

CUSTOMER DRAWING

Pin No	Signal Name	Mating Sequence
A1	GND	First
A2	TX1+	Second
A3	TX1−	Second
A4	Vbus	First
A5	CC1	Second
A6	D+	Second
A7	D−	Second
A8	SBU1	Second
A9	Vbus	First
A10	RX2−	Second
A11	RX2+	Second
A12	GND	First

Pin No	Signal Name	Mating Sequence
B12	GND	First
B11	RX1+	Second
B10	RX1−	Second
B9	Vbus	First
B8	SBU2	Second
B7	D−	Second
B6	D+	Second
B5	CC2	Second
B4	Vbus	First
B3	TX2−	Second
B2	TX2+	Second
B1	GND	First

8	LIM	1	SILICA GEL	BLACK
7	SOLDER PIN	1	STAINLESS STEEL	SOLDER NICKEL: 50u" MIN
6	SHELL HOUSING	1	High-TEMP. PLASTIC	BLACK
5	SHELL	1	STAINLESS STEEL	SOLDER NICKEL: 50u" MIN
4	TOP TERMINAL	1	COPPER ALLOY	MATING SIDE:30u" AU MIN; SOLDER TAIL:GOLD FLASH, 50u" NICKEL OVERALL.
3	BOTTOM TERMINAL	1	COPPER ALLOY	MATING SIDE:30u" AU MIN; SOLDER TAIL:GOLD FLASH, 50u" NICKEL OVERALL.
2	MID PLATE	1	STAINLESS STEEL	SOLDER NICKEL: 50u" MIN
1	MAIN HOUSING	1	High-TEMP. PLASTIC	BLACK
ITEM	DESCRIPTION	Q'TY	MATERIAL	FINISH

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol Amphenol East Asia Limited	
U.S. METRIC		DRAWN		Rosey.Wang 01/09/20			
.X +/- 0.50		CHECKED		Weison.Lu 01/09/20			
.XX +/- 0.15		CHECKED					
.XXX +/- 0.10						Customer Drawing For USB 3.0, Type C connector, R/A , Middle mount, Double SMT type, CH=0.40mm, Water proof IPX8	
FRACTIONS +/-							
ANGLES +/- 3°							
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE :					
REMOVE SHARP EDGES		ANGLE OF PROJECTION		SIZE		DRAWING NO.	
DIMENSIONS				A3		C 12401831	
U.S. INCHES						REV.	
(METRIC) (MM)				SCALE		NONE	
				SHEET		1 OF 2	

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REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
1	2001XXXXX	FIRST RELEASE	2020/01/09	TOM

NOTES/注释:

- MATERIAL/材料: SEE BILL OF MATERIAL/见材料清单
- 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: 100M Ω 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 IPX8/防水等级 IPX8
- 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 :12401831XX12A

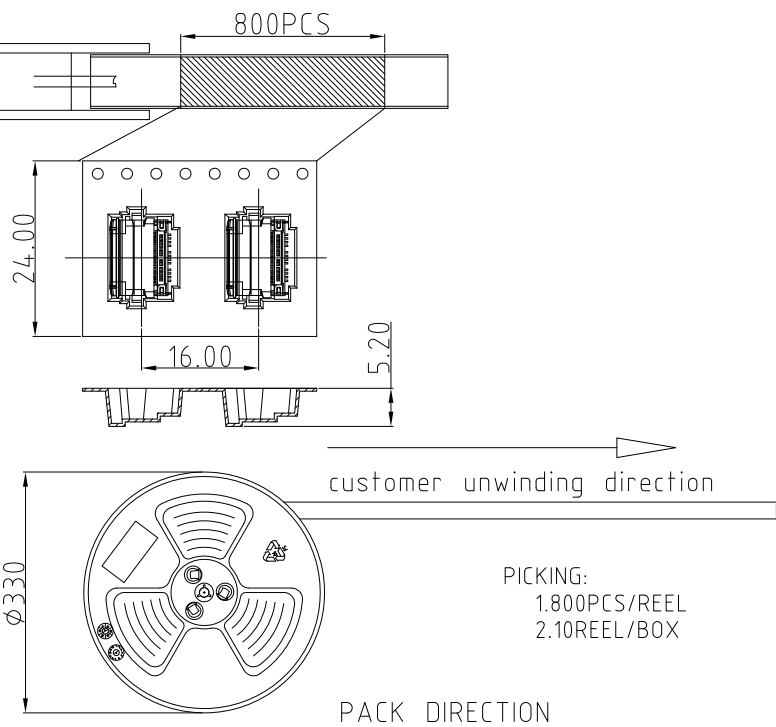
Plating Spec:
21: Mating Area: Au 30u" Min
Solder Area: Gold flash
50u"Min Nickel Under Plating Over All

A:HF
Package Spec.
2:Reel
Date Code Description
0:Without D/C
1:With D/C

RECOMMENDED PCB LAYOUT
(Tolerance=±0.05)

PANEL CUT-OUT REFERENCE

SECTION A-A



UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC . +/- 0.50 . +/- 0.15 . +/- 0.10 FRACTIONS +/- ANGLES +/- 3° FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES (METRIC) (MM)			APPROVAL		DATE		Amphenol Amphenol East Asia Limited					
			DRAWN	Rosey.Wang	01/09/20							
			CHECKED	Weison.Lu	01/09/20		TITLE Customer Drawing For USB 3.0, Type C connector, R/A , Middle mount, Double SMT type, CH=0.40mm, Water proof IPX8					
			CHECKED									
			DRAWING FILE :				SIZE DRAWING NO. A3 C 12401831 REV. 1					
			ANGLE OF PROJECTION 									
							SCALE		NONE		SHEET 2 OF 2	