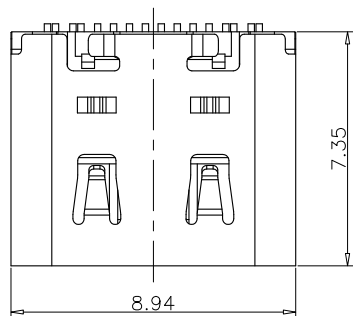


SECTION A-A

SCALE 1:1

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: 1u" 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

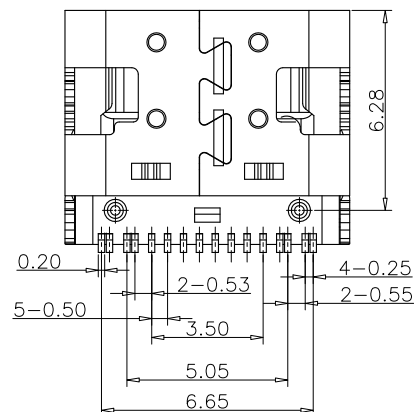
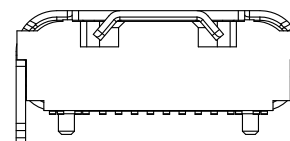
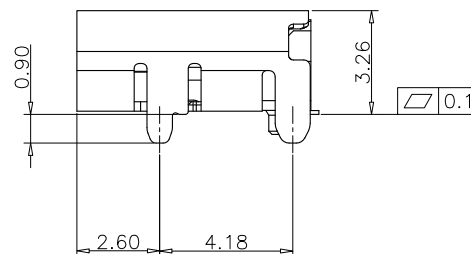
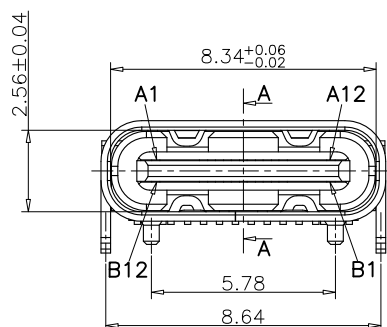
Voltage Rating: 48V
Power Rating: 240W

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

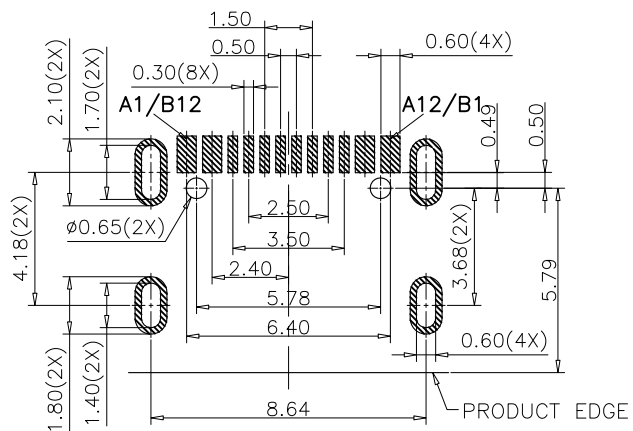
Dielectric Withstanding Voltage: 100V AC
Insulation Resistance: 100MΩ min.

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



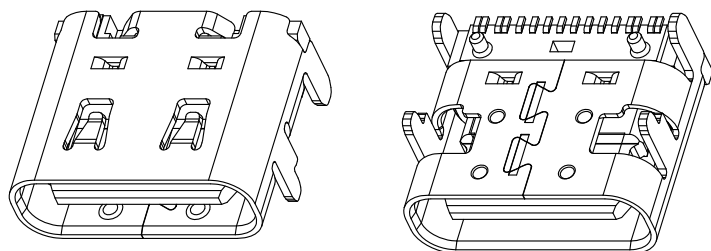
Part Number			Product Description				 Connecting the Future www.szywf.com.cn www.szywf.cn
PTCFW-H22A-003			USB 2.0 Type C Receptacle, Horizontal, SMT, PCB Top Mount, 16 Pin				
DWG.No.	P-TCF-112		Tolerances Unspecified		Units: Metric(mm)		
Revision	A0		X.X ±0.35	X° ±5°			
Designed	Lee	10/10/20	X.XX ±0.25	X.X° ±2°			
Approved	Allen	10/10/20	X.XXX ±0.15				
							Sheet No. 1/3



