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CUSTOMER DRAWING

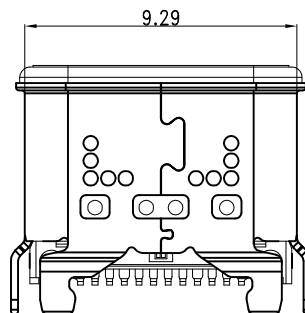
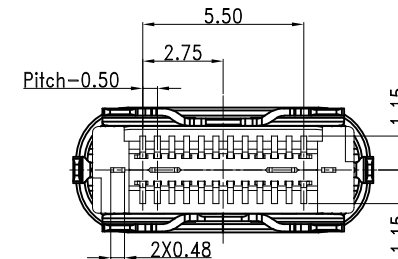
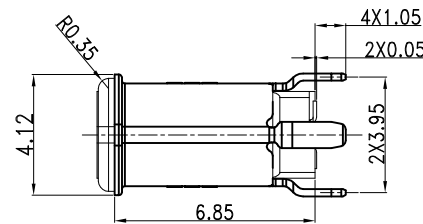
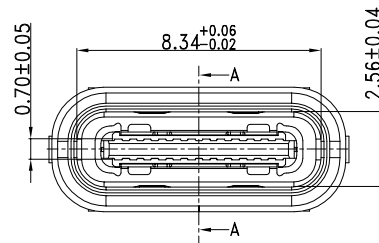
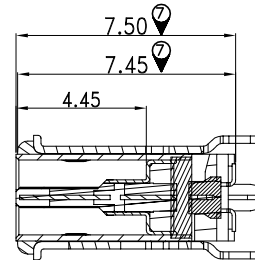
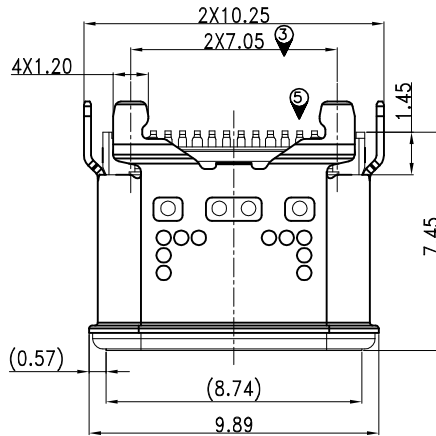
REVISIONS

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		APPROVAL	DATE	Amphenol Amphenol East Asia Limited	
U.S.	METRIC	Drawn	12/23/20		
±.005	±0.13	CHECKED	12/23/20	TITLE USB Type C socket connector, Vertical, Double SMT type, Water proof IPX8	
±.010	±0.25	CHECKED			
±.015	±0.38			DRAWING FILE : R:\DC\Engineering data\RD\1. 印刷客户图	
±.020	±0.51				
±.025	±0.64			ANGLE OF PROJECTION	
±.030	±0.76				
±.035	±0.89			SIZE A3	
±.040	±1.02				
±.045	±1.14			DRAWING NO. C 12402082	
±.050	±1.27				
±.055	±1.39			REV. 8	
±.060	±1.52				
±.065	±1.65			SCALE NONE	
±.070	±1.78				
±.075	±1.90			SHEET 1 OF 2	
±.080	±2.03				
±.085	±2.16				
±.090	±2.29				
±.095	±2.41				
±.100	±2.54				

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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

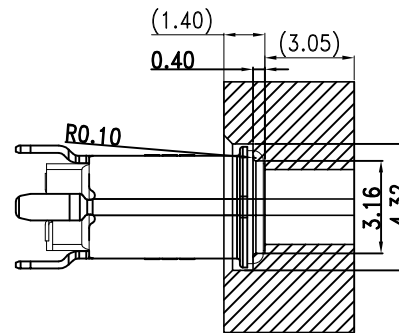
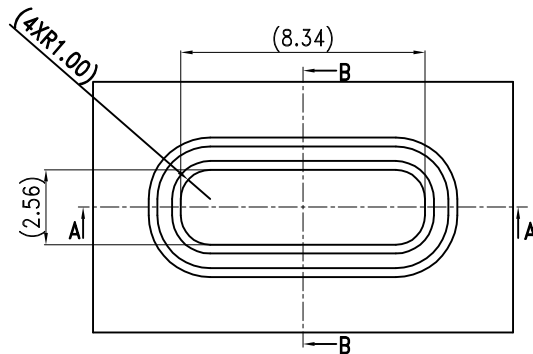
HF(无卤)	√
Non-HF(有卤)	

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

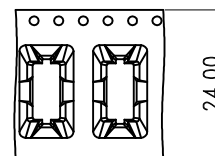
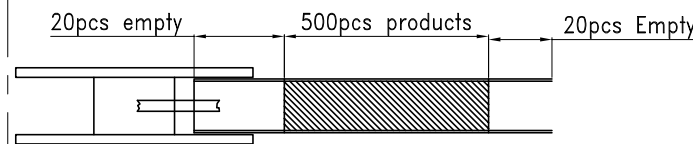
UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL	DATE
U.S.		DRAWN	12/23/20
METRIC		CHECKED	12/23/20
X .XX		Michael.qin	
X .XXX			
FRACTIONS			
ANGLES			
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE:	
REMOVE SHARP EDGES		FILED: Engineering data/ROD.L/ 工程数据/客户图	
DIMENSIONS		ANGLE OF PROJECTION	
U.S.	INCHES		
(METRIC)	(MM)		

Amphenol		Amphenol East Asia Limited	
TITLE		USB Type C socket connector, Vertical, Double SMT type, Water proof IPX8	
SIZE	DRAWING NO.	REV.	
A3	C 12402082	8	
SCALE	NONE	SHEET	2 OF 2

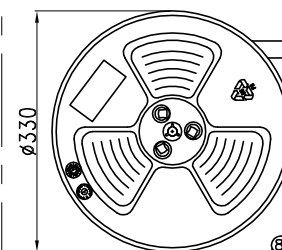


SEC A-A

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

Packing:
1. 500 Pcs/Reel.
2. 10 Reels/Carton.