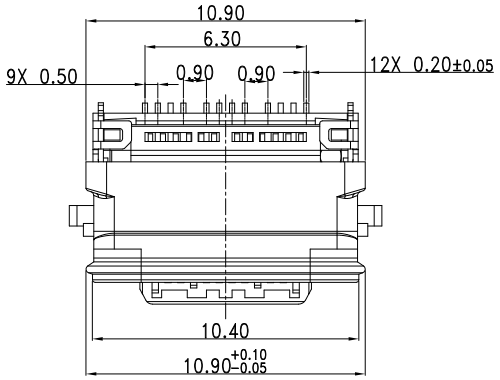
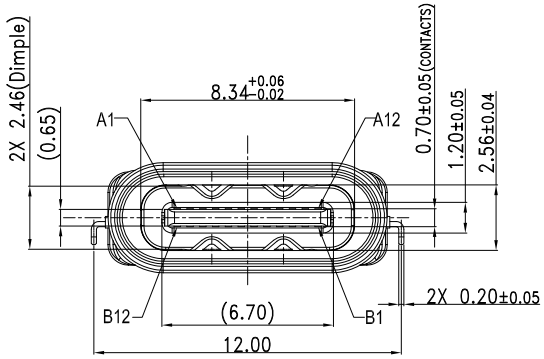
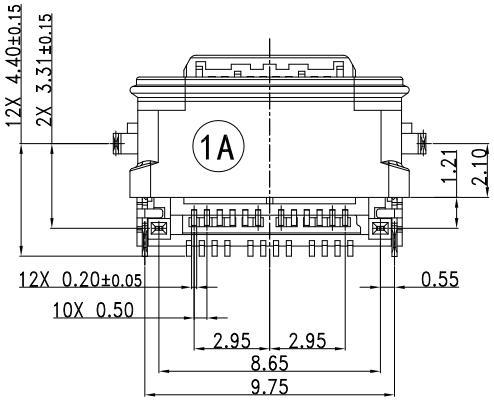
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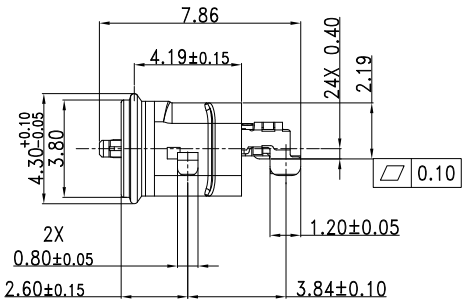
CUSTOMER DRAWING

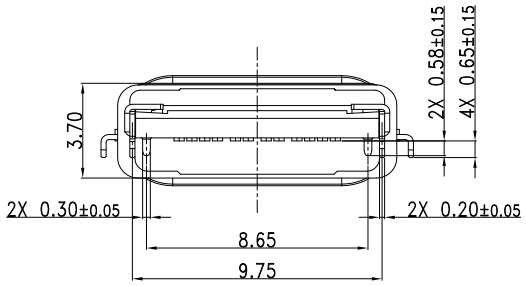
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
1	HK---	FIRST RELEASE	2021/02/02	IP

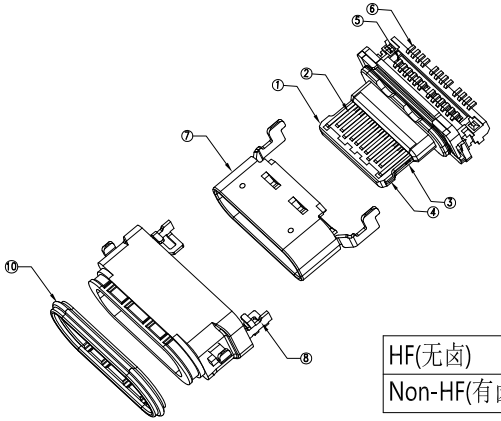












HF(无卤)	√
Non-HF(有卤)	

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

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

BILL OF MATERIAL

UNLESS OTHERWISE SPECIFIED TOLERANCES

	U.S.	METRIC
.X	+/-	0.50
.XX	+/-	0.15
.XXX	+/-	0.10
FRACTIONS	+/-	
ANGLES	+/-	3°

FOR MATERIALS AND FINISHES SEE NOTES

REMOVE SHARP EDGES

DIMENSIONS U.S. / INCHES (METRIC) / (MM)

