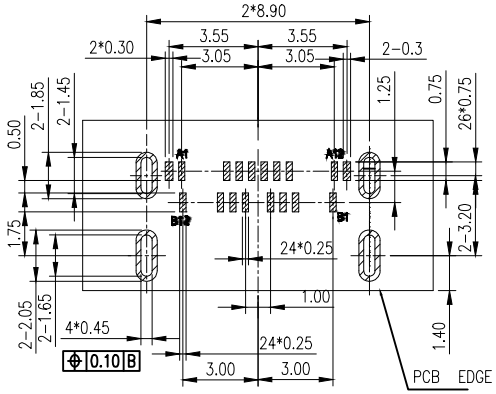
UNSPECIFIED TOLERANCES	
ANGLAR	±5°
L≤ 4	±0.2
4<L≤ 16	±0.3
16<L≤ 63	±0.4
L> 63	±0.5

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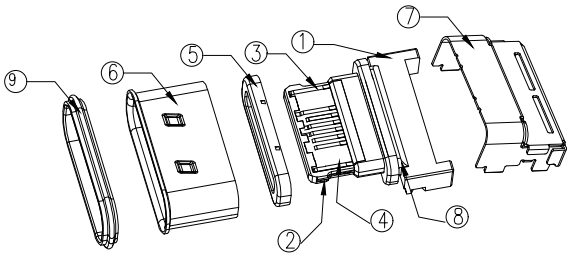
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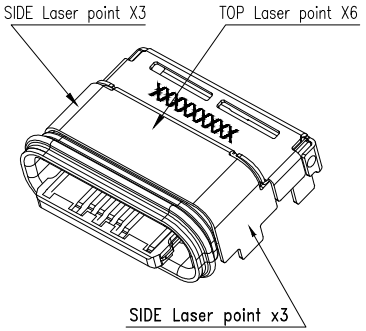
DSND		SCALE: N/A	TYPE C/F 16PIN 防水IP68板 上双贴 DIP脚长1.2mm
DWN		VIEW:	PART NO.: 82216-296
CHKD		UNIT: mm/in	DWG NO.:
APPD		SIZE: A4	

WEIGHT	SHEET	REVISION
	1/1	A0

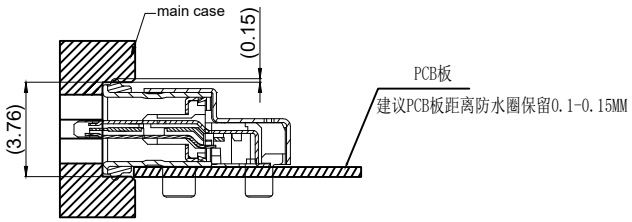


RECOMMENDED PCB LAYOUT
(Tolerance=±0.05)







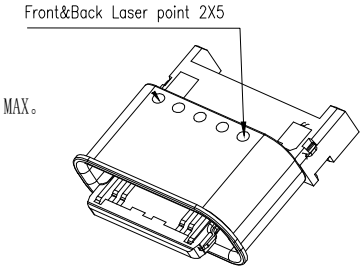


SECTION A-A

PANEL CUT-OUT REFERENCE

说明:

1. Colplanarity: 0。08最大红外线前。, 0。10mm MAX
2. 舌PIN的位置:IR前 : 0.08mm MAX; IR 后0.12mm MAX;
3. P/N:
4. 包装方式 : 载带包装
5. 接触区和焊接区无毛刺，除特说明，冲压毛刺为0.05mm MAX。
6. 未标注尺寸公差为依自由公差为准。
7. 成品端子平面度必须100%检测。
8. 成品可靠性测试要求参照规格书。
9. 产品满足 ROHS 2.0



9	密封圈	1PCS	硅胶,依照客户需求	
8	胶水	1PCS	环氧胶 黑色	
7	外壳	1PCS	SUS304 , T=0.15.镀镍50u" MIN.	
6	内拉伸壳	1PCS	SUS304 , T=0.20.	
5	EMI拉伸壳	1PCS	SUS304 , T=0.12.镀镍50u" MIN.	
4	上排端子	1SET	C18400, T=0.12.底层镀镍 50-100u",功能接触区单面刷镀 Au 15u",焊接区双面镀金 G/F.	
3	下排端子	1SET		
2	中板	1PCS	SUS301-1/4 H，镀镍50u" MIN.	
1	塑胶	1PCS	PA46 BLACK	
项目	组成部件	用量	材质/处理	备注

