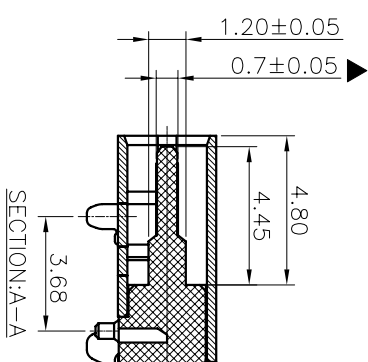
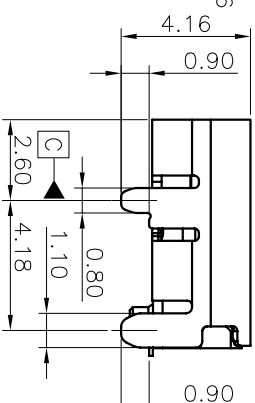
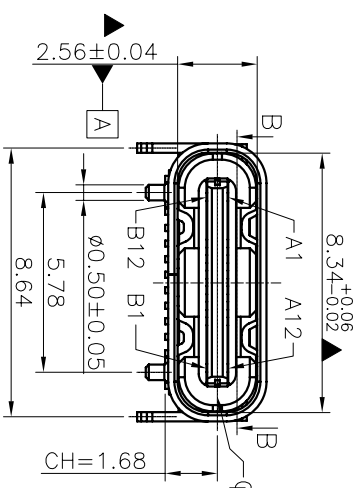
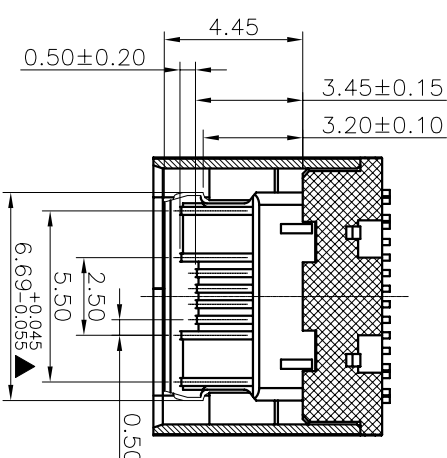
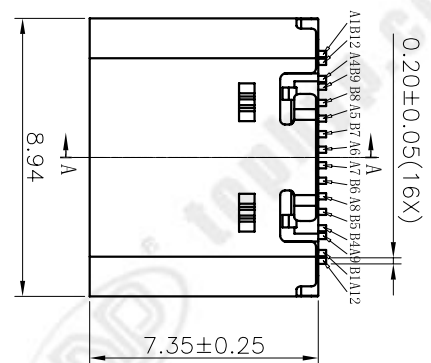
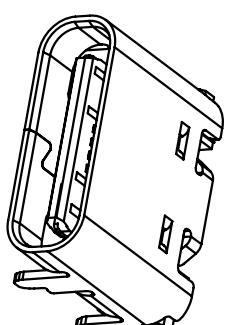


REV	ECN No.	DATE	REMARK
A	NEW	2019.10.21	NEW RELEASE
B	---	2022.10.18	---



- NOTE:
- ELECTRICAL PERFORMANCE:
 - CURRENT RATING: 5 AMPS. FOR TOTAL VBUS/GND PINS.
 - 1.25AMPS. FOR CC PIN.
 - 0.25 AMPS. FOR ALL OTHER CONTACT.
 - VOLTAGE RATING: 20V DC/AC (RMS. MAX)
 - LCRR: VBUS & GND PINS AND OTHER PINS: 40MD/PIN MAX. SHIELD: 50MD/MAX.
 - LCRR MAX. CHANGE OF ALL PINS: 10MD.
 - INSULATION RESISTANCE: 100MD MIN
 - SDIELECTRIC WITHSTAND VOLTAGE: AC 100V FOR 1 MINUTE.
 - MECHANICAL PERFORMANCE:
 - INSERTION FORCE: 5~20N.
 - EXTRACTION FORCE: 8~20N.
 - DURABILITY: 10000 CYCLES.
 - ENVIRONMENTAL PERFORMANCE:
 - OPERATING TEMPERATURE: -25°C~+85°C.
 - REFLOW: 4.1R
 - THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.
 - COMPLIANCE WITH ROHS REQUIREMENTS.
 - SALT SPRAY: 24H
 - With * for the key control size

