

REV	ECN No.	DATE	REMARK
A	NEW	2023.08.12	NEW RELEASE
B	---	2023.09.25	图框更新

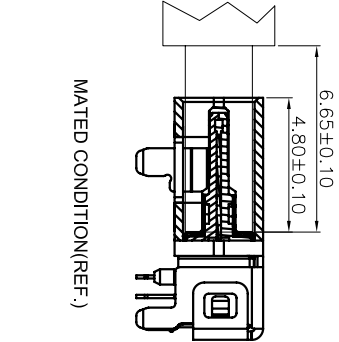
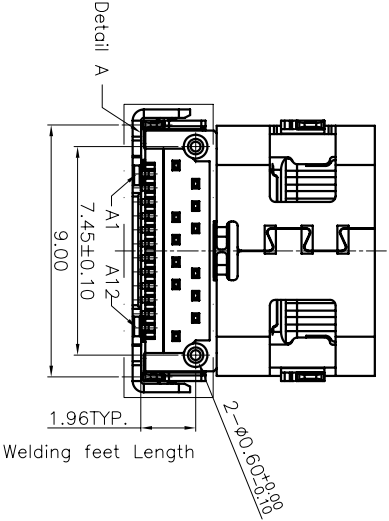
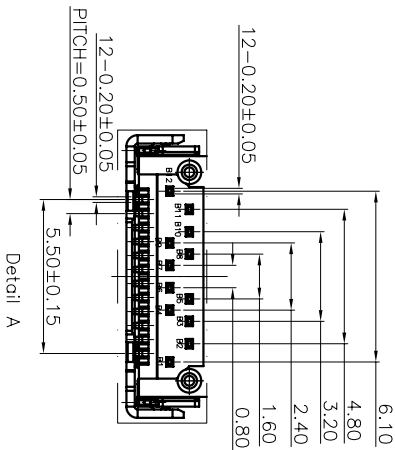
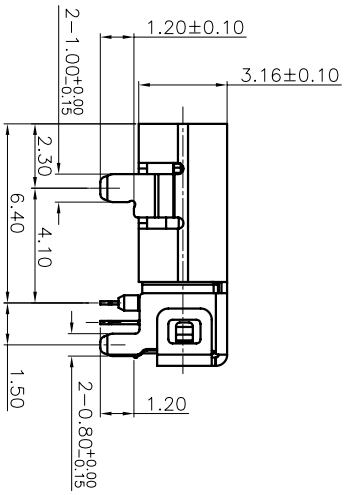