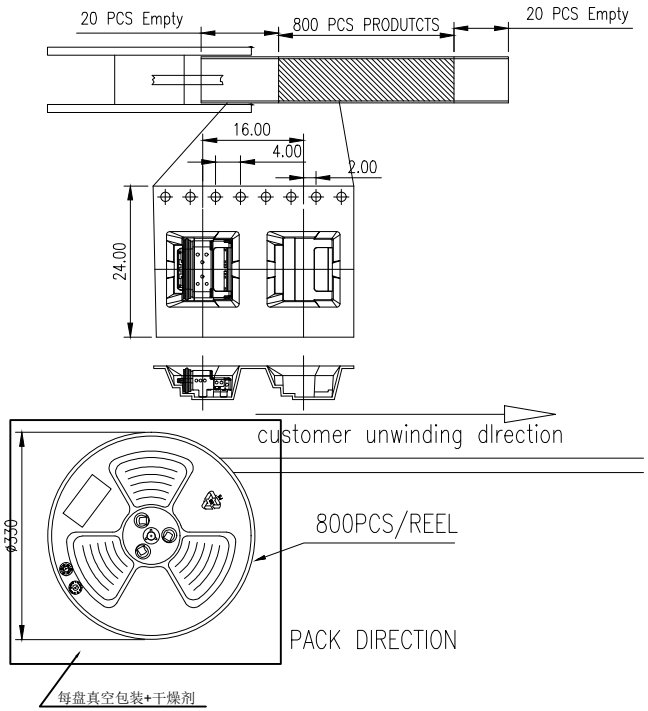
					ANGLAR	±5°
△X					L≤ 4	±0.2
△X					4<L≤ 16	±0.3
△X					16<L≤ 63	±0.4
MARK	DESCRIPTION	DATE	REVISED	APPROVED	L> 63	±0.5
REVISIONS					UNSPECIFIED TOLERANCES	

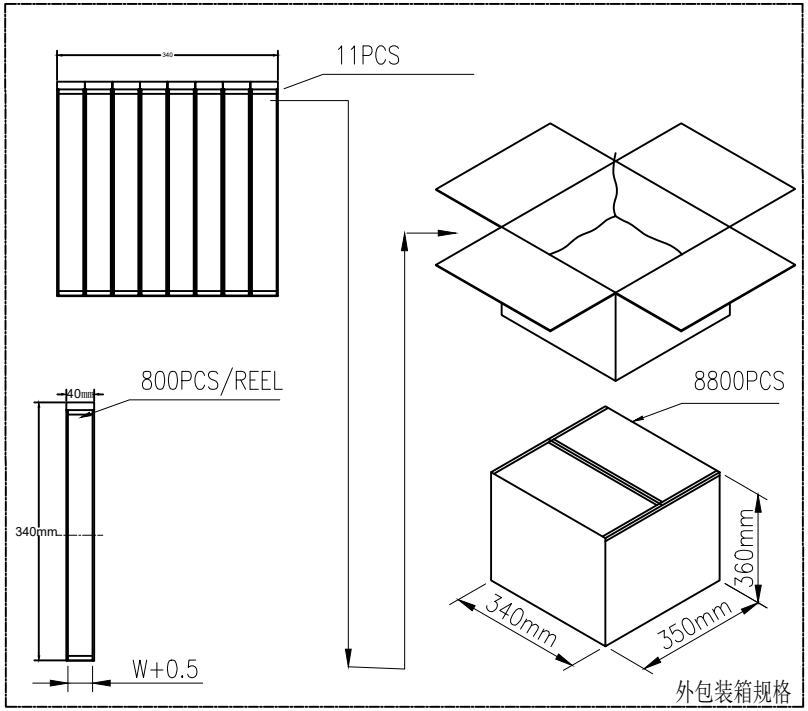
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DSND		SCALE: N/A	TYPE C/F 16PIN 防水IP68板上双贴 DIP脚长1.2mm
DWN		VIEW:	PART NO.: 82216-296
CHKD		UNIT: mm/in	DWG NO.:
APPD		SIZE: A4	

WEIGHT	SHEET	REVISION
	1/1	A0





					ANGLAR	±5°
△X					L≤ 4	±0.2
△X					4<L≤ 16	±0.3
△X					16<L≤ 63	±0.4
MARK	DESCRIPTION	DATE	REVISED	APPROVED	L> 63	±0.5
REVISIONS					UNSPECIFIED TOLERANCES	

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DSND		SCALE: N/A	TYPE C/F 16PIN 防水IP68 板上双贴 DIP脚长1.2mm
DWN		VIEW:	PART NO.: 82216-296
CHKD		UNIT: mm/in	DWG NO.:
APPD		SIZE: A4	

WEIGHT	SHEET	REVISION
	1/1	A0