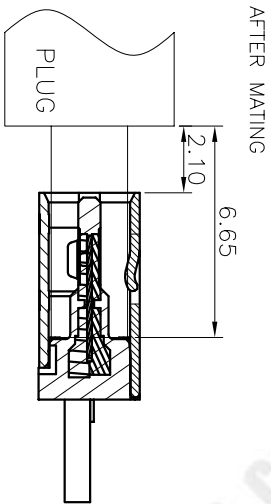
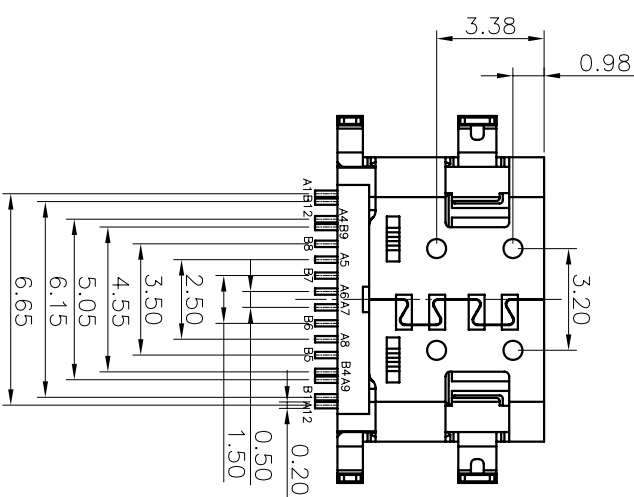
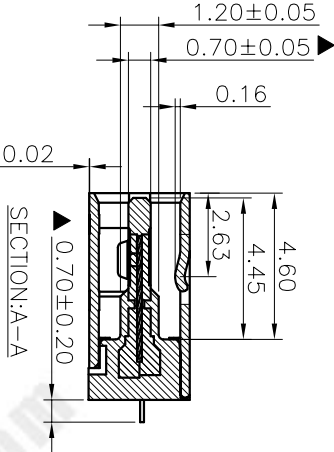
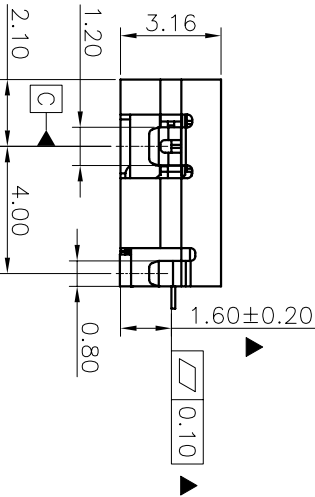
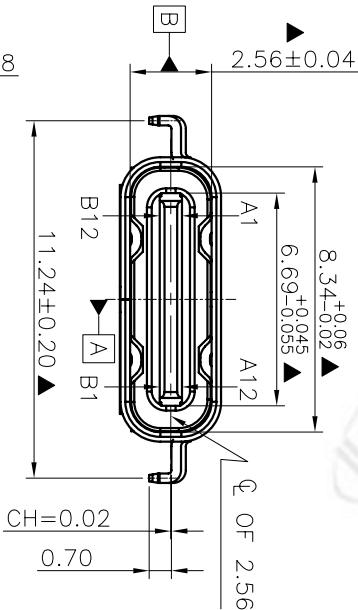
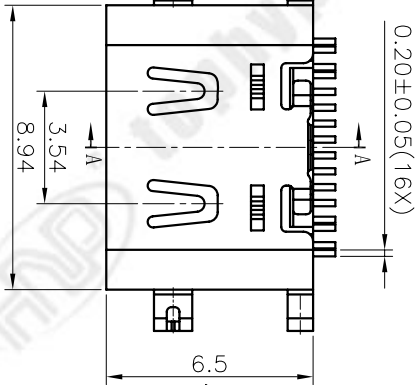
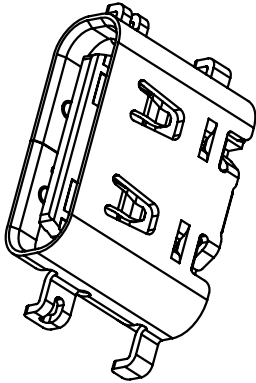


REV	ECN No.	DATE	REMARK
A0	NEW	2019.11.20	NEW RELEASE
B	ECNE02105006	2021.05.06	增加真空包装料号规格
C	---	2024.02.20	更新新规格

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: 1000Ω 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 DURAILITY: 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



序号	PART NO.	REMARKS	PACKING
1	TC178-16S(B12R-01)	127# 总长度 3.20mm, 127# 总长度 3.20mm, 127# 总长度 3.20mm	TYPE & REEL
2	TC178-16S(B12R-01)	127# 总长度 3.20mm, 127# 总长度 3.20mm, 127# 总长度 3.20mm	TYPE & REEL
3	TC178-16S(B15R-01)	127# 总长度 3.20mm, 127# 总长度 3.20mm, 127# 总长度 3.20mm	TYPE & REEL
4	TC178-16S(B12R-01)	127# 总长度 3.20mm, 127# 总长度 3.20mm, 127# 总长度 3.20mm	TYPE & REEL
5	TC178-16S(B12R-01)	127# 总长度 3.20mm, 127# 总长度 3.20mm, 127# 总长度 3.20mm	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

