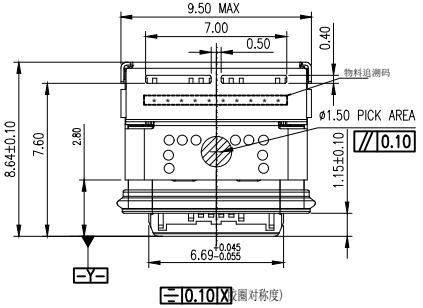
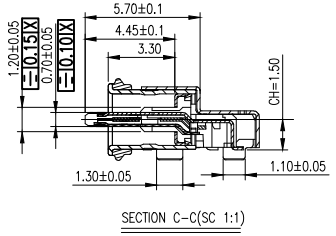
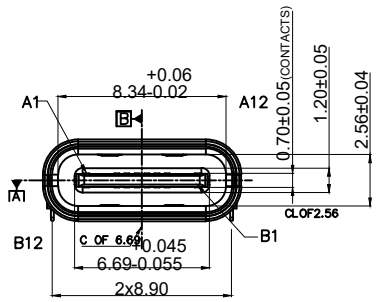
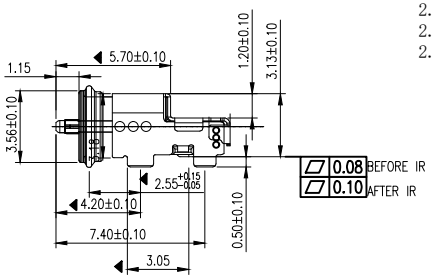


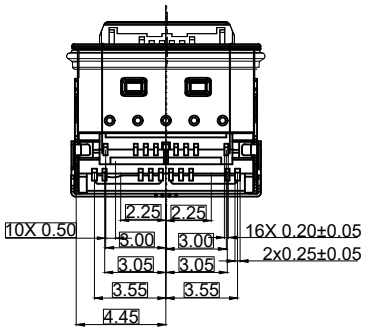


SECTION C-C(SC 1:1)

1. ELECTRICAL CHARACTERISTICS;
   1.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
   1.2 CONTACT CURRENT RATING: 5A FOR COLLECTIVELY POWER SUPPLY PIN(PINA1, A4, A9, A12, B1, B4, B9, B12); 1.25A FOR VCONN PIN; 0.25A FOR OTHER SIGNAL PIN.
   1.3 DIELECTRIC WITHSTANDING VOLTAGE: 300V 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







Pin No	Signal Name	Mating Sequence	Pin No	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A4	VBUS	First	B9	VBUS	First
A5	CC1	Second	B8	SBU2	Second
A6	D+	Second	B7	D-	Second
A7	D-	Second	B6	D+	Second
A8	SBU1	Second	B5	CC2	Second
A9	VBUS	First	B4	VBUS	First
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND

IP-X8

MARK	DESCRIPTION	DATE	REVISED	APPROVED
△X				
△X				
△X				

REVISIONS

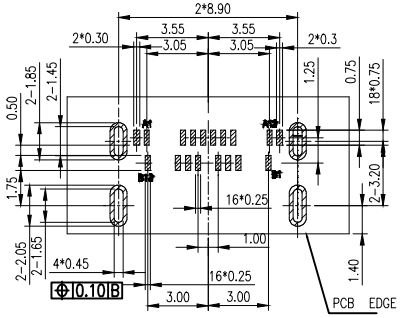
UNSPECIFIED TOLERANCES	
ANGLAR	±1°
L≤ 4	±0.2
4<L≤ 16	±0.3
16<L≤ 63	±0.4
L> 63	±0.5

www.hiemi.cn

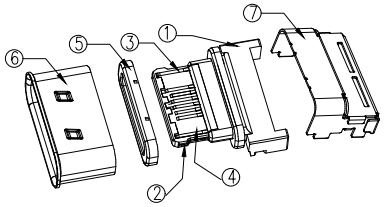
HIEMI TECHNOLOGY CO., LTD

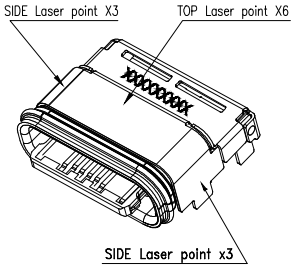
DSND		SCALE: N/A	TYPE C/F 16PIN 板上双贴 SMT 防水 IPX8
DWN		VIEW:	PART NO.: 82216-292
CHKD		UNIT: mm/in	DWG NO.:
APPD		SIZE: A4	

WEIGHT	SHEET	REVISION
	1/1	A0

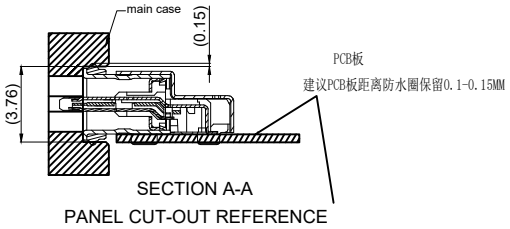


RECOMMENDED PCB LAYOUT
(Tolerance=±0.05)

