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CUSTOMER DRAWING

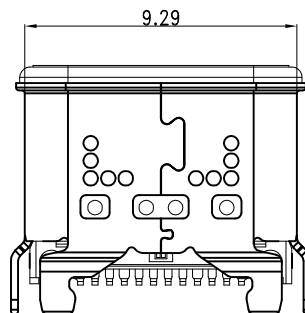
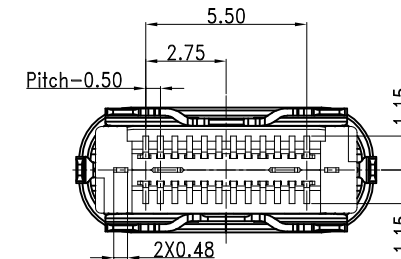
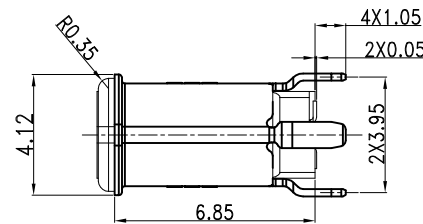
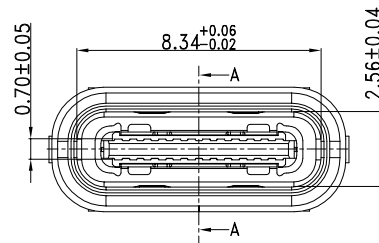
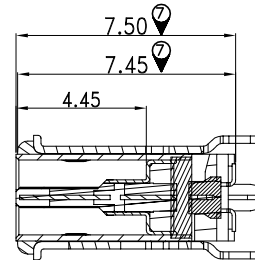
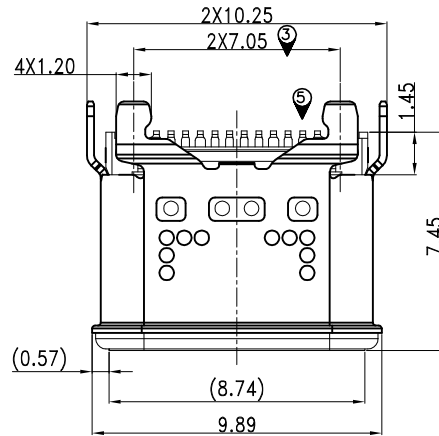
REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
1	HKXXXX	NEW RELEASE	2020/09/21	IP
2	HKXXXX	Add packing hint	2020/12/23	IP
3	HKXXXX	Update layout	2021/01/07	IP
4	HKXXXX	Update PN	2021/01/11	IP
5	HKXXXX	Update DIP	2021/01/11	IP
6	HKXXXX	Update case size	2021/04/06	IP
7	HKXXXX	Add size	2021/04/12	IP
8	HKXXXX	Update pack and table	2021/04/27	IP

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	



SECTION A-A(剖视图A-A)
SCALE 1:1 (比例 1:1)



HF(无卤)	√
Non-HF(有卤)	

UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC X .XX +/- 0.50 XXX +/- 0.25 FRACTIONS +/- 0.10 ANGLES +/- 3° FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES (METRIC) (MM)		APPROVAL DRAWN <u>Alisa.H</u> CHECKED <u>Michael.qht</u> DATE 12/23/20 12/23/20		Amphenol Amphenol East Asia Limited	
		DRAWING FILE : R:\DC\Engineering\data\RD\1.国际客户图		TITLE USB Type C socket connector, Vertical, Double SMT type, Water proof IPX8	
ANGLE OF PROJECTION 		SIZE A3		DRAWING NO. C 12402082	
SCALE NONE		REV. 8		SHEET 1 OF 2	

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CUSTOMER DRAWING

REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
See page 1				

NOTES/注释:

1. MATERIAL/材料: SEE TABLE/见下表
2. GENERAL SPECIFICATION/通用特性:
 - 2.1 COPLANARITY /共面度: 0.10 Max.
 - 2.2 CURRENT RATING: 5A / 额定电流: 5安培
 - 2.3 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
 - 2.4 DIELECTRIC WITHSTANDING VOLTAGE: 100 VAC
耐电压: 100伏交流
 - 2.5 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
 - 2.6 DURABILITY: 10000 CYCLES / 耐久性: 10000次
 - 2.7 PACKAGING TYPE: CARRIER TAPE./ 包装类型: 载带包装
3. WATERPROOF CLASS IPX8/防水等级 IPX8
4. DIMENSIONING SHALL BE INTERPRETED PER ASME Y14.5M 1994.
尺寸标注基于ASME Y14.5M 1994标准规范
5. 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
6. ORDER P/N SYSTEM/产品料号编码系统: 12402082XX12A