APPROVAL		DATE
DRAWN	Rosey.Wang	02/02/21
CHECKED	Michael.Qin	02/02/21
CHECKED		

DRAWING FILE :

ANGLE OF PROJECTION

Amphenol

Amphenol East Asia Limited

TITLE: Customer Drawing For
USB 3.0, Type C connector, R/A ;
Middle mount, Double SMT type, CH=0.40mm,
Water proof IPX8

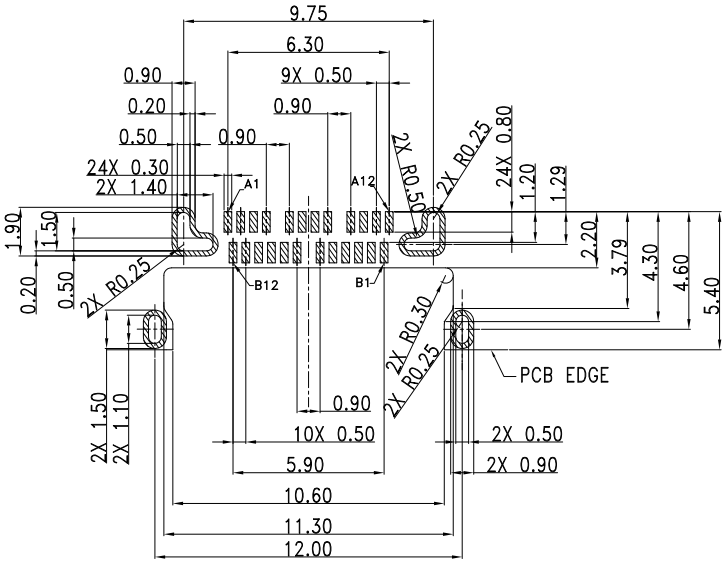
SIZE	DRAWING NO.	REV.
A3	C 12401957	1

SCALE NONE SHEET 1 OF 2

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CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
1	HK---	FIRST RELEASE	2021/02/02	IP



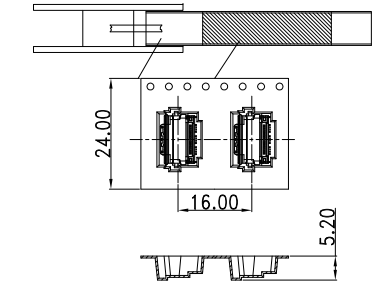
RECOMMENDED PCB LAYOUT
(Tolerance=±0.05)

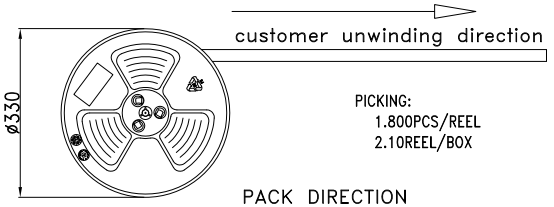
NOTES/注释:

1. MATERIAL/材料: SEE BILL OF MATERIAL/见材料清单
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 IPX7/防水等级 IPX7
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 :12401957XX12A

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





HF(无卤)	√
Non-HF(有卤)	

Amphenol Shenzhen RoHS Compliant 2011/65/EU

UNLESS OTHERWISE SPECIFIED TOLERANCES	U.S.	METRIC
.X	+/-	0.50
.XX	+/-	0.15
.XXX	+/-	0.10
FRACTIONS	+/-	
ANGLES	+/-	3°

FOR MATERIALS AND FINISHES SEE NOTES
REMOVE SHARP EDGES
DIMENSIONS U.S. (METRIC) / INCHES (MM)

APPROVAL		DATE
DRAWN	Rosey.Wang	02/02/21
CHECKED	Michael.Qin	02/02/21
CHECKED		

DRAWING FILE :

ANGLE OF PROJECTION

Amphenol
Amphenol East Asia Limited

TITLE: Customer Drawing For
USB 3.0, Type C connector, R/A ,
Middle mount, Double SMT type, CH=0.40mm,
Water proof IPX7

SIZE	DRAWING NO.	REV.
A3	C 12401957	1

SCALE	NONE	SHEET 2 OF 2