

REV	ECN No.	DATE	REMARK
A0	NEW	2019.11.20	NEW RELEASE
B	ECNE02105002	2021.05.06	增加真空包装料号规格
C	---	2024.02.20	更新新规格

NOTE:
1. ELECTRICAL PERFORMANCE:
1-1. CURRENT RATINGS AMPS. FOR TOTAL VBUS/GND PINS:
1-1-1. 1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.
1-2. VOLTAGE RATING:20V DC/AC (RMS. MAX)
1-3. ILCOR:
VBUS & GND PINS AND OTHER PINS: 40MD/PIN MAX.
SHIELD:50MD/MAX.
LLOR MAX. CHANGE OF ALL PINS: 10MD.
1-4 INSULATION RESISTANCE: 1000MΩ MIN
1.5 DIELECTRIC WITHSTAND VOLTAGE:AC 100V FOR 1 MINUTE.
2. MECHANICAL PERFORMANCE:
2-1. EXTRACTOR FORCE: 8-20N.
2-2. INSERTION FORCE: 8-20N.
2-3. DURABILITY: 10000 CYCLES.
3. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -25°C~+85°C.
4. AIR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.
5. COMPLIANCE WITH ROHS REQUIREMENTS.
6. SALT SPRAY:48H
7. WITH * for the key control size
8. PART NUMBER CODE:
TC178-16 S X X XX X - 01

PACKING OPTIONS:
RTAPE & REEL
V:RTAPE & REEL+真空包装
CONTACTS PLATED:
12>Contact Area: Au 3u"
15>Contact Area: Au 30u"
Solder Thickness
HOUSING COLOR:
B:BLACK
W:WHITE
L:BLUE
HOUSING MATERIALS:
C:PA6T
L:LCF

序号	PART NO.	REMARKS	PACKING
1	TC178-16S(B12R-01)	LCF冲包后继续加工3u"无孔	TYPE & REEL
2	TC178-16S(B12R-01)	LCF冲包后继续加工3u"无孔	TYPE & REEL
3	TC178-16S(B15R-01)	LCF冲包后继续加工3u"无孔	TYPE & REEL
4	TC178-16S(B12R-01)	LCF冲包后继续加工3u"无孔	TYPE & REEL+无孔包装
5	TC178-16S(B12R-01)	LCF冲包后继续加工3u"无孔	TYPE & REEL

PIN DEFINITION:

PIN No.	A1	A4	A5	A6	A7	A8	A9	A12
SIGNAL NAME	GND	VBUS	CC1	D+	D-	SBU1	VBUS	GND
PIN No.	B12	B9	B8	B7	B6	B5	B4	B1
SIGNAL NAME	GND	VBUS	SBUS2	D-	D+	CC2	VBUS	GND

