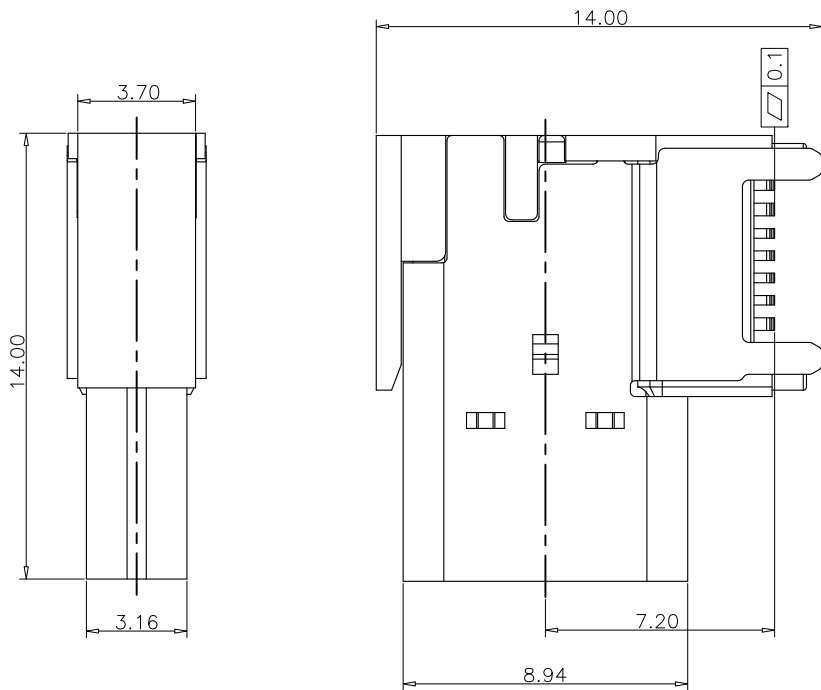


Specifications

A. Material

Insulator: LCP, UL94 V-0, Black
Contact: Copper Alloy, T=0.15mm
Mid Plate: Stainless Steel, T=0.15mm
Shell: Stainless Steel, T=0.30mm

B. Plating

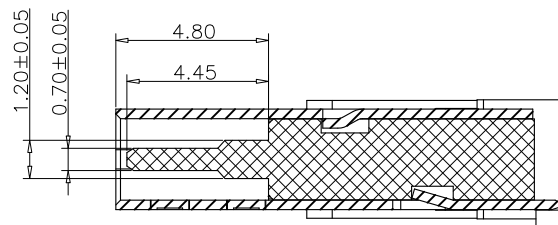
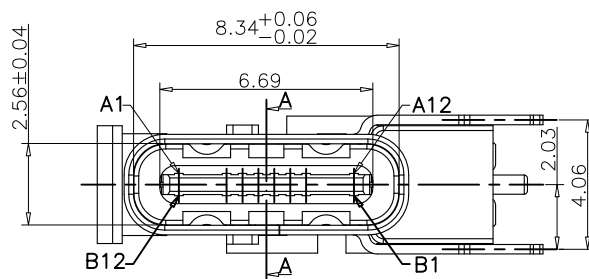
Contact Area: 1u" Au over 50u' min. Nickel
Solder Tails: 1u" Au over 50u' min. Nickel
Shell: 80u" min. Nickel
Mid Plate: No Plating

C. Electrical

Current Rating: 5.00A collectively for VBus & GND pins
1.25A for A5/B5 pins
0.25A for all other pins
Voltage Rating: 48V
Power Rating: 240W
Contact Resistance: 40mΩ max initial
50mΩ max after test
Dielectric Withstanding Voltage: 100V AC
Insulation Resistance: 100MΩ min.

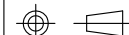
D. Mechanical & Environmental

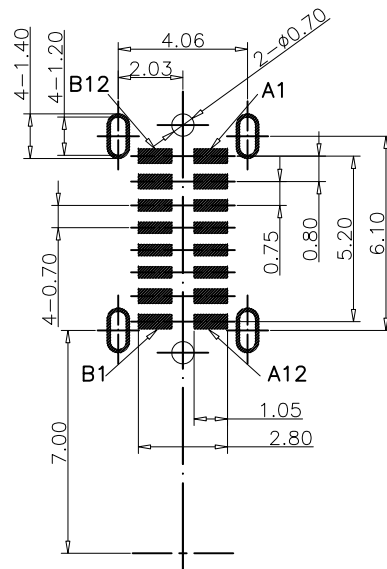
Operating Temperature: -25℃ to +85℃
Mating Force: 5 to 20 N.
Unmated Force: 6 to 20 N after test
Durability: 10,000 cycles



