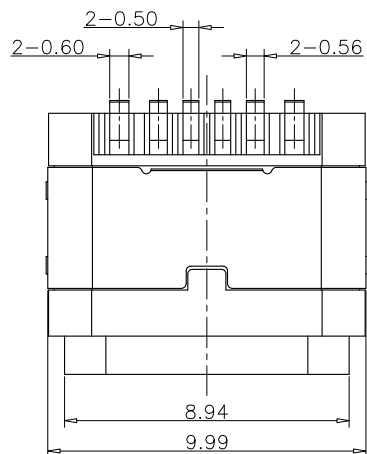


SECTION A-A
SCALE 1:1

Specifications

A. Material

Insulator: LCP, UL94 V-0, Black
Contact: Copper Alloy, T=0.15mm
Mid Plate: Stainless Steel, T=0.15mm
Shell: Stainless Steel, T=0.30mm
Shielded Shell: Stainless Steel, T=0.20mm

B. Plating

Contact Area: 1u" Au over 60u' min. Nickel
Solder Tails: 80u" min. Matte Tin over 60u" min. Nickel
Shielded Shell: 30u" min Nickel.
Shell: 60u" min. Nickel
Mid Plate: No Plating

C. Electrical

Current Rating: 3.00A collectively for VBus & GND pins
1.25A for A5/B5 pins
0.25A for all other pins

Voltage Rating: 20V

Power Rating: 60W

Contact Resistance: 40mΩ max initial
50mΩ max after test

Dielectric Withstanding Voltage: 100V AC

Insulation Resistance: 100MΩ min.

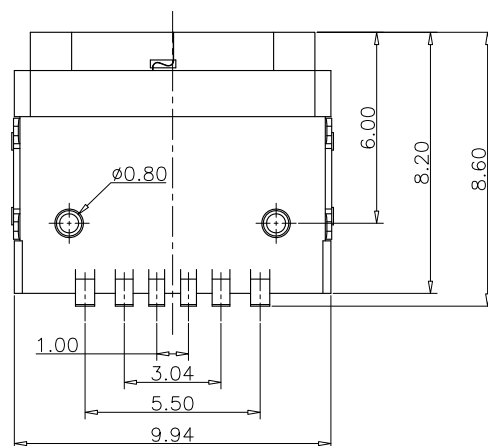
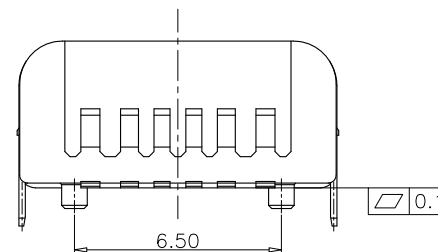
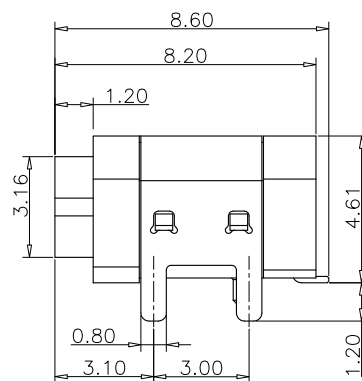
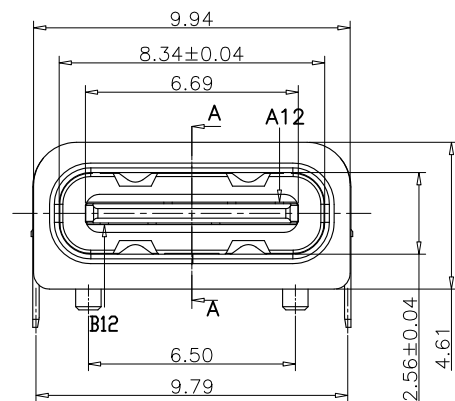
D. Mechanical & Environmental