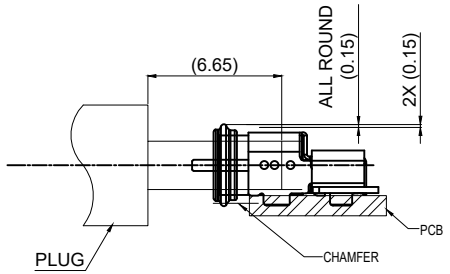


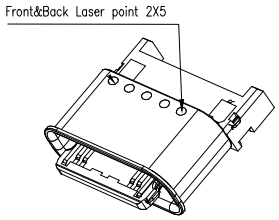






SECTION A-A
PANEL CUT-OUT REFERENCE





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

项目	组成部件	用量	材质/处理	备注
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	

MARK	DESCRIPTION	DATE	REVISED	APPROVED
△X				
△X				
△X				

REVISIONS

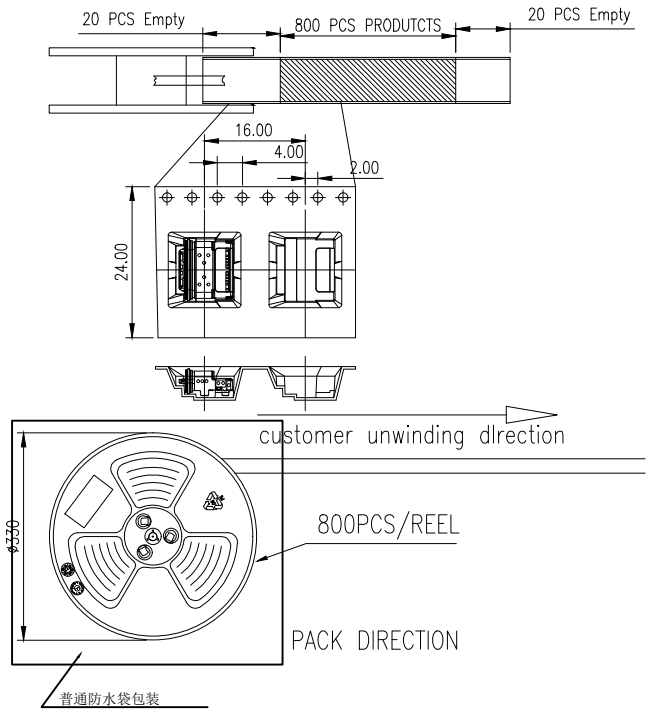
UNSPECIFIED TOLERANCES	
ANGLAR	±5°
L≤ 4	±0.2
4<L≤ 16	±0.3
16<L≤ 63	±0.4
L> 63	±0.5

www.hiemi.cn

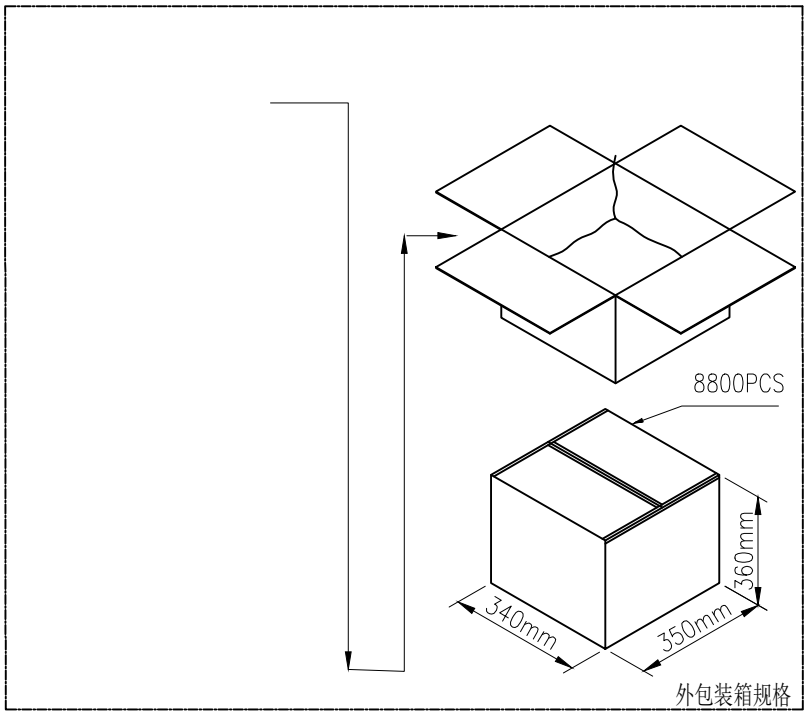
HIEMI TECHNOLOGY CO., LTD

DSND		SCALE: N/A	TYPE C/F 16PIN 板上双贴 SMT 防水IPX8
DWN		VIEW:	PART NO.: 82216-292
CHKD		UNIT: mm/in	DWG NO.:
APPD		SIZE: A4	

WEIGHT	SHEET	REVISION
	1/1	A0







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

www.hiemi.cn

HIEMI TECHNOLOGY CO., LTD

DSND		SCALE: N/A	TYPE C/F 16PIN 板上双贴 SMT 防水IPX8
DWN		VIEW:	PART NO.: 82216-292
CHKD		UNIT: mm/in	DWG NO.:
APPD		SIZE: A4	

WEIGHT	SHEET	REVISION
	1/1	A0