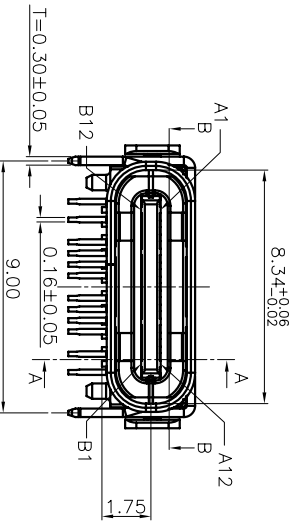
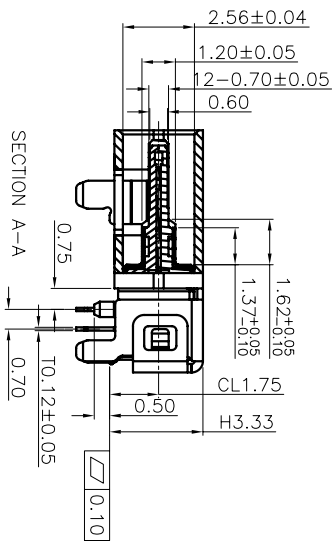
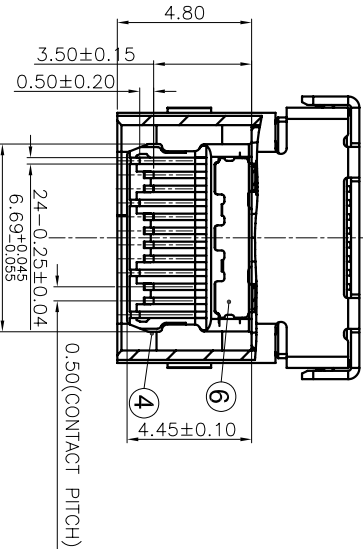
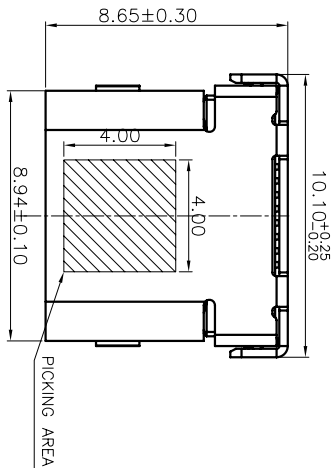
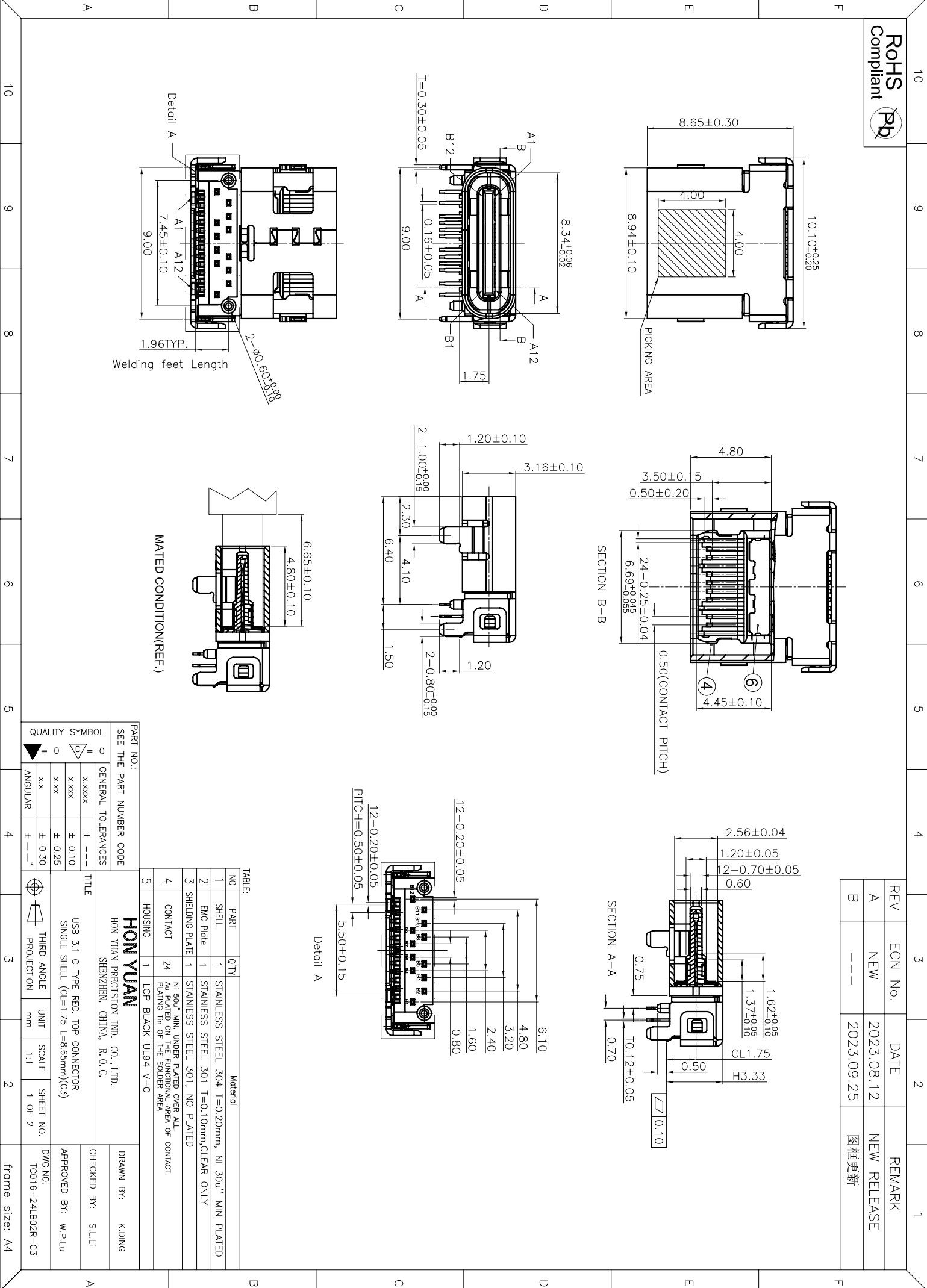


