

IDEAS GENERATED DRAWING. DON'T CHANGE BY HAND.

REV.	ECN. NO.	APPD.
A	BC-15-0014795	ADWARD ZHENG
B	BC-17-0031103	LIANG GONG

PRODUCT NO.: UAA 1 1 1 C - 84161 - 4 H
Series Prefix
UAA: USB 3.1 A TYPE
Termination Type
1 = Right Angle T/H
Connector Type
1: Female
No. of Contact Position
1: 18 Pos.
Halogen Free Code
H: Halogen Free
Package Code
4: Soft Tray Package
Extension Code
Contact Area Plating
C: Gold Flash+30u" Pd/Ni Min

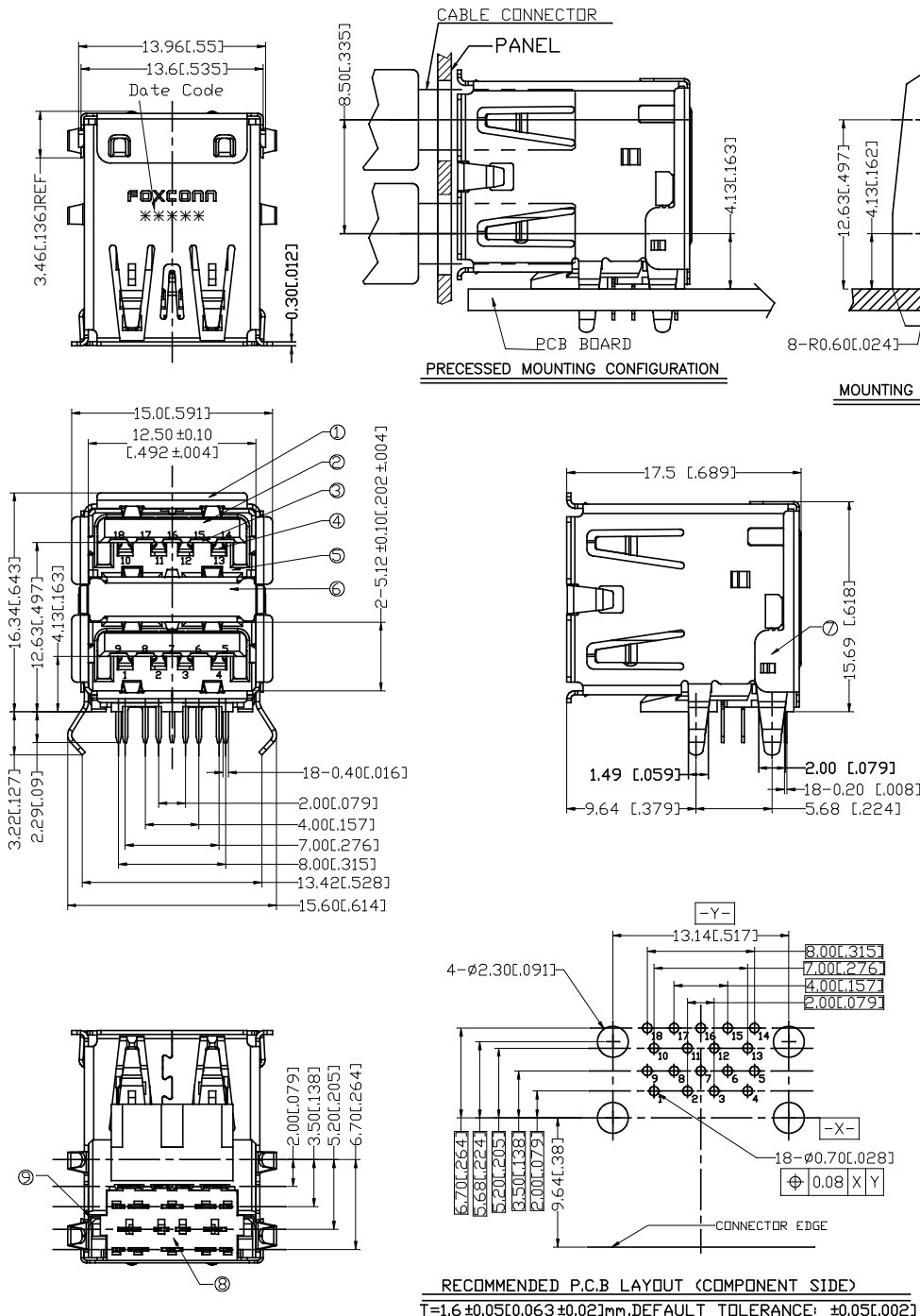
NOTES:

- ELECTRICAL CHARACTERISTICS:
 - CONTACT CURRENT RATING:
1.8 A FOR VBUS PIN AND ITS CORRESPONDING GND PIN.
0.25 A MIN FOR ALL OTHER CONTACTS.
 - CONTACT RESISTANCE:
INITIAL 30 MILLIOHMS MAX FOR VBUS AND GND CONTACTS.
INITIAL 50 MILLIOHMS MAX FOR ALL OTHER CONTACTS.
AFTER DURABILITY 10 MILLIOHMS MAX CHANGE.
 - DIELECTRIC WITHSTANDING VOLTAGE : 100 VRMS AC MIN.
 - INSULATION RESISTANCE: 100 MEGOHMS MIN.
- MECHANICAL CHARACTERISTICS:
 - CONNECTOR MATING FORCE: 35N MAX.
 - CONNECTOR UNMATING FORCE: 10N MIN INITIAL, 8N MIN AFTER DURABILITY.
 - DURABILITY: 5000 CYCLES.
 - OPERATING TEMPERATURE: -55° C TO +85° C
- RECOMMENED PROCESS: WAVE SOLDER 270° C, 6SECONDS.
- THE CONNECTOR IS ROHS COMPLIANT.
- RECOMMENDED PCB THICKNESS: 1.60±0.05[.063±.002]mm

PIN ASSIGNMENT:

Pin No.	1	2	3	4	5	6	7	8	9
Pin No.	10	11	12	13	14	15	16	17	18
Signal Name	VBUS	D-	D+	GND	STDA_SSRX-	STDA_SSRX+	GND_DRAIN	STDA_SSTX-	STDA_SSTX+
Remark	USB2 Contact Pin				USB3 Contact Pin				
9	GROUND		1	STAINLESS STEEL		CLEAN			
8	SPACER		1	PA66+30%GF		MOLDED COLOR: BLACK GF30% UL 94V-0			
7	REAR SHELL		1	STAINLESS STEEL		CLEAN			
6	FINGER		1	STAINLESS STEEL		CLEAN			
5	FRAME		1	PA66+30%GF		MOLDED COLOR: BLACK GF30% UL 94V-0			
4	USB2 CONTACT		8	COPPER ALLOY		GOLD FLASH OVER 30u" PD/NI AT CONTACT AREA, LEAD FREE TIN ALLOY AT TERMINATION, NICKER			
3	USB3 CONTACT		10	COPPER ALLOY		UNDERPLATING OVER ALL			
2	INNER INSULATOR		1	PA66+30%GF		MOLDED COLOR:BLUE(PANTONE:300C)			
1	FRONT SHELL		1	STAINLESS STEEL		LEAD FREE TIN ALLOY AT KINK OVER NICKEL PLATED .			
NO.	DESCRIPTION		QTY.	MATERIAL		TREATMENT			

X. ±	X'. ±	UNITS	mm[Inch]	NAME(INTENDED USE)	FOXCONN® FOXCONN INTERCONNECT TECHNOLOGY LIMITED
.X ± 0.38[.010]	.X' ±	MAT'L	N/A	CUSTOMER	
.XX ± 0.25[.010]	.XX' ±			PART NO.(INTENDED USE)	CLASS: <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET <input checked="" type="checkbox"/> GENERAL
.XXX ±	.XXX' ±	FINISH	N/A	UAA111C-84161-4H	TITLE: DUAL USB 3.1 A TYPE
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				CHKD: Eric Du 10/19/17	
				DR: Deming Xu 10/19/17	
					SCALE SHEET REV. N/A 1/1 B



RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

T=1.6±0.05[0.063±0.02]mm, DEFAULT TOLERANCE: ±0.05[.002]