Plating Spec:

- ④ E5: Mating Area: Au 30u" Min
Solder Area: Gold flash
50u"Min Nickel Under Plating Over All

A:HF

Package Spec.
2:Reel

Date Code Description
0:Without D/C
1:With D/C

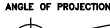
HF(无卤)

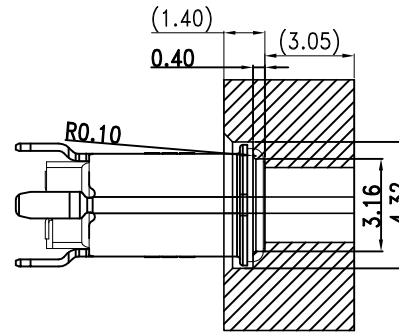
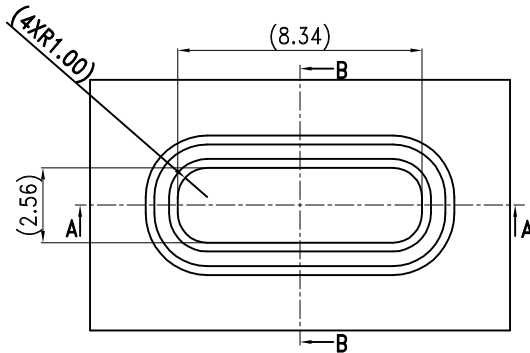
✓

Non-HF(有卤)

8	UV	1	GLUE	RED
7	SMALL SHELL	1	STAINLESS STEEL	NI PLATED OR CLEANING
6	MAIN SHELL	1	STAINLESS STEEL	NI PLATED OR CLEANING
5	OUTOR SHELL	1	STAINLESS STEEL	SOLDER NICKEL: 30" MIN
4	MID PLATE	1	STAINLESS STEEL	NICKEL: 30U" MIN
3	BOTTOM TERMINAL	1	COPPER ALLOY	MATING AREA : Au30u"MIN SOLDER TAIL:Gold Flash, 50u"MIN NICKEL OVERALL.
2	TOP TERMINAL	1	COPPER ALLOY	MATING AREA : Au30u"MIN SOLDER TAIL:Gold Flash, 50u"MIN NICKEL OVERALL.
1	MOLDING HOUSING	1	HIGH TEMPERATURE PLASTIC	BLACK
ITEM	DESCRIPTION	Q'TY	MATERIAL	

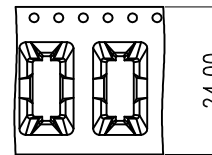
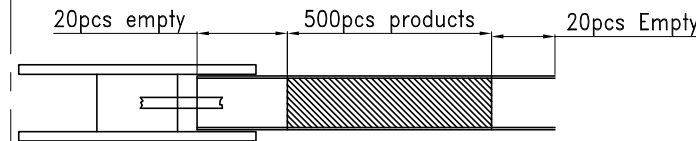
BILL OF MATERIAL

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol Amphenol East Asia Limited	
U.S.		DRAWN	Also..ll	12/23/20			
METRIC		CHECKED	Michael.qm	12/23/20			
		CHECKED					
.X +/-				0.50			
.XX +/-				0.25			
.XXX +/-				0.10			
FRACTIONS +/-							
ANGLES +/-				3°			
FOR MATERIALS AND FINISHES SEE NOTES						DRAWING FILE :	
						R:\CC-Engineering\data\RD\工.数据\客户图	
REMOVE SHARP EDGES						ANGLE OF PROJECTION	
DIMENSIONS							
U.S.							
INCHES							
(METRIC)							
(MM)						SIZE	
						DRAWING NO.	
						A3	
						C 12402082	
						REV.	
						8	
						SCALE	
						NONE	
						SHEET	
						2 OF 2	

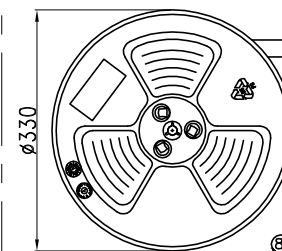


SEC A-A

Recommended Case/推荐的外壳布局
General Tolerances:±0.05/一般公差:±0.05



customer unwinding direction



PACK DIRECTION

Recommended PCB Layout(Top View)/推荐的PCB布局(前视图)
General Tolerances:±0.05/一般公差:±0.05