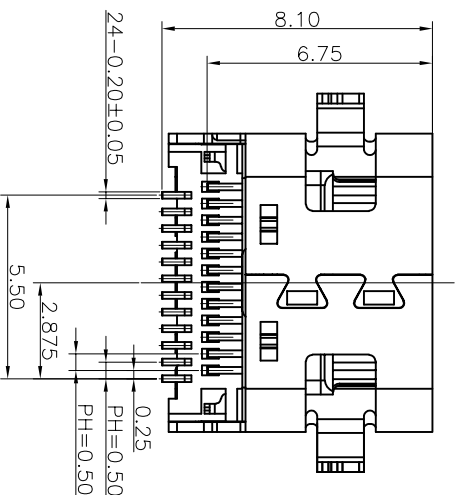
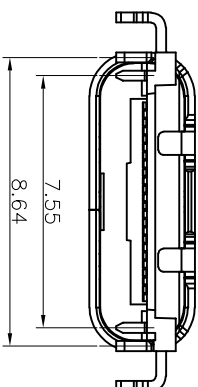
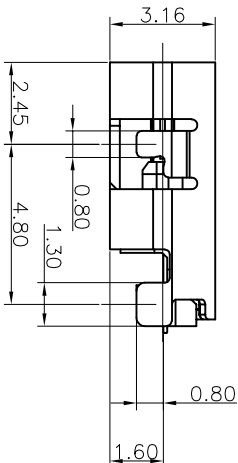
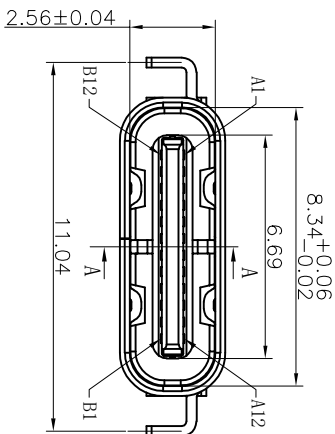
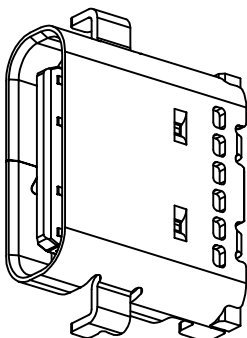
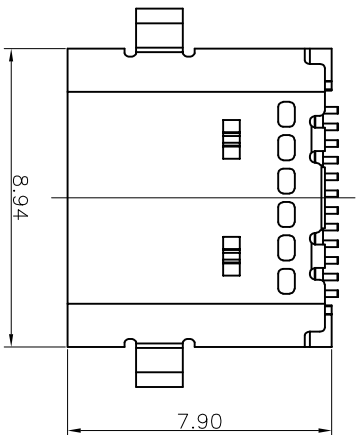


SECTION A-A
SCALE 1:1

NOTE:

1 MATERIAL SPECIFICATION:

- 1-1 HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC UL94 V-0.
- 1-2 TERMINAL: COPPER ALLOY
- 1-3 MID PLATE: STAINLESS STEEL(SUS301 T=0.15mm)
- 1-4 FRONT SHELL: STAINLESS STEEL(SUS304 T=0.3mm)
- 1-5 EMI PLATE: STAINLESS STEEL(SUS304 T=0.10mm)

2 PLATING SPECIFICATION:

- 2-1 TERMINAL: Ni 50u" MIN. UNDER PLATED OVER ALL. Au PLATED ON THE FUNCTIONAL AREA OF CONTACT. (GOLD PLATING THICKNESS FOLLOW THE P/N)
- 2-2 FRONT SHELL: Ni 30u" MIN. UNDER PLATED OVER ALL.
- 2-3 MID PLATE
- 2-4 EMI PLATE:

3 MECHANICAL PERFORMANCE:

- 3-1 INSERTION FORCE: 0.5~2.0kgf.
- 3-2 REMOVAL FORCE: 0.8kgf~2.0kgf.
- 3-3 DURABILITY: 10000 CYCLES.

4 ELECTRICAL PERFORMANCE:

- 4-1 VOLTAGE RATING: 5V/20V DC/AC (RMS. max)
- 4-2 CURRENT RATING: 5 AMPS. FOR TOTAL VBUS/GND PINS; 1.25AMPS FOR CC PIN. 0.25 AMPS. FOR ALL OTHER CONTACT.
- 4-3 SHIELD: 50me/MAX.
- 4-4 LCR MAX. CHANGE OF ALL PINS: 10ma.
- 4-5 INSULATION RESISTANCE: 100MΩ MIN.
- 4-6 DIELECTRIC WITHSTAND VOLTAGE: AC 100V FOR 1 MINUTE.

5 ENVIRONMENTAL PERFORMANCE:

- 5-1 OPERATING TEMPERATURE: -25°C~+85°C.
- 5-2 AIR REFLOW: THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

7. PART NUMBER CODE (产品型号)

FY23-16CF X X X X - 1 X

HOUSING MATERIAL

- 1=P/A
- 2=LCP

HOUSING COLOR

- B=BLACK
- W=WHITE

How many PIN

CONTACT PLATING
01=1U
02=PLATED GOLD 3u"
03=PLATED GOLD 15u"
04=PLATED GOLD 30u"

PACKAGE TYPE

FOKING 广东富盈兴业精密科技实业有限公司
Guangdong FUYOU Precision Electronic Technology Co.,LTD.