Operating Temperature: -25℃ to +85℃

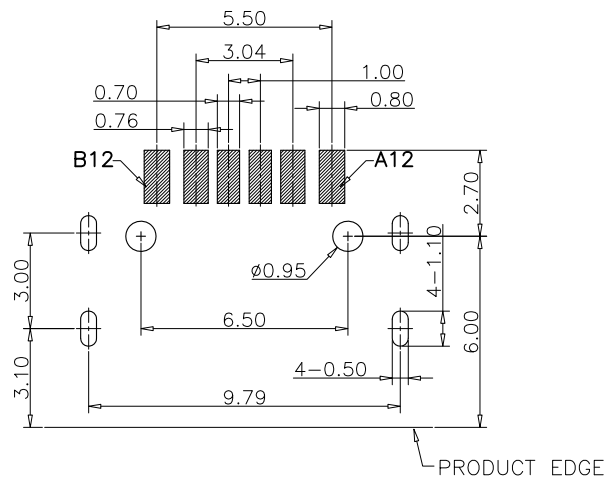
Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

Durability: 10,000 cycles



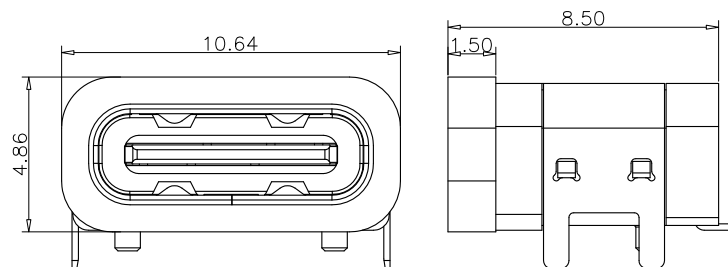
Part Number			Product Description		
PTCFW-H22B-018			USB Type C Receptacle, Horizontal, SMT, PCB Top Mount, IP67, ForPower Charging Only, 6 Pin		
DWG.No.	P-TCF-094		Tolerances Unspecified		Units: Metric(mm)
Revision	A0		X.X ±0.35	X° ±5°	
Designed	Lee	11/30/20	X.XX ±0.25	X.X° ±2°	
Approved	Allen	11/30/20	X.XXX ±0.15		



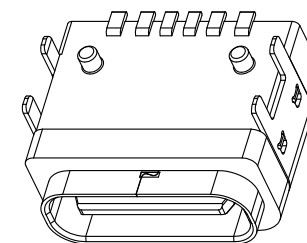
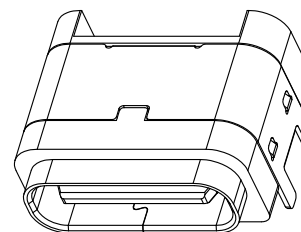
RECOMMENDED PCB LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05