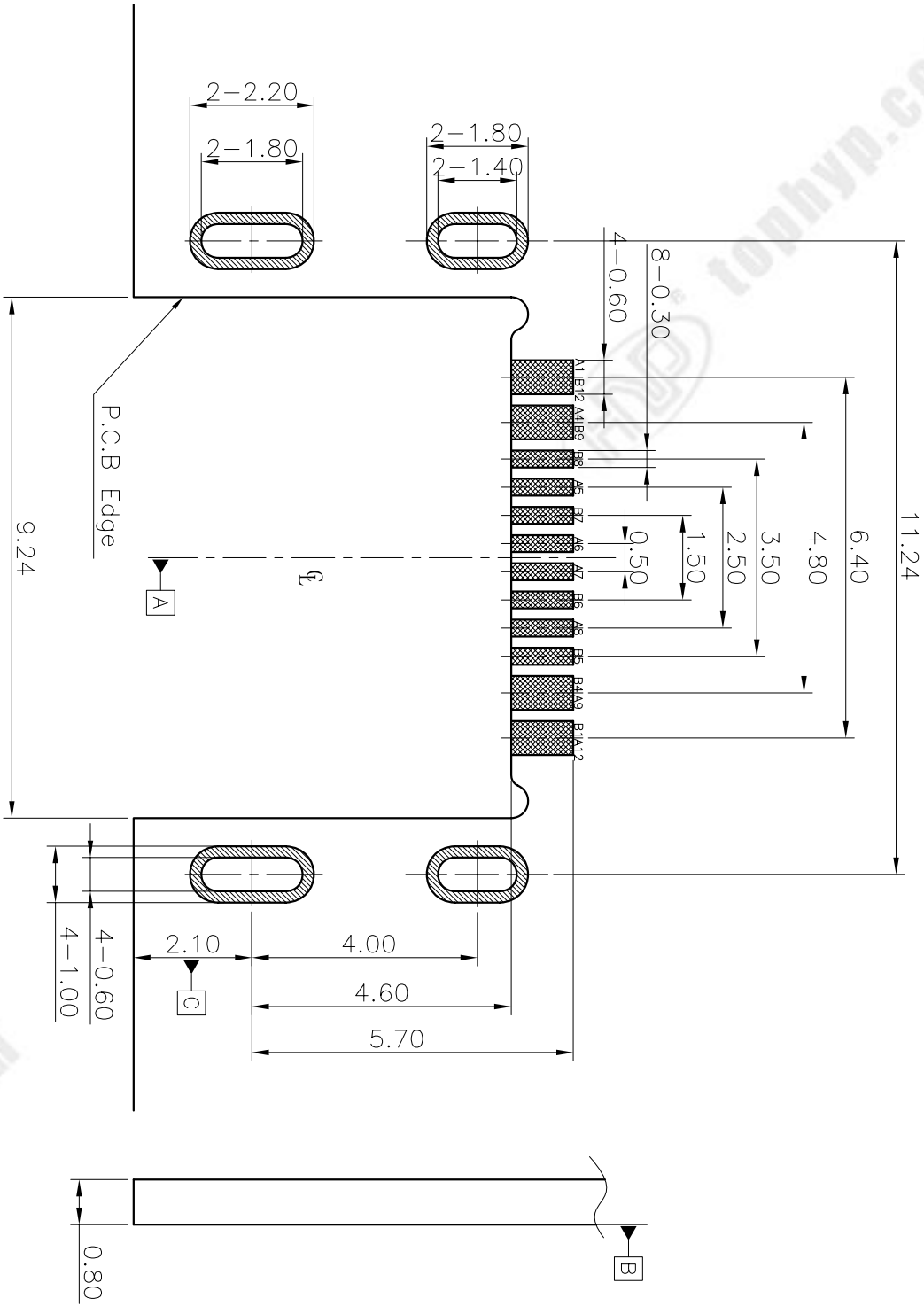
TABLE:

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 Contact Area GF Plated On Solder Area/Nickel 500"Min Underplating Over All.	
4	HOUSING	1	LCP/PAGT UL94 V-0	

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

USB TYPE-C FEMALE 16PIN (L=6.5)	SCALE	DRAWING	SHEET NO.	1 OF 2	TC178-16S(B12R-01)
规格 1.6 外形图例片款	1:1	A4			

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	更新新图框



Recommended PCB Layout
General Tolerance ± 0.05
SCALE:2:1

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.
X.XXXX $\pm$ ---	S.L.I	
X.XXX ± 0.10	APPROVED BY:	USB TYPE-C FEMALE 16PIN (L=6.5)
X.XX ± 0.20	W.P.LU	沉板1.6外壳带薄片款
X.X ± 0.30		
ANGULAR $\pm 3^\circ$	THIRD ANGLE PROJECTION	DIMENSIONS
		SCALE 1:1
		DRAWING A4
		SHEET NO. 2 OF 2
		TC178-16SCB2R-01