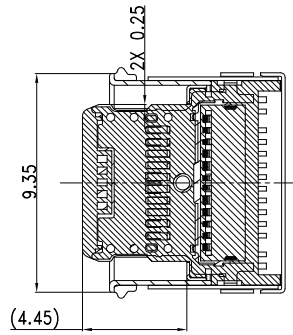
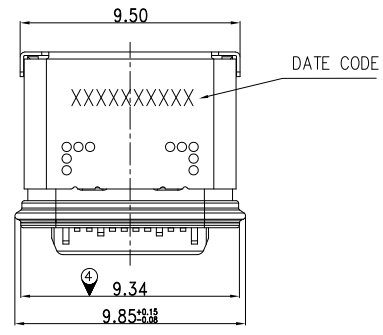


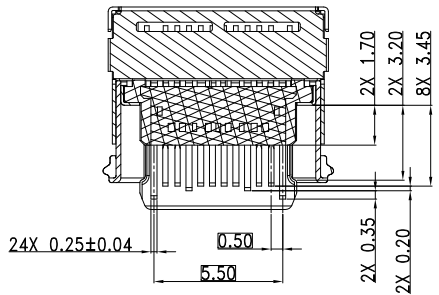
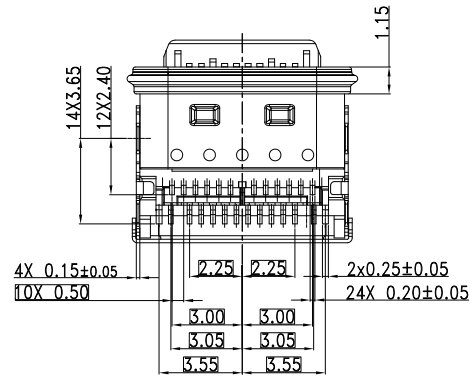
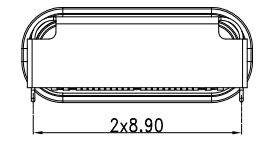
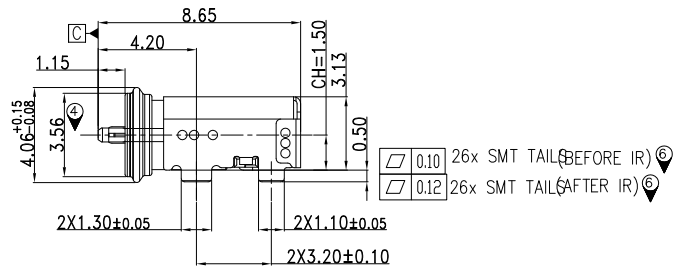
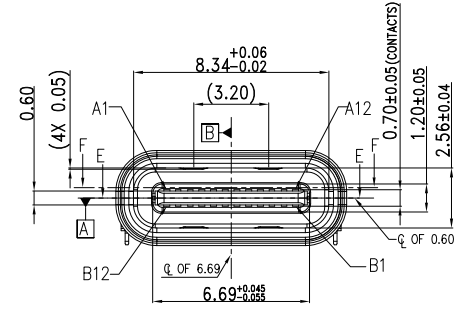
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# CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
1	20XXXXXX	NEW RELEASE	2020/01/09	Tom.Tang
2	20XXXXXX	Updated dustproof rating to IP68	2020/01/09	Tom.Tang
3	HKXXXX	Updated BOM notes	2021/10/19	IP
4	HKXXXX	Update recommended panel sizes	2021/10/28	Michael.Qin
5	HKXXXX	Add explosion view	2021/12/09	Michael.Qin
6	HKXXXX	Update PIN quantity	2023/06/19	Michael.Qin



Pin No	Signal Name	Mating Sequence	Pin No	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	TX1+	Second	B11	RX1+	Second
A3	TX1-	Second	B10	RX1-	Second
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
A10	RX2-	Second	B3	TX2-	Second
A11	RX2+	Second	B2	TX2+	Second
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	



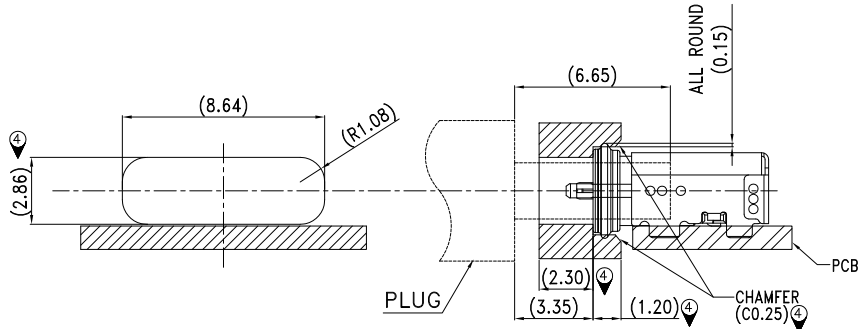
UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol	
U.S. METRIC		DRAWN Alec.II		06/19/23			
.X +/- 0.50		CHECKED Michael.qin		06/19/23		Amphenol East Asia Limited	
.XX +/- 0.15		CHECKED					
.XXX +/- 0.10		DRAWING FILE :				Customer Drawing For USB 3.1 GEN1, Type C socket connector, R/A Top mount, Double SMT type, CH=1.50mm, Waterproof IP68	
FRACTIONS +/-		ANGLE OF PROJECTION		3°			
ANGLES +/-		REMOVE SHARP EDGES		ANGLE OF PROJECTION		SIZE DRAWING NO. REV. A3 C 12401861 6	
SEE NOTES		DIMENSIONS		U.S. INCHES (METRIC)			
						SCALE NONE SHEET 1 OF 2	