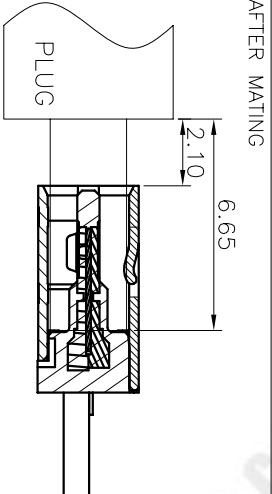
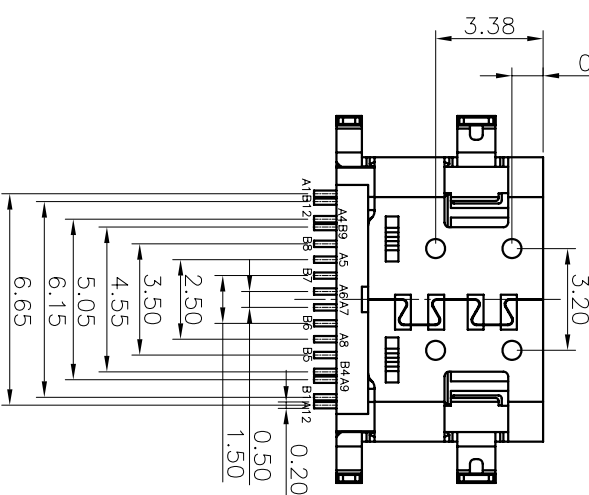
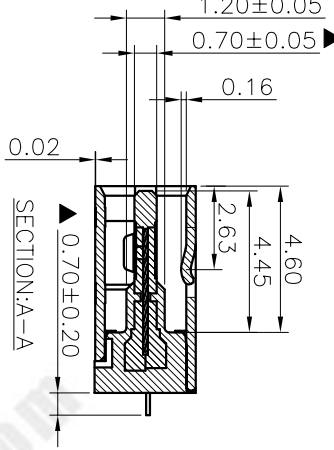
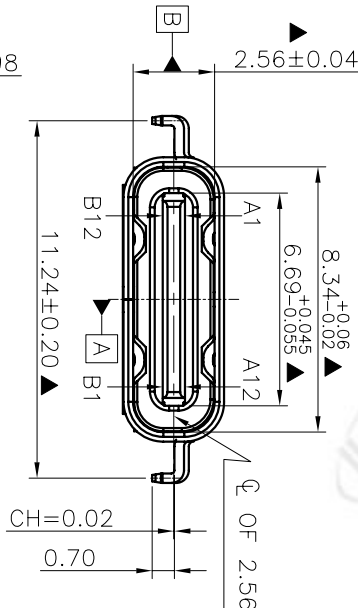
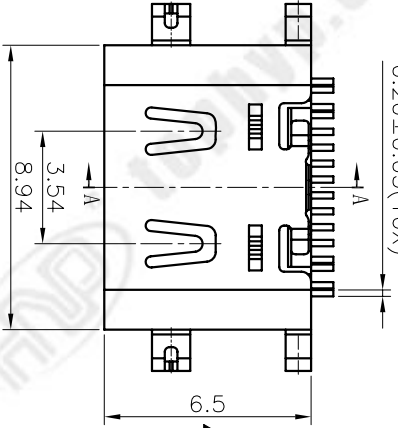
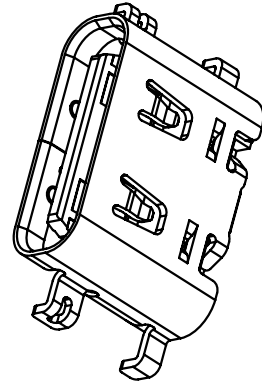
TABLE:

NO	PART	QTY	Material	TID NO.
1	SHELL	1	STAINLESS STEEL 304, BLACK NI 30U" MIN PLATED	3379
2	Mid Plate	1	STAINLESS STEEL 301, NO PLATED	
3	CONTACT	16	COPPER STEEL C18400, Au 3u"/Plated On Vontact Area GF Plated On Solder Area,Nickel 500"Min Underplating Over All.	
4	HOUSING	1	LCF/PA6T UL94 V-0	

