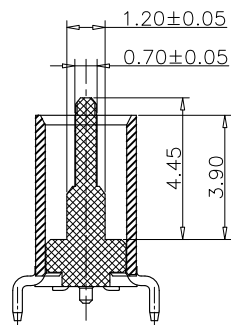
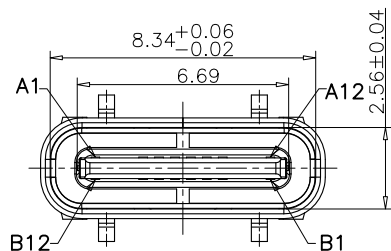
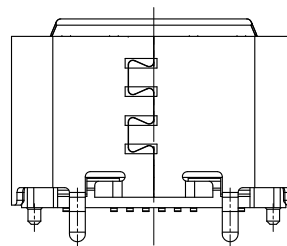
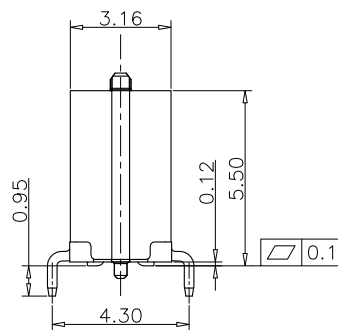
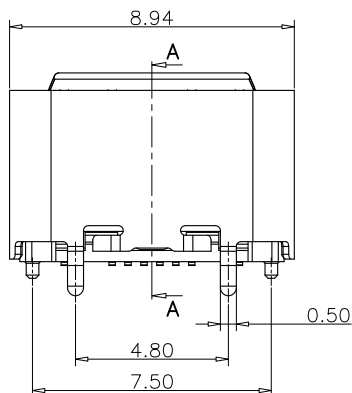


A



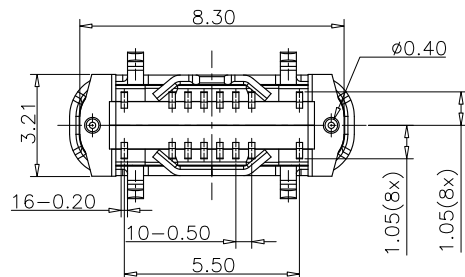
SECTION A-A
SCALE 1:1

B



C

D



Specifications

A. Material

Insulator: LCP, UL94 V-0, Black
Contact: Copper Alloy, T=0.12mm
Mid Plate: Stainless Steel, T=0.15mm
Shell: Stainless Steel, T=0.30mm

B. Plating

Contact Area: 3u" Au over 60u' min. Nickel
Solder Tails: Gold Flash Au over 60u" min. Nickel
Shell: 30u" min. Nickel
Mid Plate: No Plating

C. Electrical

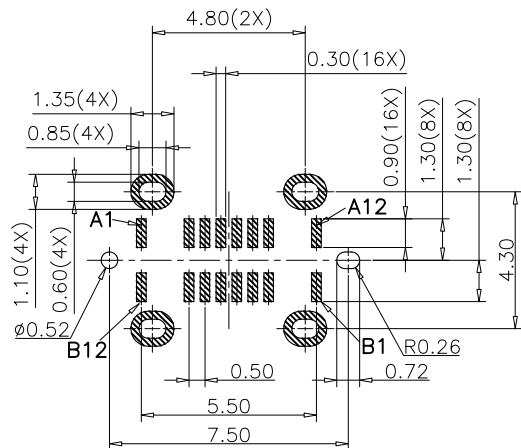
Current Rating: 5.00A collectively for VBus & GND pins
1.25A for A5/B5 pins
0.25A for all other pins
Voltage Rating: 48V
Power Rating: 240W
Contact Resistance: 40mΩ max initial
50mΩ max after test
Dielectric Withstanding Voltage: 100V AC
Insulation Resistance: 100MΩ min.