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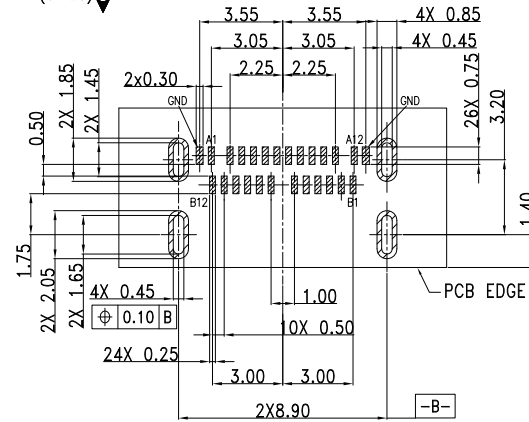
# CUSTOMER DRAWING

REVISIONS

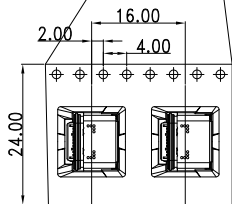
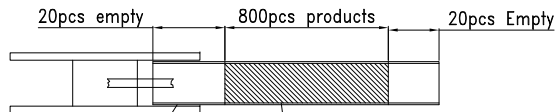
See page 1



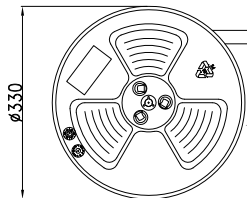
REF. PANEL DESIGN



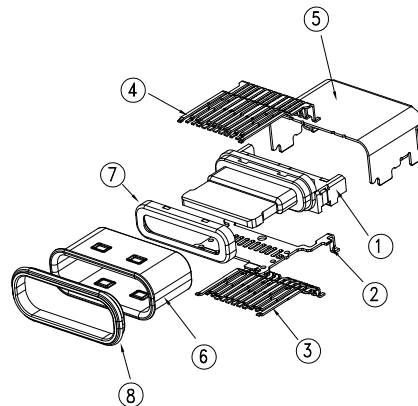
RECOMMENDED PCB LAYOUT  
(Tolerance=±0.05)



customer unwinding direction



PACK DIRECTION

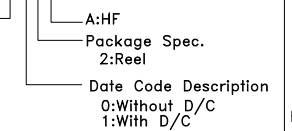


NOTES/注释:

- MATERIAL/材料: SEE TABLE/见下表
- GENERAL SPECIFICATION/通用特性:
  - COPLANARITY /共面度: 0.10 Max.
  - CURRENT RATING: 5A / 额定电流: 5安培
  - CONTACT RESISTANCE: 40mΩ MAX (INITIAL).  
INSULATION RESISTANCE: 100MΩ Min  
接触电阻: 40毫欧最大(初始值) / 绝缘电阻: 100MΩ Min
  - DIELECTRIC WITHSTANDING VOLTAGE: 100 VAC  
耐电压: 100伏交流
  - MECHANICAL CHARACTERISTICS:  
INSERTION FORCE: 5~20N EXTRACTION FORCE: 8~20N  
AFTER DURABILITY EXTRACTION FORCE: 6~20N  
力学特性: 初始插入力: 5~20N 拔出力: 8~20N  
耐久后拔出力: 6~20N
  - DURABILITY: 10000 CYCLES / 耐久性: 10000次
  - PACKAGING TYPE: CARRIER TAPE./ 包装类型: 载带包装
- WATERPROOF CLASS IP68/防水等级 IP68
- DIMENSIONING SHALL BE INTERPRETED PER ASME Y14.5M 1994.  
尺寸标注基于ASME Y14.5M 1994标准规范
- MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC.# S-SN-002, FOR HALOGEN FREE PRODUCTS, ALSO NEED TO MEET S-SN-004.  
产品材料环保标准为Amphenol SSN#002,如果是无卤产品需满足标准SSN#004
- ORDER P/N SYSTEM/产品料号编码系统 : 12401861XX12A

Plating Spec:

- 21: Mating Area: Au 30u" Min
- Solder Area: Gold flash
- 50u"Min Nickel Under Plating Over All



8	LIM	1	CHN-LIMS-60-A/B	BLACK
7	SMALL SHELL	1	SUS304-1/2H	CLEANING
6	MAIN SHELL	1	SUS304-1/2H	CLEANING
5	SUB-SHELL	1	SUS304-1/2H	NI PLATED
4	TOP TERMINAL	1	NKE012-EH	MATING AREA : Au30u"MIN SOLDER TAIL:GOLD FLASH, NICKEL OVERALL.
3	BOTTOM TERMINAL	1		
2	MID PLATE	1	SUS301-H	NI PLATED
1	MAIN HOUSING	1	DSM PA46 HFX31X	BLACK
ITEM DESCRIPTION	Q'TY		③ MATERIAL	FINISH

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE	
U.S. METRIC		DRAWN	Alec.li	06/16/23	
.XX	+/- 0.50	CHECKED	Migheal.qin	06/16/23	
.XX	+/- 0.15	CHECKED			
.XXX	+/- 0.10				
FRACTIONS	+/-				
ANGLES	+/- 3°				
FOR MATERIALS AND FINISHES SEE NOTES					
REMOVE SHARP EDGES			ANGLE OF PROJECTION		
DIMENSIONS					
U.S. INCHES					
(METRIC) (MM)					
DRAWING NO. C 12401861				REV. 6	
SCALE NONE				SHEET 2 OF 2	

**Amphenol**  
Amphenol East Asia Limited  
TITLE: Customer Drawing For USB 3.1 GEN1, Type C socket connector, R/A Top mount, Double SMT type, CH=1.50mm, Waterproof IP68