CUSTOMER DRAWING

GENERAL TOLERANCE

- X. ±0.20
- .XX ±0.15
- .XXX ±0.10

ANGEL TOLERANCE

- X. ±3°
- .XX ±2°
- .XXX ±1°

DRAWING

APPROVED

P/N:

DATE

NO.

UNIT

SCALE

SIZE

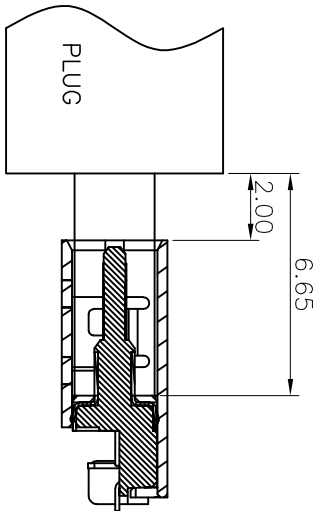
A4

SHEET

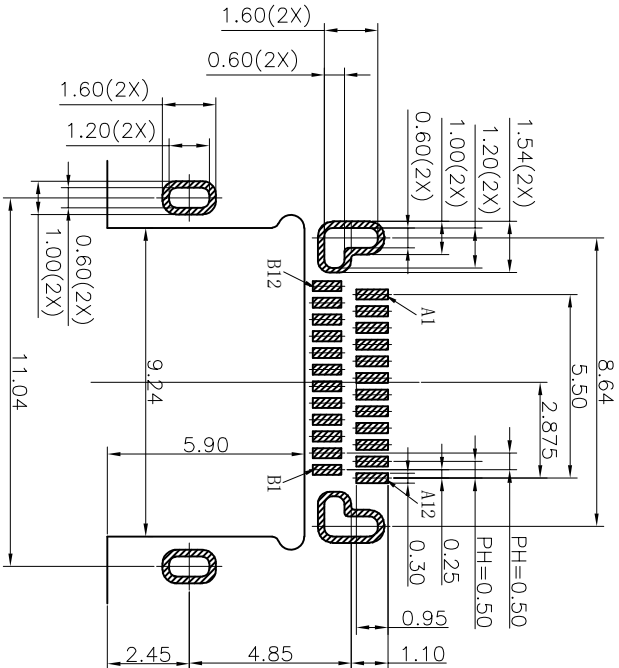
2012

REV

X4



AFTER MATING

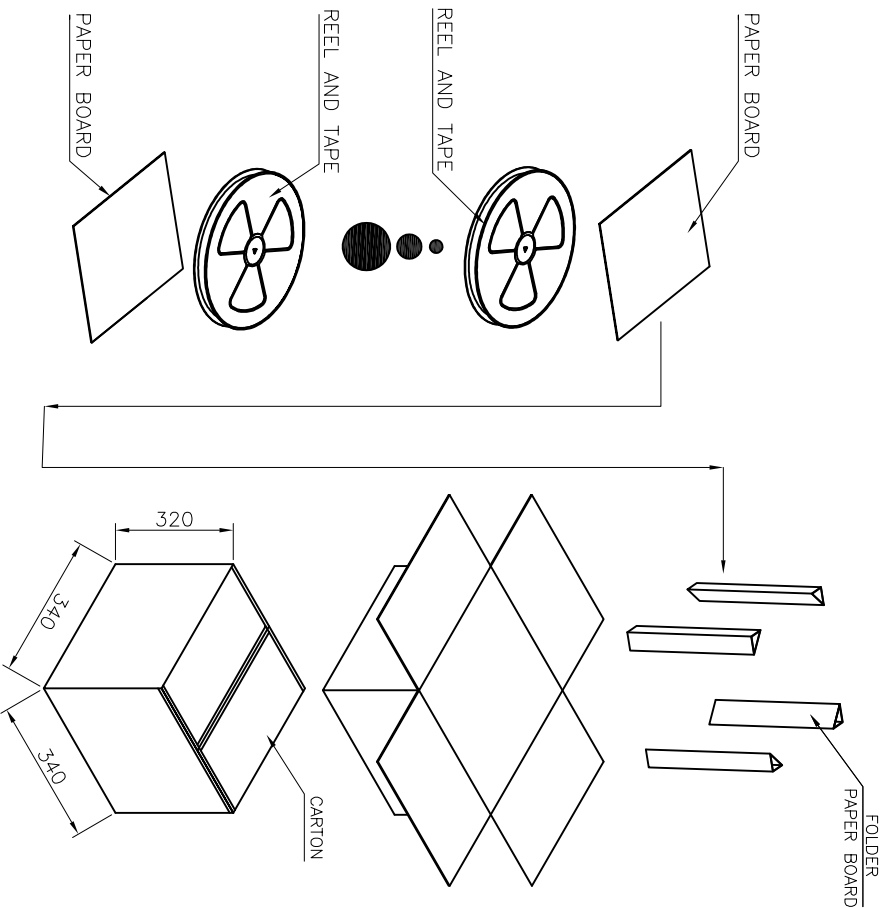
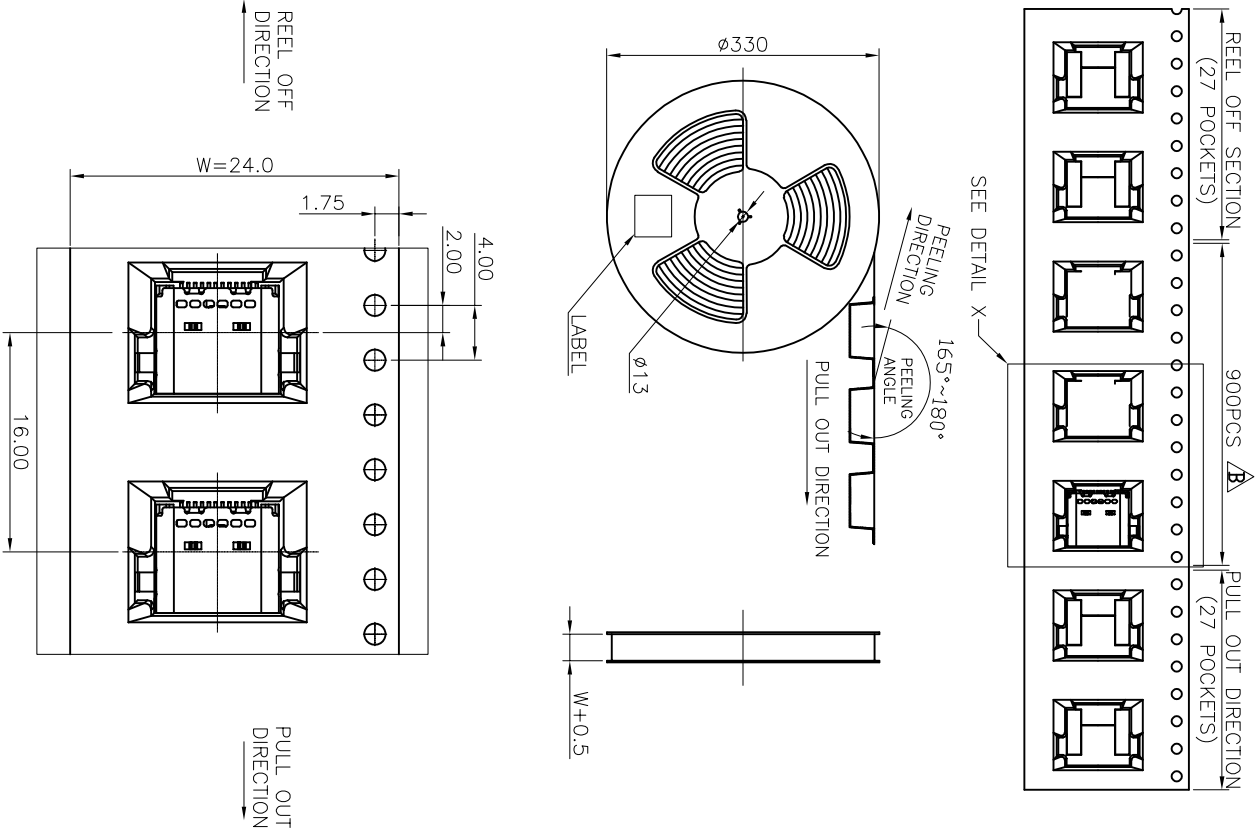


RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ±0.05

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

CUSTOMER DRAWING		Fokings 广东富盈兴业精密科技实业有限公司 专业代工 精益求精 Guangdong FUYOU Precision Electronic Technology Co.,LTD.					
GENERAL TOLERANCE		DRAWING	TITLE:		TYPE C母座24PIN双排沉板1.6		
X. ±0.20		APPROVED	P/N:		FY23-16CF2B2401-1X		
.XX ±0.15			DATE		DRAWING NO.		
.XXX ±0.10					FY-UC35-01		
ANGEL TOLERANCE		DATE	2023.07.10				
X. ±3°			UNIT	mm	SCALE	1:1	
.XX ±2°			SIZE	A4	SHEET	2012	
.XXX ±1°			REV	X4			



CONNECTOR (PCS)		REEL	CARTON
		900	9000

CUSTOMER DRAWING		FOKING 广东富盈兴业精密科技实业有限公司 Guangdong FUYOU Precision Electronic Technology Co.,LTD.			
GENERAL TOLERANCE	X	DRAWING	TITLE:	TYPE C母座24PIN双排沉板1.6	
.X	±0.20	APPROVED	P/N:	FY23-16CF2B2401-1X	
.XX	±0.15				
.XXX	±0.10	DATE	DRAWING NO.	FY-UC35-01	
ANGEL TOLERANCE	X, ±3°	2023.07.10			
.XX	±2°				
.XXX	±1°				
		UNIT	SCALE	SIZE	A4 SHEET
		mm	1:1	2012	REV X4