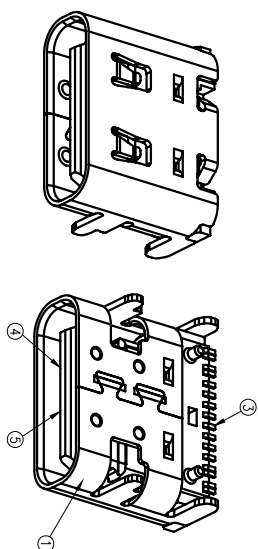
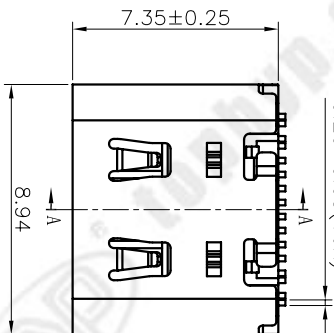


0.20±0.05(16X)



NOTE:

1.ELECTRICAL PERFORMANCE.

1-1. CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;

1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.

1-2. VOLTAGE RATING:5V/20V DC/AC (RMS. MAX)

1-3. LCR:

VBUS & GND PINS AND OTHER PINS: 40MΩ/PIN MAX.

SHIELD:50MΩ/MAX.

LCR MAX. CHANGE OF ALL PINS: 10MΩ.

1-4.INSULATION RESISTANCE: 100MΩ MIN

1-5.DIELECTRIC WITHSTAND VOLTAGE:AC 100V FOR 1 MINUTE.

2.MECHANICAL PERFORMANCE.

2-1.INSERTION FORCE: 5~20N.

2-2.EXTRACTION FORCE: 8~20N.

2-3.DURABILITY: 10000 CYCLES.

3.ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25℃~+85℃.

4.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260℃.

5.COMPLIANCE WITH ROHS REQUIREMENTS.

6.SALT SPRAY:48H

7. With ▲ for the key control size

8. PART NUMBER CODE:

TC146-16 C B 12 R - 02

(1) (2) (3)

(1) HOUSING MATERIAL:

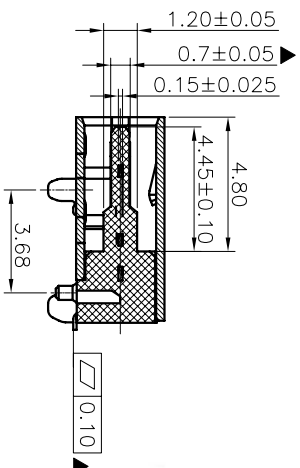
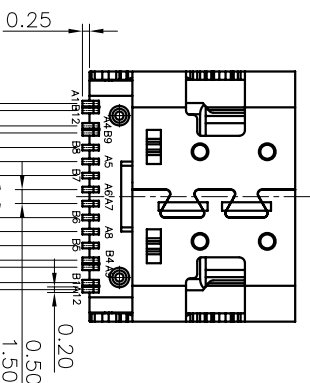
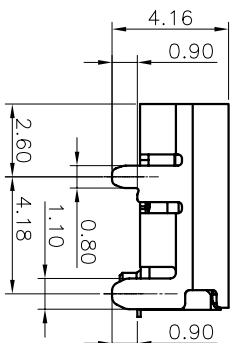
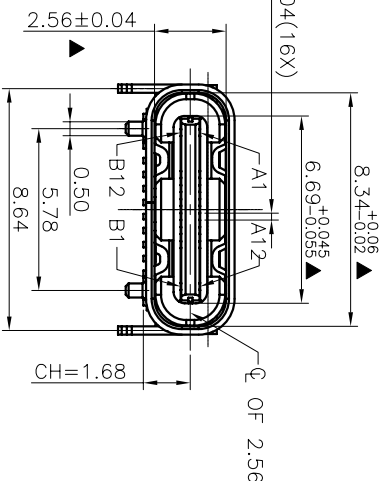
C:PA9T

(2) HOUSING COLOR:

B:BLACK

(3) CONTACTS PLATED:

12:接触鍍金3u"其它Gf"



SECTION:A-A

TABLE:

NO	PART	QTY	Material
1	SHELL	1	STAINLESS STEEL 304, BLACK NI 30u" MIN PLATED
2	Mid Plate	1	STAINLESS STEEL 301, NO PLATED
3	CONTACT	16	COPPER STEEL C18400,4u 3u"Plated On Vontact Area GF Plated On Solder Area,nickel 50u"Min Underplating Over All.
4	IMD HOUSING	1	PA9T BLACK UL94 V-0
5	2MD HOUSING	1	PA9T BLACK UL94 V-0

PART NO.:

DRAWN BY:

SEE THE PART NUMBER CODE

K.DING

GENERAL TOLERANCES

CHECKED BY:

S.L.LI

APPROVED BY:

W.P.LU

W.P.LU

± 0.10

± 0.25

± 0.30

± 0.30

ANGULAR ± --°

UNIT mm

SCALE 1:1

SHEET NO. 1 OF 2

DWG.NO. TC146-16C B12R-02

HON YUAN

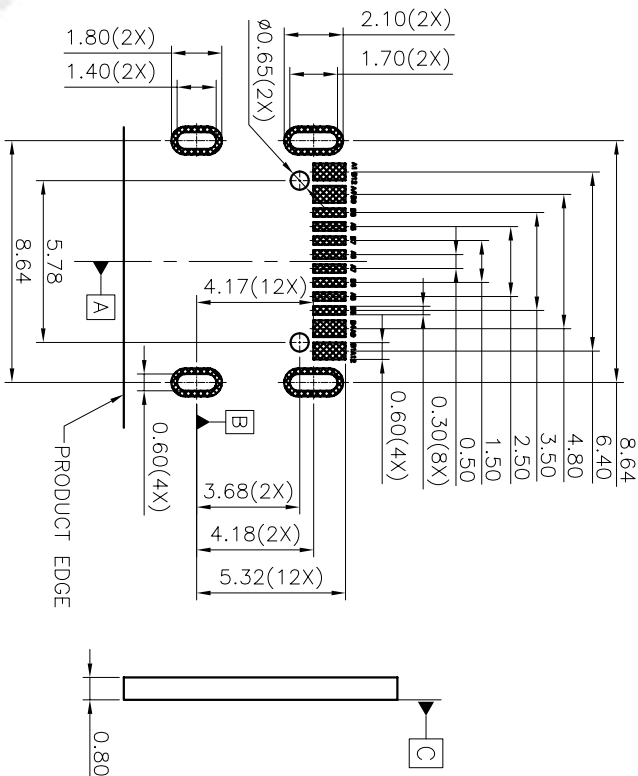
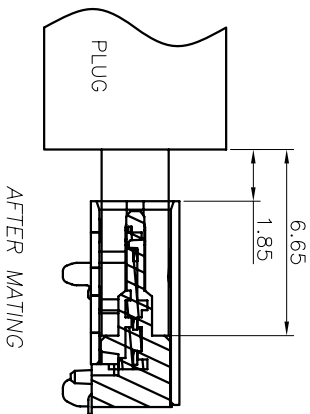
HON YUAN PRECISION IND. CO.,LTD.

SHENZHEN, CHINA, R.O.C.

USB TC 16PIN (L=7.35)WITH POST外壳带弹片



REV	ECN No.	DATE	REMARK
A	NEW	2019.01.10	NEW RELEASE
B	ECN2001005	2020.01.13	更新图纸
C	---	2024.02.20	更新新图框



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

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

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 ± ---	S.L.I	TITLE
x.xxx ± 0.10	APPROVED BY:	USB TC 16PIN (L=7.35)WITH POST外壳带薄片
x.xx ± 0.25	W.P.LU	UNIT
x.x ± 0.30		mm
ANGULAR ± ---°		SCALE
		1:1
		SHEET NO.
		2 OF 2
		DWG.NO.
		TG46-16C212R-02