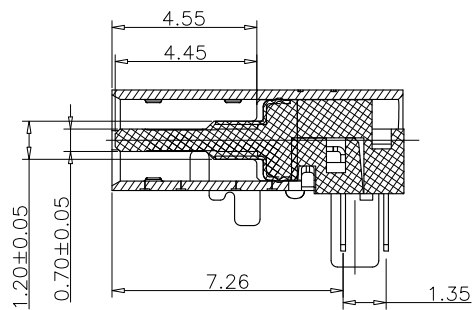
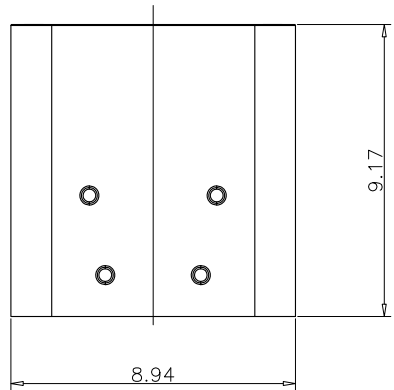


A



SECTION A-A
SCALE 1:1

Specifications

A. Material

Insulator: LCP, UL94 V-0, Black
Contact: Copper Alloy, T=0.15mm
Mid Plate: Stainless Steel, T=0.15mm
EMI: Stainless Steel, T=0.10mm
Shell: Stainless Steel, T=0.30mm

B. Plating

Contact Area: 1u" Au over 60u' min. Nickel
Solder Tails: Gold Flash over 60u" min. Nickel
Shell: 50u" min. Nickel
EMI: 50u" min. Nickel
Mid Plate: No Plating

C. Electrical

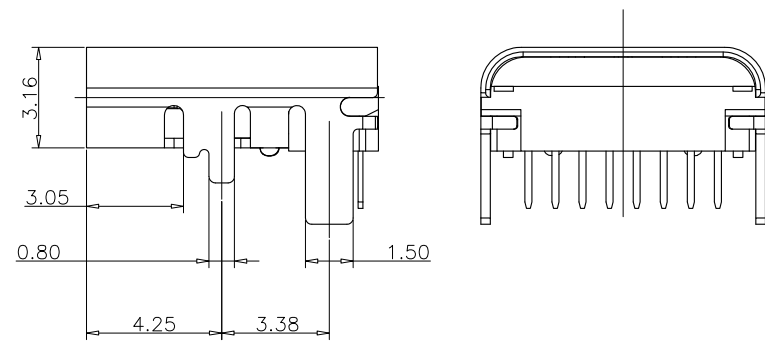
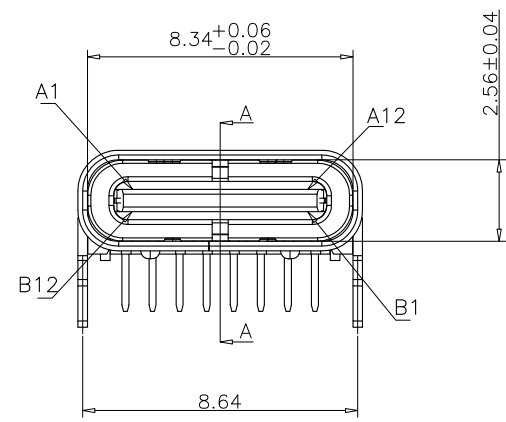
Current Rating: 5.00A collectively for VBus & GND pins
1.25A for A5/B5 pins
0.25A for all other pins

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

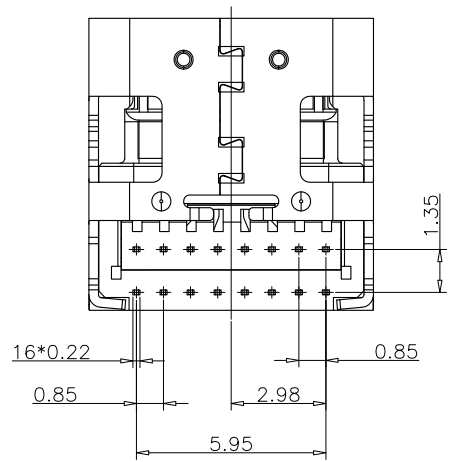
Operating Temperature: -25℃ to +85℃
Mating Force: 5 to 20 N.
Unmated Force: 6 to 20 N after test
Durability: 10,000 cycles

