

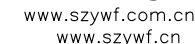
A. Material
Insulator: LCP, UL94 V-0, Black
Contact: Copper Alloy, T=0.12mm
Mid Plate: Stainless Steel, T=0.15mm
Shell: Stainless Steel, T=0.20mm
Shell: Stainless Steel, T=0.30mm
EMI: Stainless Steel, T=0.10mm

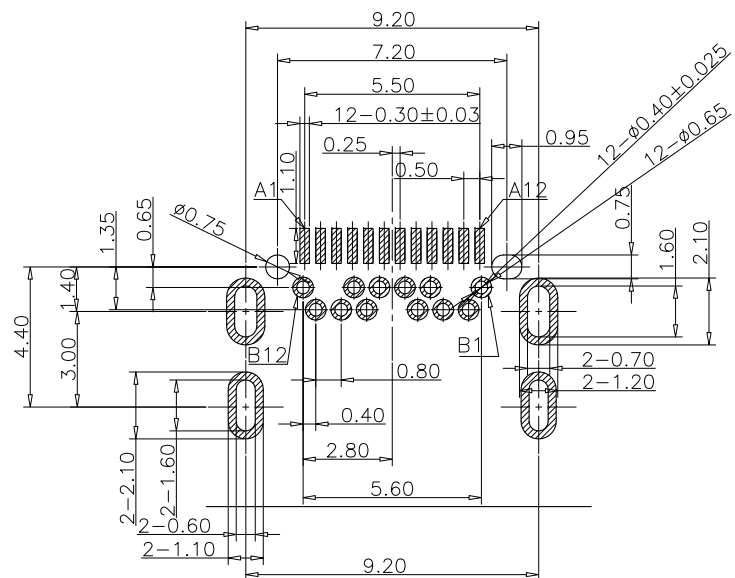
Contact Area: 1u" Au over 60u' min. Nickel
Solder Tails: 50u" min. Matte Tin over 60u" min. Nickel
Shell: 60u" min. Nickel
EMI: 50u" min. Nickel
Mid Plate: No Plating
Down Shell: 60u" min. Nickel

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

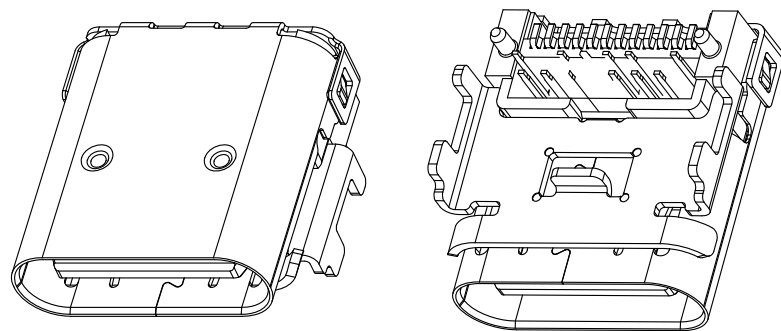
Voltage Rating: 48V
Power Rating: 240W
Contact Resistance: 40mΩ max initial
50mΩ max after test
Dielectric Withstanding Voltage: 100V AC
Insulation Resistance: 100MΩ min.