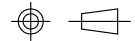
PIN ASSIGNMENTS

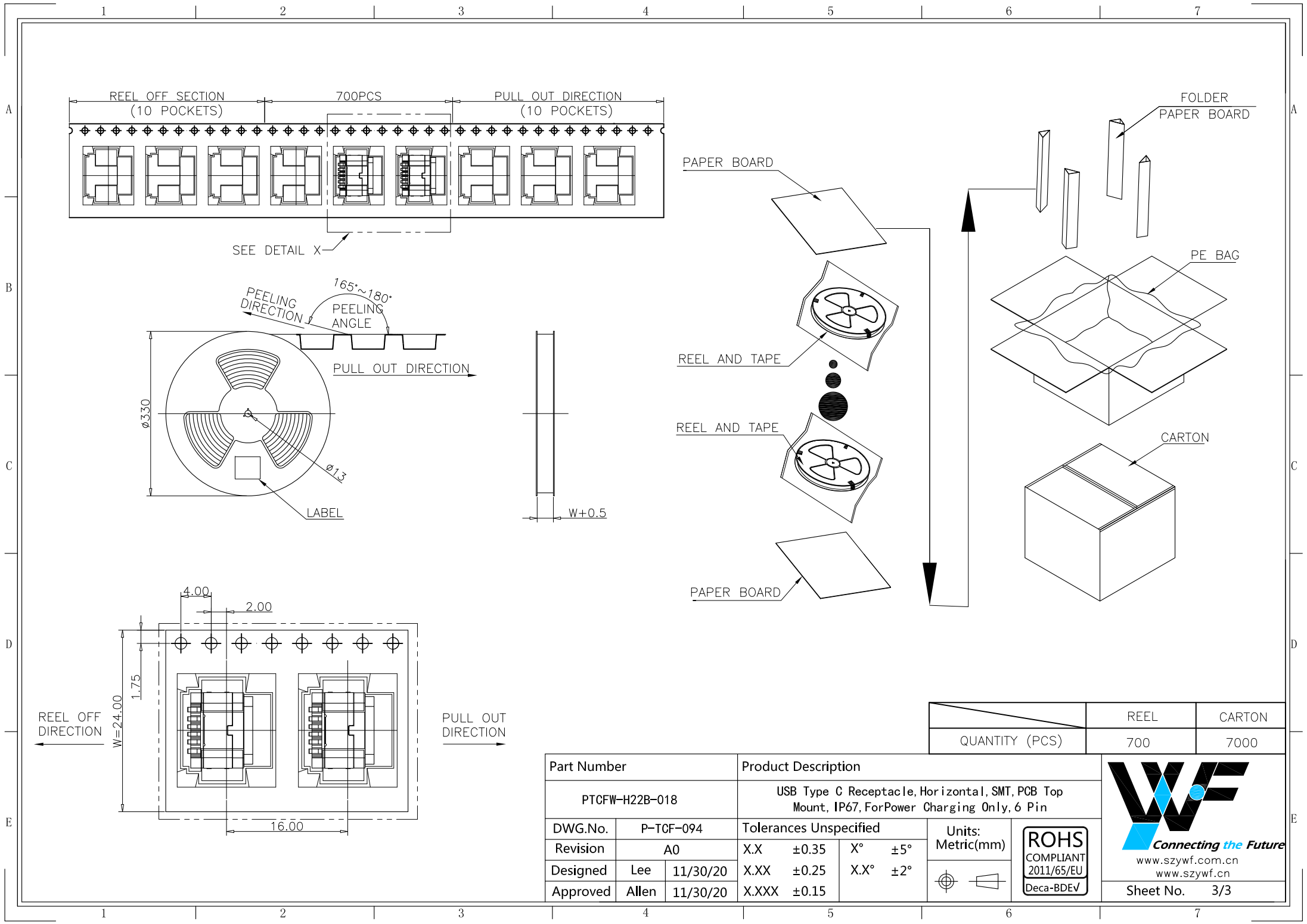
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A5	CC1	B12	GND
A9	VBUS	B9	VBUS
A12	GND	B5	CC2



WITH WATERPROOF RING



Part Number			Product Description		
PTCFW-H22B-018			USB Type C Receptacle, Horizontal, SMT, PCB Top Mount, IP67, ForPower Charging Only, 6 Pin		
DWG.No.	P-TCF-094		Tolerances Unspecified		Units: Metric(mm) 
Revision	A0		X.X	± 0.35	
Designed	Lee	11/30/20	X.XX	± 0.25	
Approved	Allen	11/30/20	X.XXX	± 0.15	
					
					
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	REEL	CARTON
QUANTITY (PCS)	700	7000

Part Number			Product Description		
PTCFW-H22B-018			USB Type C Receptacle, Horizontal, SMT, PCB Top Mount, IP67, ForPower Charging Only, 6 Pin		
DWG.No.	P-TCF-094		Tolerances Unspecified		Units: Metric(mm)
Revision	A0		X.X ±0.35	X° ±5°	
Designed	Lee	11/30/20	X.XX ±0.25	X.X° ±2°	
Approved	Allen	11/30/20	X.XXX ±0.15		

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