TABLE:			Material	
NO	PART	QTY		
1	SHELL	1	STAINLESS STEEL 304 T=0.20mm, NI 30U" MIN PLATED	
2	EMC Plate	1	STAINLESS STEEL 301 T=0.10mm,CLEAR ONLY	
3	SHIELDING PLATE	1	STAINLESS STEEL 301, NO PLATED	
4	CONTACT	24	NI 50U" MIN. UNDER PLATED OVER ALL EXPOSED ON FUNCTIONAL AREA OF CONTACT. Plating Tn OF THE SOLDER AREA	
5	HOUSING	1	LCP BLACK UL94 V-0	

PART NO.:		HON YUAN	
SEE THE PART NUMBER CODE		HON YUAN PRECISION IND. CO., LTD.	
GENERAL TOLERANCES		SHENZHEN, CHINA, R.O.C.	
TITLE		USB 3.1 C TYPE REC. TOP CONNECTOR	
SINGLE SHELL (CL=1.75 L=8.65mm)(C3)		APPROVED BY: W.P.LU	
THIRD ANGLE PROJECTION		DWG NO. TC016-24LB02R-C3	
UNIT mm		SCALE 1:1	
SHEET NO. 1 OF 2		SHEET NO. 1 OF 2	

QUALITY SYMBOL		DRAWN BY: K.DING	
SEE THE PART NUMBER CODE		CHECKED BY: S.L.LI	
GENERAL TOLERANCES		DRAWN BY: K.DING	
TITLE		CHECKED BY: S.L.LI	
SINGLE SHELL (CL=1.75 L=8.65mm)(C3)		APPROVED BY: W.P.LU	
THIRD ANGLE PROJECTION		DWG NO. TC016-24LB02R-C3	
UNIT mm		SCALE 1:1	
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- 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: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°C~+85°C.
- 4.IR REFLOW:
- THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.
- 5.COMPLIANCE WITH ROHS REQUIREMENTS.
- 6.SALT SPRAY:24H

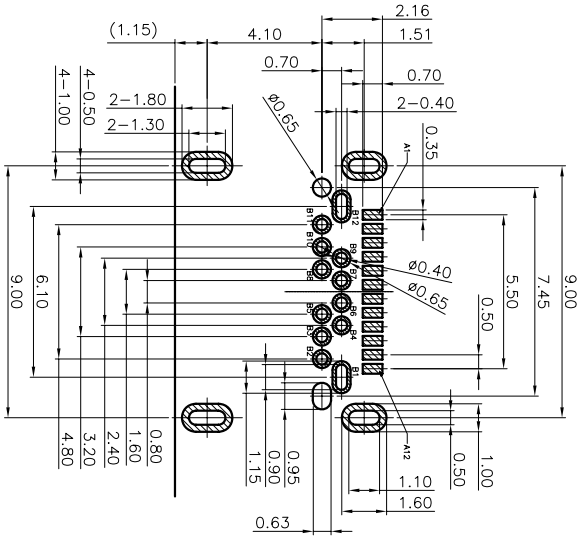
8.PART NUMBER CODE:

TC 016 - 24 X X XX R
(1)(2) (3) (4) (5)

- (1) Pin No.:
24:24Pin
- (2) HOUSING MATERIALS:
L:LOP
- (3) HOUSING COLOR:
B:BLACK
- (4) CONTACTS PLATED:
02:半金鍍3u"
- (5) PACKING OPTIONS
R:TAPE & REEL

PIN DEFINITION:

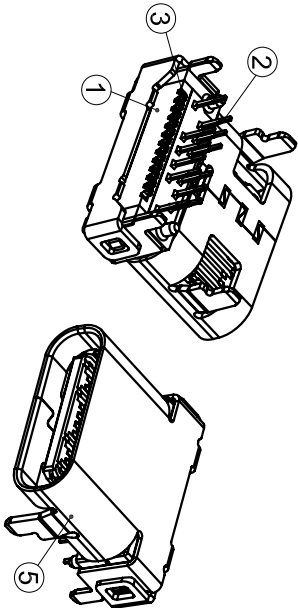
PIN No.	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND	
GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND	
PIN No.	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1



RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS ±0.05

KEEP OUT AREA



PART NO.:		HON YUAN		DRAWN BY: K.DING	
SEE THE PART NUMBER CODE		HON YUAN PRECISION IND. CO., LTD.		CHECKED BY: S.Li	
GENERAL TOLERANCES		TITLE		APPROVED BY: W.P.Lu	
x.xxx		± ---		THIRD ANGLE	
x.xxx		± 0.10		PROJECTION	
x.xx		± 0.25		UNIT mm	
x.x		± 0.50		SCALE 1:1	
ANGULAR		± ---°		SHEET NO. 2 OF 2	
QUALITY		SYMBOL		DWG NO. TC016-24LB02R-C3	
=		=		frame size: A4	