B



C

D



E

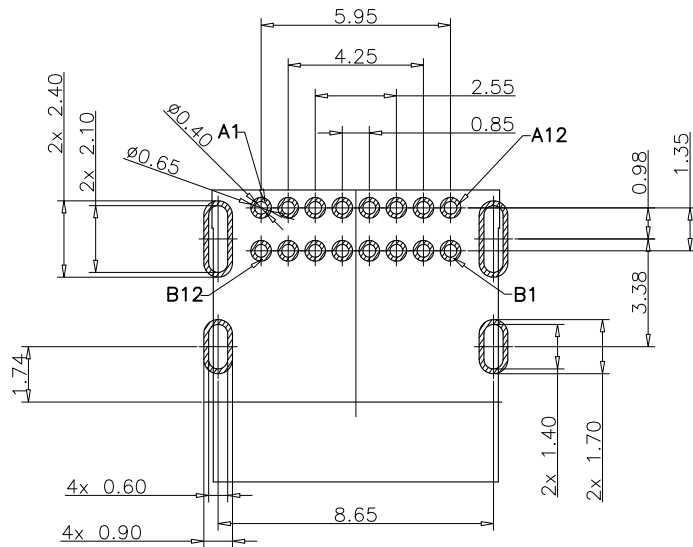
Part Number			Product Description			
PTCFW-H23A-002			USB 2.0 Type C Receptacle, Horizontal, DIP, PCB Top Mount, 16 Pin			
DWG.No.	P-TCF-102		Tolerances Unspecified		Units: Metric(mm)	
Revision	A0		X.X	±0.35		
Designed	Lee	10/10/20	X.XX	±0.25		
Approved	Allen	10/10/20	X.XXX	±0.15		



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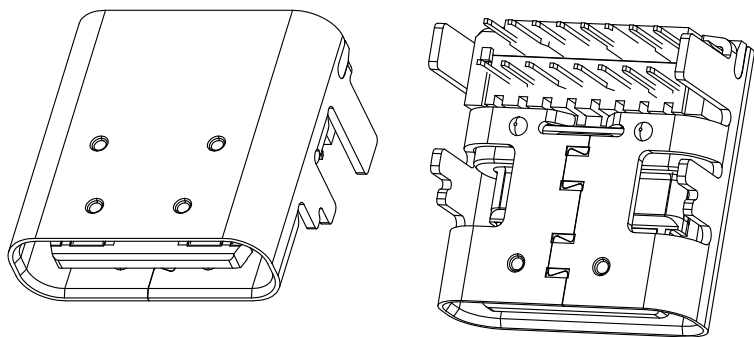
Sheet No. 1/3



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
A4	VBUS	B9	VBUS
A5	CC1	B8	SUB2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND

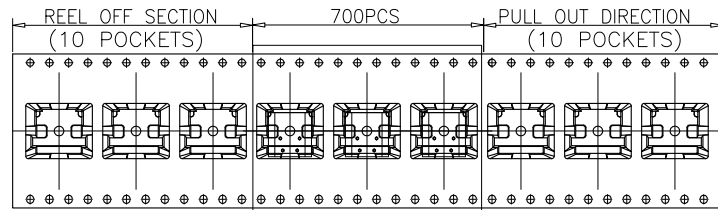


Part Number			Product Description				 Connecting the Future www.szywf.com.cn www.szywf.cn
PTCFW-H23A-002			USB 2.0 Type C Receptacle, Horizontal, DIP, PCB Top Mount, 16 Pin				
DWG.No.	P-TCF-102		Tolerances Unspecified		Units: Metric(mm)		
Revision	A0		X.X ±0.35	X° ±5°			
Designed	Lee	10/10/20	X.XX ±0.25	X.X° ±2°			
Approved	Allen	10/10/20	X.XXX ±0.15				