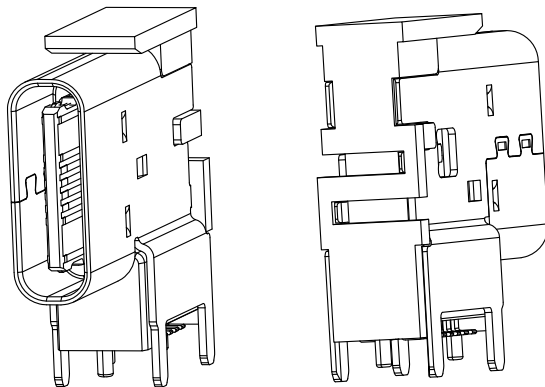
SECTION A-A
SCALE 1:1

Part Number			Product Description			
PTCFW-H22E-005			USB 2.0 Type C Receptacle, Flag Type, Dual Row SMT, CH=7.2mm, PCB Top Mount, 16 Pin			
DWG.No.	P-TCF-097		Tolerances Unspecified		Units: Metric(mm)	
Revision	A0		X.X	±0.35	X°	±5°
Designed	Lee	12/05/20	X.XX	±0.25	X.X°	±2°
Approved	Allen	12/05/20	X.XXX	±0.15		



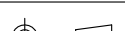


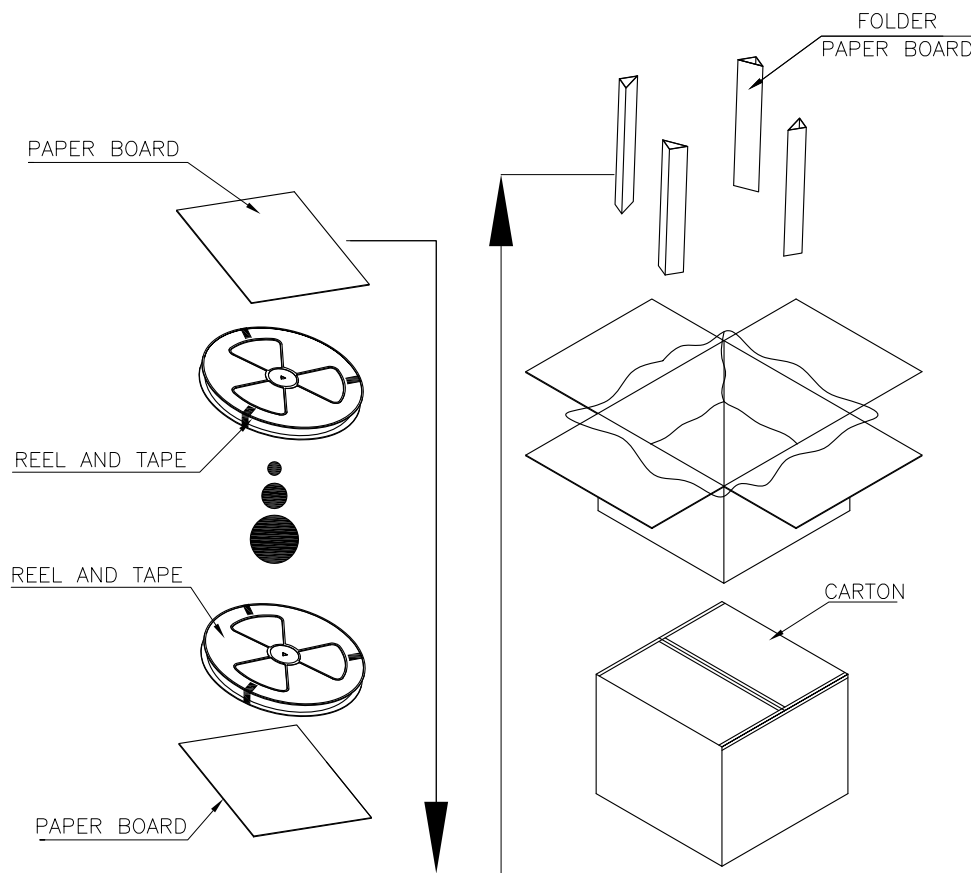
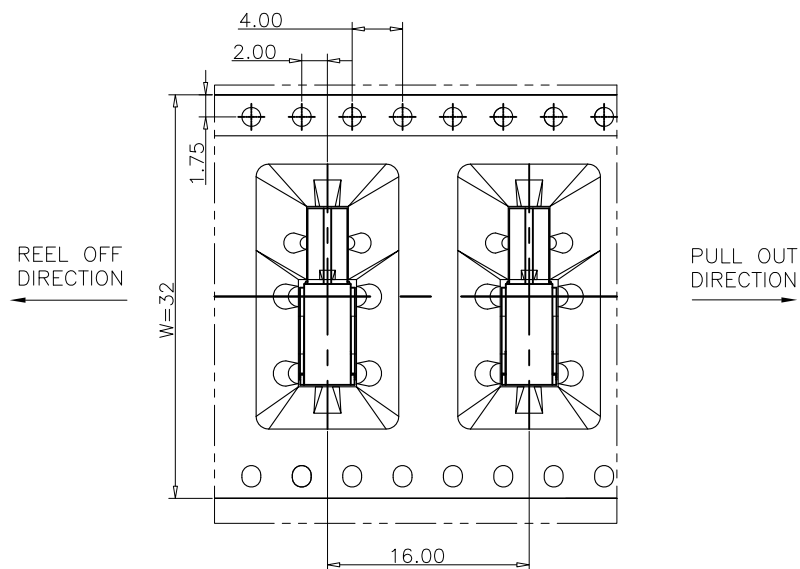
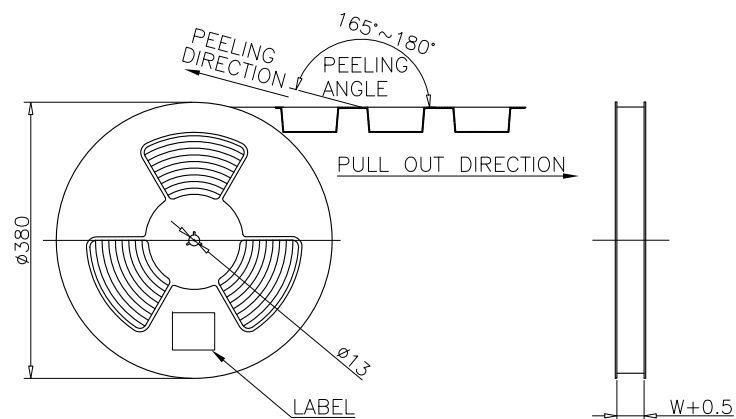
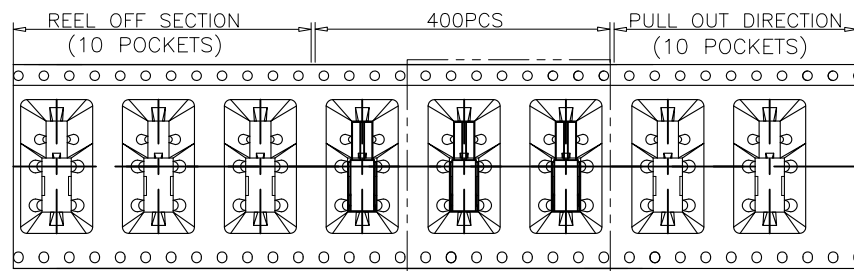
RECOMMENDED PCB LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05