D. Mechanical & Environmental

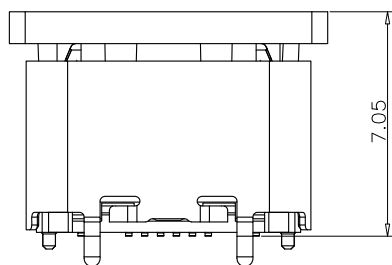
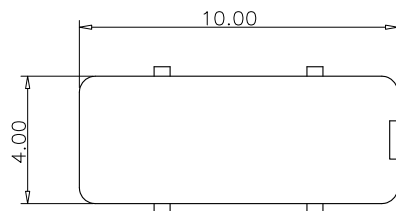
Operating Temperature: -25℃ to +85℃
Mating Force: 5 to 20 N.
Unmated Force: 6 to 20 N after test
Durability: 10,000 cycles

Part Number			Product Description			
PTCFW-R12E-005			USB 2.0 Type C Receptacle, Vertical, SMT, H=6.05mm, 16 Pin			
DWG.No.	P-TCF-053		Tolerances Unspecified		Units: Metric(mm)	
Revision	A0		X.X ±0.35	X° ±5°		
Designed	Lee	12/10/20	X.XX ±0.25	X.X° ±2°		
Approved	Allen	12/10/20	X.XXX ±0.15			

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Sheet No. 1/3



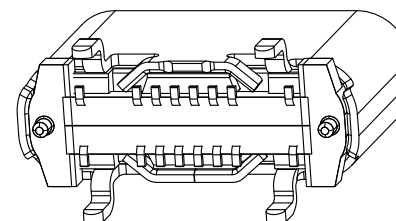
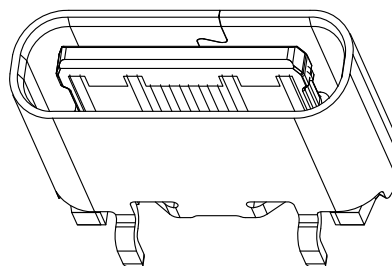
RECOMMENDED PCB LAYOUT (COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05