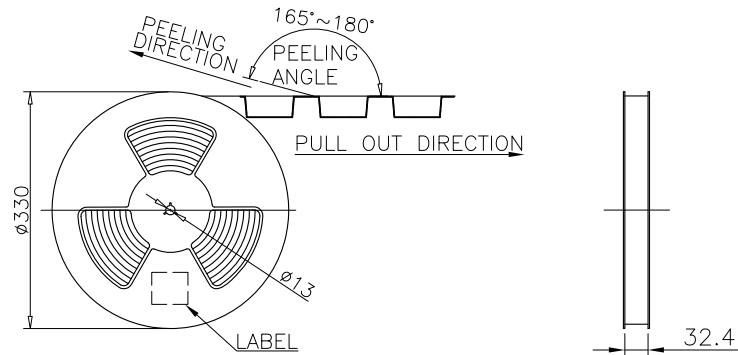
1 2 3 4 5 6 7

A

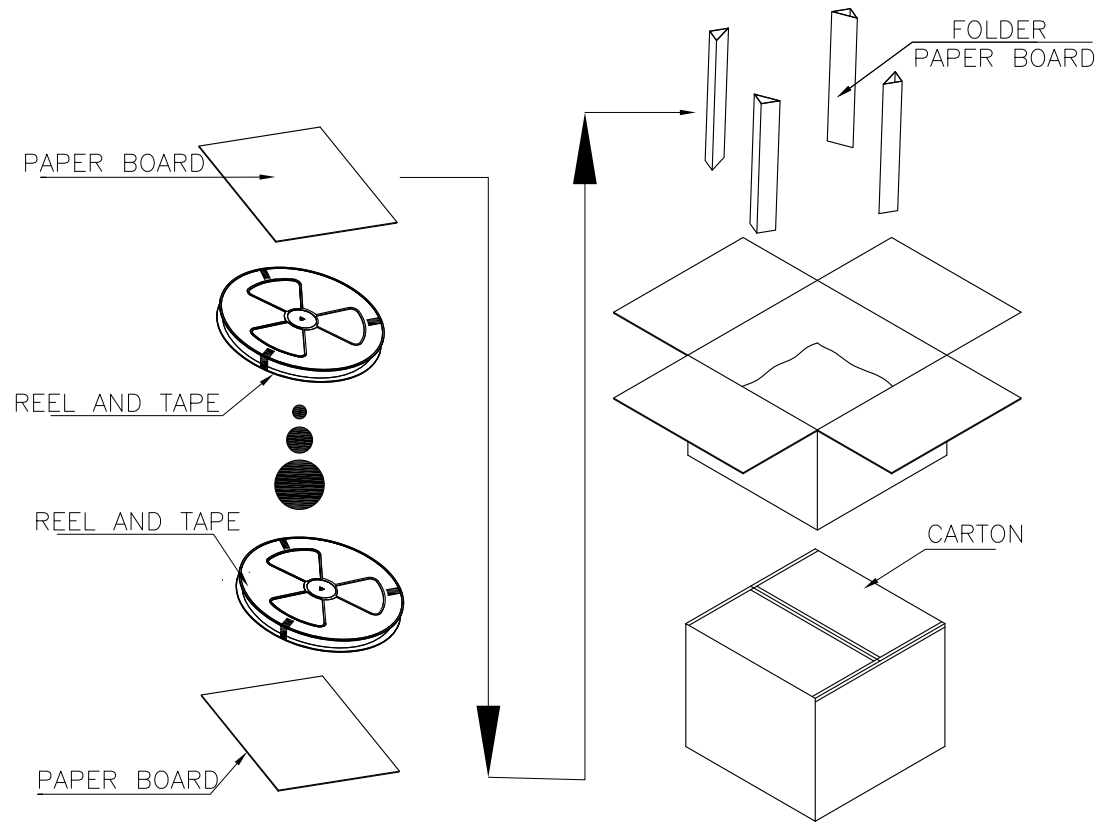


SEE DETAIL X

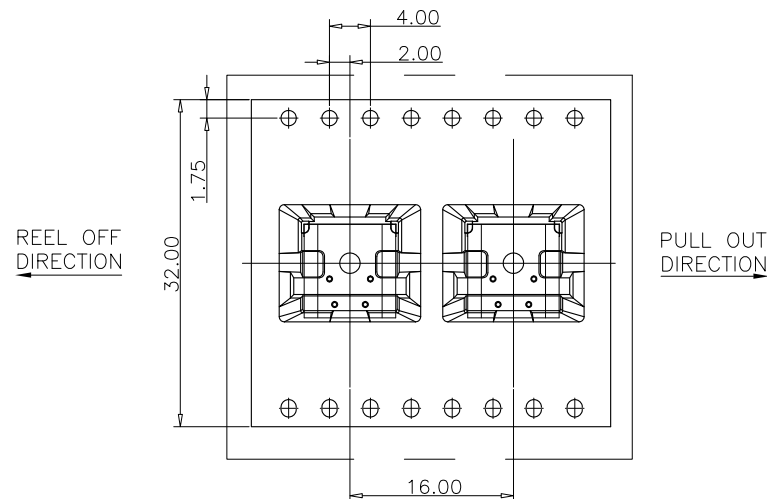
B



C



D



E

1 2 3 4 5 6 7

Part Number			Product Description			 WF <i>Connecting the Future</i> www.szywf.com.cn www.szywf.cn
PTCFW-H23A-002			USB 2.0 Type C Receptacle, Horizontal, DIP, PCB Top Mount, 16 Pin			
DWG.No.	P-TCF-102		Tolerances Unspecified		Units: Metric(mm)	
Revision	A0		X.X ±0.35	X° ±5°	 ROHS COMPLIANT 2011/65/EU Deca-BDEV	
Designed	Lee	10/10/20	X.XX ±0.25	X.X° ±2°		
Approved	Allen	10/10/20	X.XXX ±0.15			

	REEL	CARTON
CONNECTOR (PCS)	700	4900

Sheet No.	3/3
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