PIN ASSIGNMENTS

PIN	NUMBER	SIGNAL NAME	PIN	NUMBER	SIGNAL NAME
A1		GND	B12		GND
A2		TX1+	B11		TX1+
A3		TX1-	B10		TX1-
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		RX2-	B3		TX2-
A11		RX2+	B2		TX2+
A12		GND	B1		GND

Part Number			Product Description			 <i>Connecting the Future</i> www.szywf.com.cn www.szywf.cn	
PTCFW-H22E-005			USB 2.0 Type C Receptacle, Flag Type, Dual Row SMT, CH=7.2mm, PCB Top Mount, 16 Pin				
DWG.No.	P-TCF-097		Tolerances Unspecified		Units: Metric(mm)		
Revision	A0		X.X ±0.35	X° ±5°			
Designed	Lee	12/05/20	X.XX ±0.25	X.X° ±2°			
Approved	Allen	12/05/20	X.XXX ±0.15				
						Sheet No. 2/3	



	REEL	CARTON
QUANTIT (PCS)	400	3200

Part Number			Product Description		
PTCFW-H22E-005			USB 2.0 Type C Receptacle, Flag Type, Dual Row SMT, CH=7.2mm, PCB Top Mount, 16 Pin		
DWG.No.	P-TCF-097		Tolerances Unspecified		
Revision	A0		X.X	±0.35	X° ±5°
Designed	Lee	12/05/20	X.XX	±0.25	X.X° ±2°
Approved	Allen	12/05/20	X.XXX	±0.15	

Units:
Metric(mm)