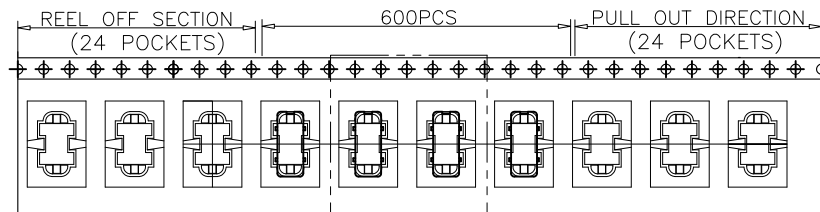
WITH PICK UP COVER
SCALE 1:1

PIN ASSIGNMENTS

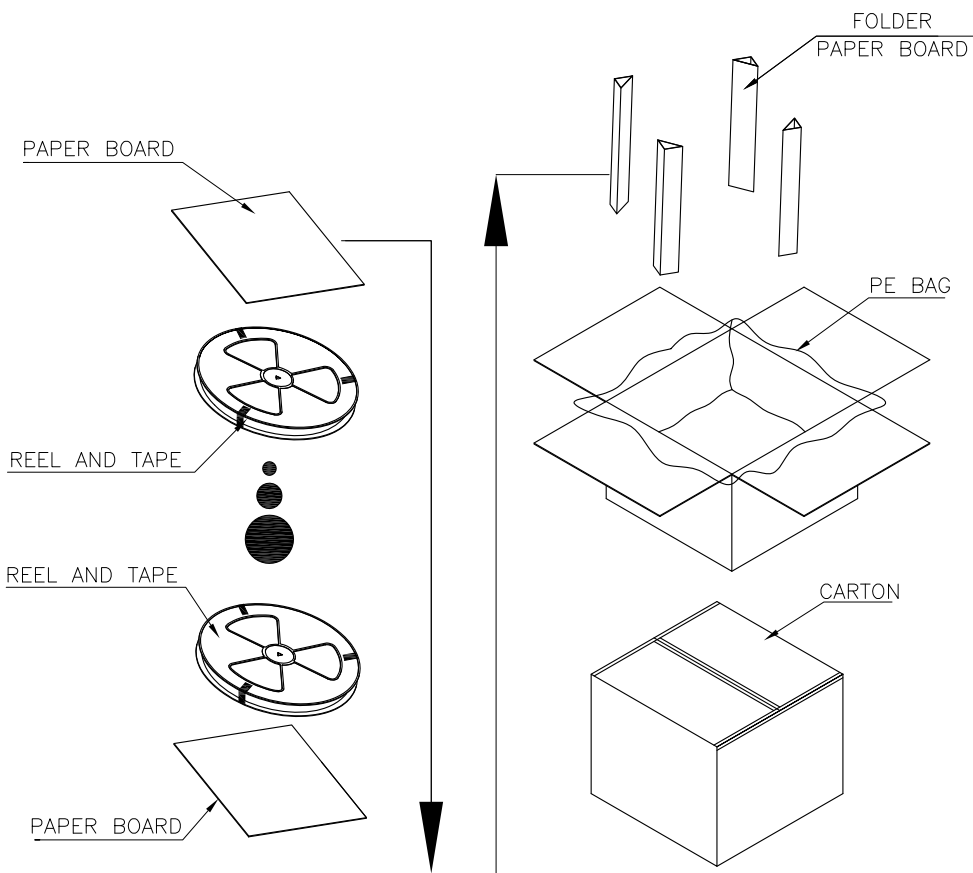
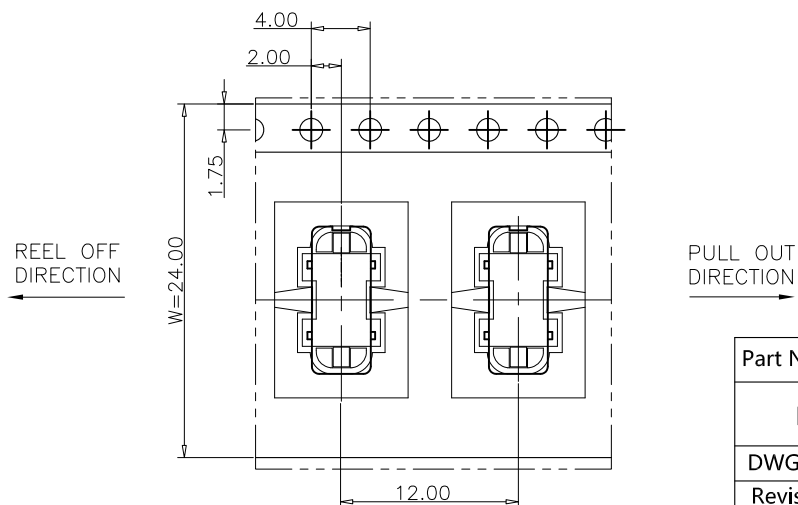
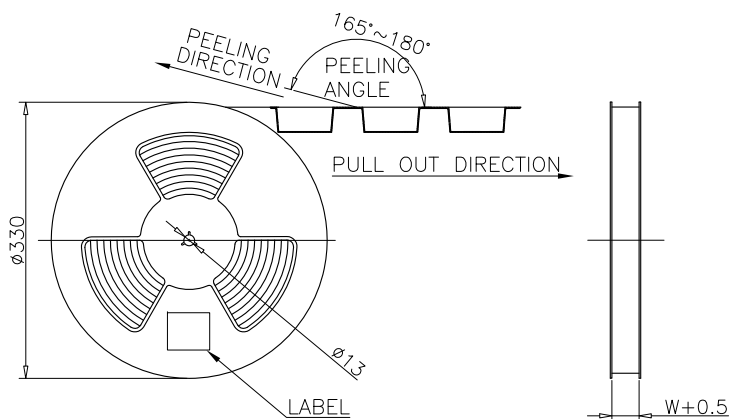
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SUB2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND



Part Number			Product Description			
PTCFW-R12E-005			USB 2.0 Type C Receptacle, Vertical, SMT, H=6.05mm, 16 Pin			
DWG.No.	P-TCF-053		Tolerances Unspecified		Units: Metric (mm)	
Revision	A0		X.X	± 0.35		
Designed	Lee	12/10/20	X.XX	± 0.25		
Approved	Allen	12/10/20	X.XXX	± 0.15		
						www.szywf.com.cn www.szywf.cn
						Sheet No. 2/3



SEE DETAIL X



	REEL	CARTON
QUANTITY (PCS)	600	6000

Part Number			Product Description		
PTCFW-R12E-005			USB 2.0 Type C Receptacle, Vertical, SMT, H=6.05mm, 16 Pin		
DWG.No.	P-TCF-053		Tolerances Unspecified		
Revision	A0		X.X ±0.35	X° ±5°	Units: Metric(mm)
Designed	Lee	12/10/20	X.XX ±0.25	X.X° ±2°	
Approved	Allen	12/10/20	X.XXX ±0.15		