8. PART NUMBER CODE:
TC044 16S B 12 R-02

- Pin No.: 16; 16Pin
- HOUSING MATERIAL: C-PA9T
- HOUSING COLOR: BLACK
- CONTACTS PLATED: 12; Contact Area: Au 3u" Solder Tails: GF
- PACKING OPTIONS: R:TAPE & REEL

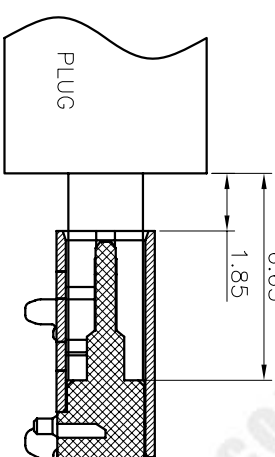
PIN DEFINITION:

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	SBU2	D-	D+	CC2	VBUS	GND

TYPE:

NO.	DESCRIPTION	MATERIAL	REMARKS	QTY
4	SHELL	SUS304 1/2H T=0.30mm	NICKEL 30u" MIN PLATING	1PCS
3	SHIELDING PLATE	SUS301 3/4H T=0.15mm	---	1PCS
2	CONTACT	C18400-H T=0.12mm	N 50u" MIN. UNDER PLATED OVER ALL PLATING GIVE OF THE SOLDER WELD	25ET
1	HOUSING	PA9T UL94V-0	BLACK	1PCS

HON YUAN
HON YUAN PRECISION IND. CO.,LTD.
SHENZHEN, CHINA, R.O.C.



PART NO.:	DRAWN BY:	TITLE
SEE THE PART NUMBER CODE	K.DING	HON YUAN PRECISION IND. CO.,LTD.
GENERAL TOLERANCES	CHECKED BY:	SHENZHEN, CHINA, R.O.C.
S.LLI		
x.xxxx ± ---		
x.xxxx ± 0.10		
x.xxx ± 0.20		
x.x ± 0.30		
ANGULAR ± 3°		

USP CF 16PIN (L=7.35)WITH POST	SCALE	DRAWING	SHEET NO. (DWC.NO.)	1 OF 2	TC044-16S1 B12R-02
	1:1	A4			

10 9 8 7 6 5 4 3 2 1

RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

SCALE:2:1

The drawing shows a rectangular PCB layout for a USB connector. Key dimensions include an overall width of 8.64mm and a length of 8.64mm. Pin locations are marked with letters A1 through B12. Dimensions for pin spacing and lengths are provided in millimeters, with some values in parentheses indicating multipliers (e.g., 1.80(2X)). A cross-section view at the bottom shows a thickness of 0.80mm. A 'PRODUCT EDGE' is indicated on the right side.

REV	ECN No.	DATE	REMARK
A	NEW	2019.10.21	NEW RELEASE
B	---	2022.10.18	---

PART NO.:	DRAWN BY:	TITLE
SEE THE PART NUMBER CODE	K.DING	HON YUAN
GENERAL TOLERANCES	CHECKED BY:	HON YUAN PRECISION IND. CO.,LTD.
X.XXXX ± ---	S.L.Li	SHENZHEN, CHINA, R.O.C.
X.XXX ± 0.10	APPROVED BY:	
X.XX ± 0.20	W.P.Lu	
X.X ± 0.30		
ANGULAR ± 3°		

DIMENSIONS	SCALE	DRAWING	SHEET NO.	DWG. NO.
mm	1:1	A4	2 OF 2	T0144-16SL B12P-02

USB CF 16PIN (L=7.35)WITH POST