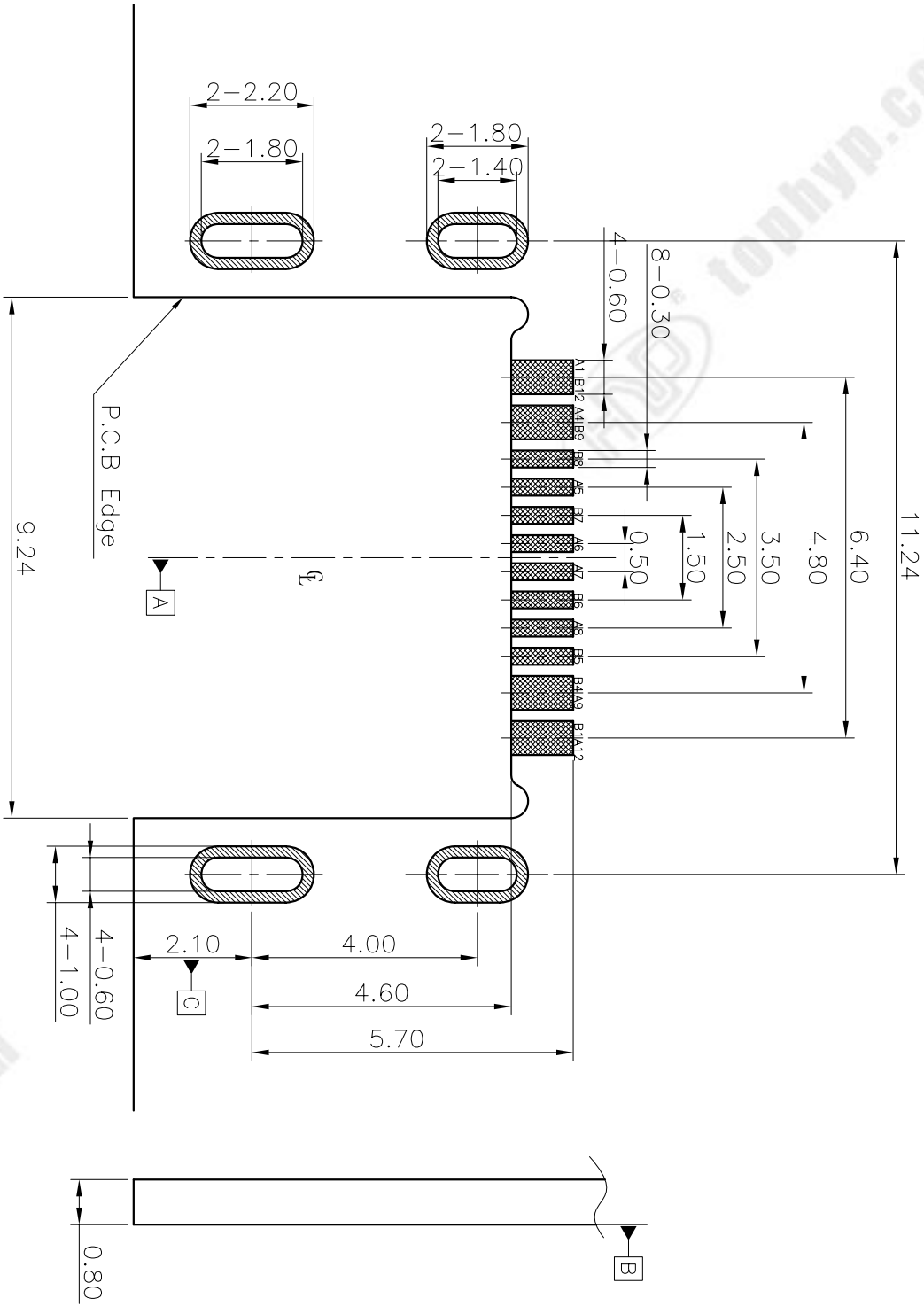
PART NO.:
DRAWN BY:
K.DING
CHECKED BY:
S.L.LI
GENERAL TOLERANCES
HON YUAN
HON YUAN PRECISION IND. CO.,LTD.
SHENZHEN, CHINA, R.O.C.

USB TYPE-C FEMALE 16PIN (L=6.5)
规格 1.6 外形图例片款

ANGULAR	± 3°	THIRD ANGLE PROJECTION	DIMENSIONS	SCALE	DRAWING	SHEET NO.	1 OF 2	TC178-16S(B12R-01)
X.XXX	± 0.10	APPROVED BY:	mm	1:1	A4	1	2	
X.XXX	± 0.20	W.P.LU						
X.XXX	± 0.30							



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PART NO.:		DRAWN BY:	HON YUAN	
SEE THE PART NUMBER CODE		K.DING	HON YUAN PRECISION IND. CO.,LTD.	
GENERAL TOLERANCES		CHECKED BY:	SHENZHEN, CHINA, R.O.C.	
S.L.I.		APPROVED BY:	TITLE	
± ---		W.P.LU	USB TYPE-C FEMALE 16PIN (L=6.5)	
± 0.10			沉板1.6外壳带薄片款	
± 0.20			DIMENSIONS	
± 0.30			SCALE	
± 3°			1:1	
ANGULAR			DRAWING	
			A4	
			SHEET NO.	
			2 OF 2	
			TCL78-16SCB2R-01	

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