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





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



PIN ASSIGNMENTS

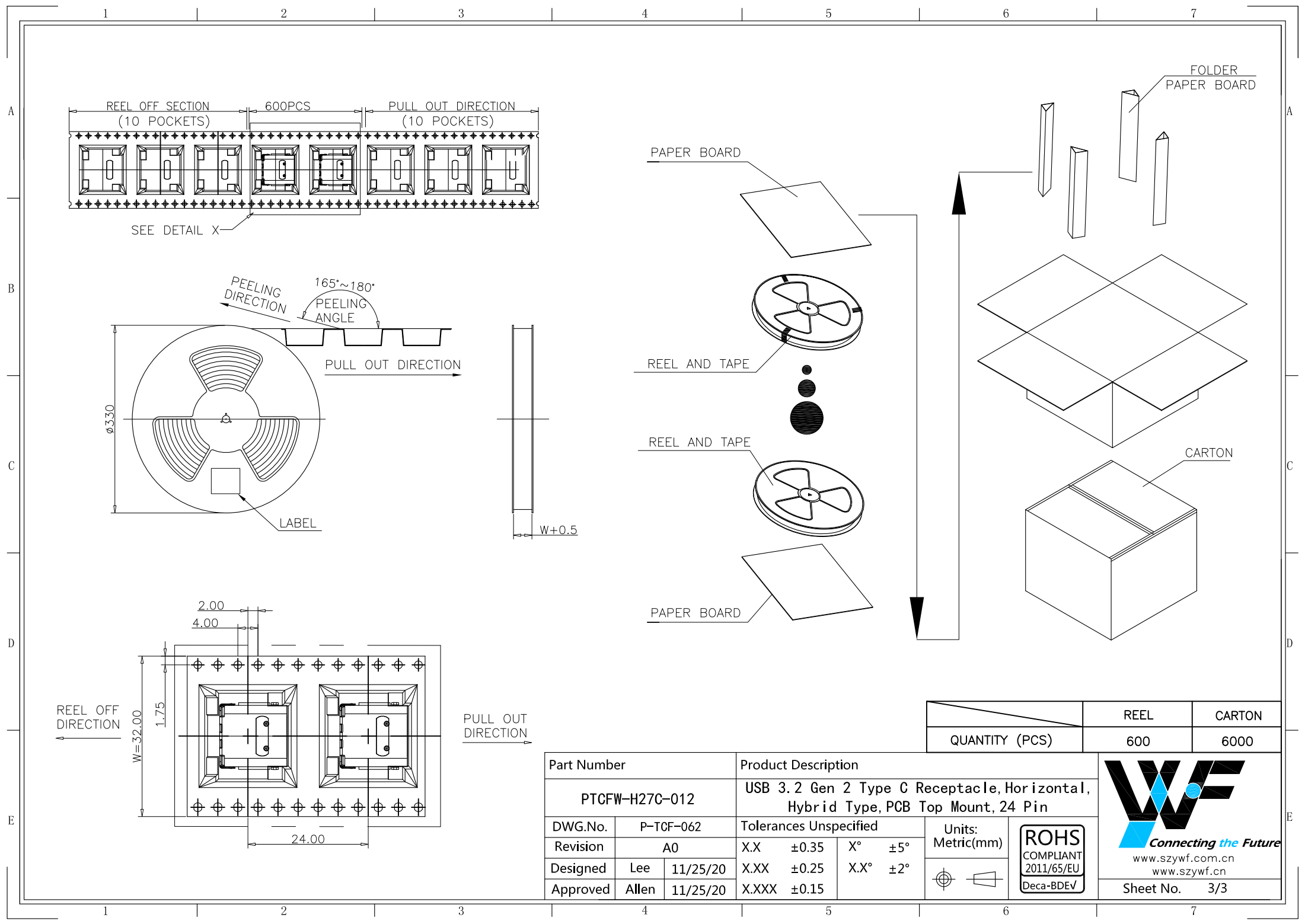
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	TX1+	B11	RX1+
A3	TX1-	B10	RX1-
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	RX2-	B3	TX2-
A11	RX2+	B2	TX2+
A12	GND	B1	GND

Part Number			Product Description		
PTCFW-H27C-012			USB 3.2 Gen 2 Type C Receptacle, Horizontal, Hybrid Type, PCB Top Mount, 24 Pin		
DWG.No.	P-TCF-062		Tolerances Unspecified		Units: Metric(mm)
Revision	A0		X.X ± 0.35	X° $\pm 5^\circ$	
Designed	Lee	11/25/20	X.XX ± 0.25	X.X° $\pm 2^\circ$	
Approved	Allen	11/25/20	X.XXX ± 0.15		



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Part Number			Product Description		
PTCFW-H27C-012			USB 3.2 Gen 2 Type C Receptacle, Horizontal, Hybrid Type, PCB Top Mount, 24 Pin		
DWG.No.	P-TCF-062		Tolerances Unspecified		
Revision	A0		X.X ±0.35	X° ±5°	
Designed	Lee	11/25/20	X.XX ±0.25	X.X° ±2°	
Approved	Allen	11/25/20	X.XXX ±0.15		

	REEL	CARTON
QUANTITY (PCS)	600	6000



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