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

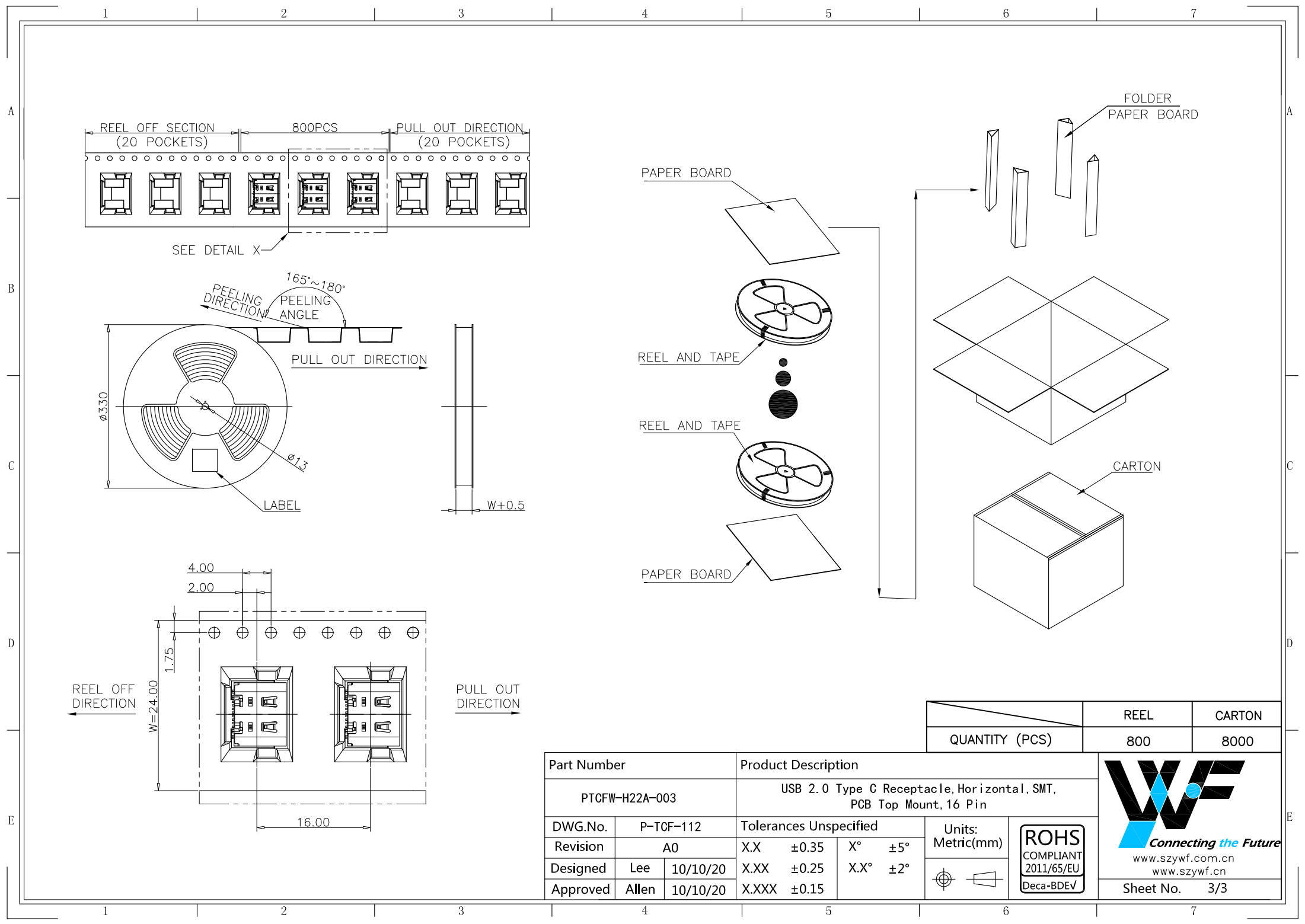
PIN ASSIGNMENTS

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-H22A-003			USB 2.0 Type C Receptacle, Horizontal, SMT, PCB Top Mount, 16 Pin				
DWG.No.	P-TCF-112		Tolerances Unspecified			Units: Metric(mm)	
Revision	A0		X.X	±0.35	X°		
Designed	Lee	10/10/20	X.XX	±0.25	X.X°	±2°	
Approved	Allen	10/10/20	X.XXX	±0.15			
ROHS COMPLIANT 2011/65/EU Deca-BDEV							
Sheet No.							2/3





Part Number			Product Description					 <i>Connecting the Future</i> www.szywf.com.cn www.szywf.cn
PTCFW-H22A-003			USB 2.0 Type C Receptacle, Horizontal, SMT, PCB Top Mount, 16 Pin					
DWG.No.	P-TCF-112		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					
						