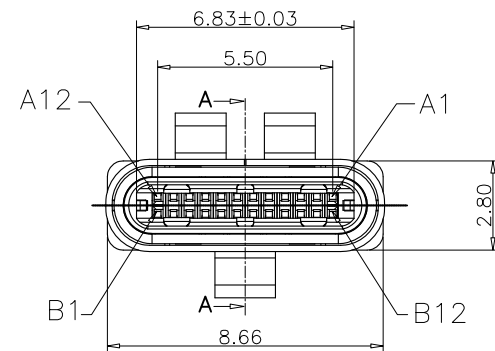


SECTION A-A
SCALE 1:1

Specifications

A. Material

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

B. Plating

Contact Area: 3u" Au over 50u" min. Nickel
Solder Tails: 100u" min. Matte Tin over 50u" min. Nickel
Shell: 30u" min. Nickel
EMI: No Plating
Mid Plate: 80u" min. Matte Tin over 50u" min. Nickel

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.

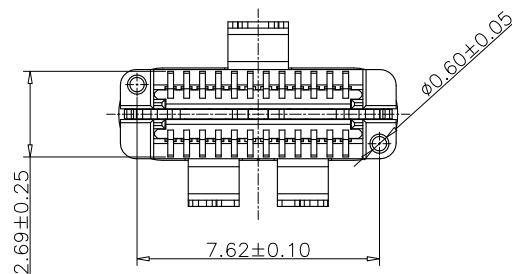
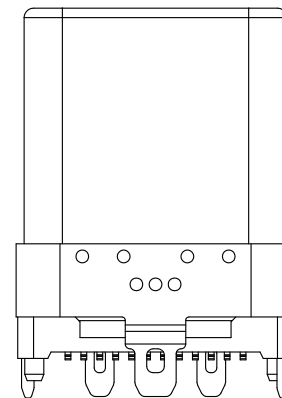
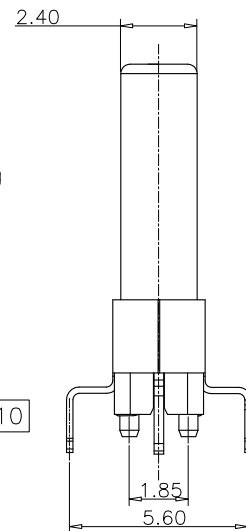
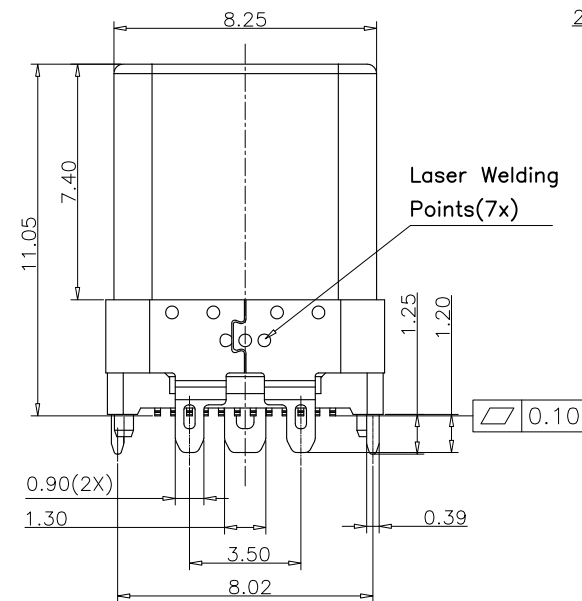
D. Mechanical & Environmental

Operating Temperature: -25°C to +85°C

Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

Durability: 10,000 cycles

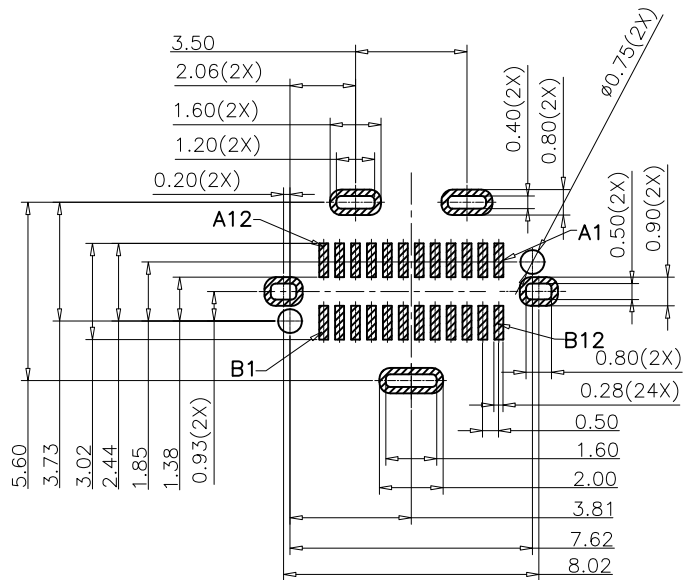


Part Number			Product Description			 <i>Connecting the Future</i> www.szywf.com.cn www.szywf.cn	
PTCMW-H12B-006			USB 3.2 Gen2 Type C Plug, Vertical, SMT, 24 Pin				
DWG.No.	P-TCM-210		Tolerances Unspecified		Units: Metric(mm)		ROHS COMPLIANT 2011/65/EU Deca-BDEV
Revision	A0		X.X ±0.35	X° ±5°			
Designed	Lee	11/18/20	X.XX ±0.25	X.X° ±2°			
Approved	Allen	11/18/20	X.XXX ±0.15				
Sheet No.			1/3				



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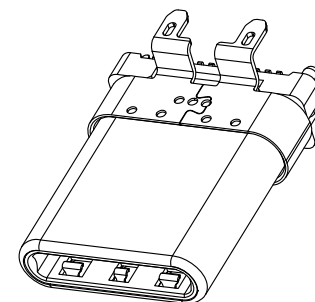
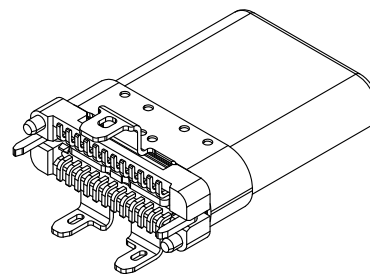
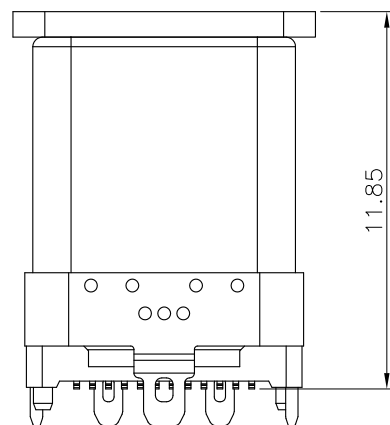
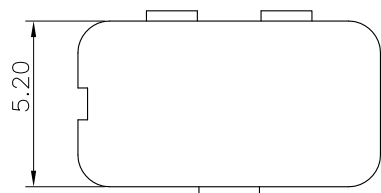
Sheet No. 1/3

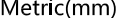


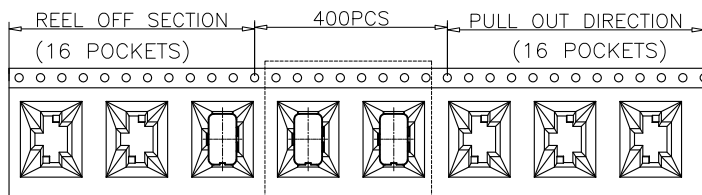
RECOMMENDED PCB LAYOUT (COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05

PIN ASSIGNMENTS

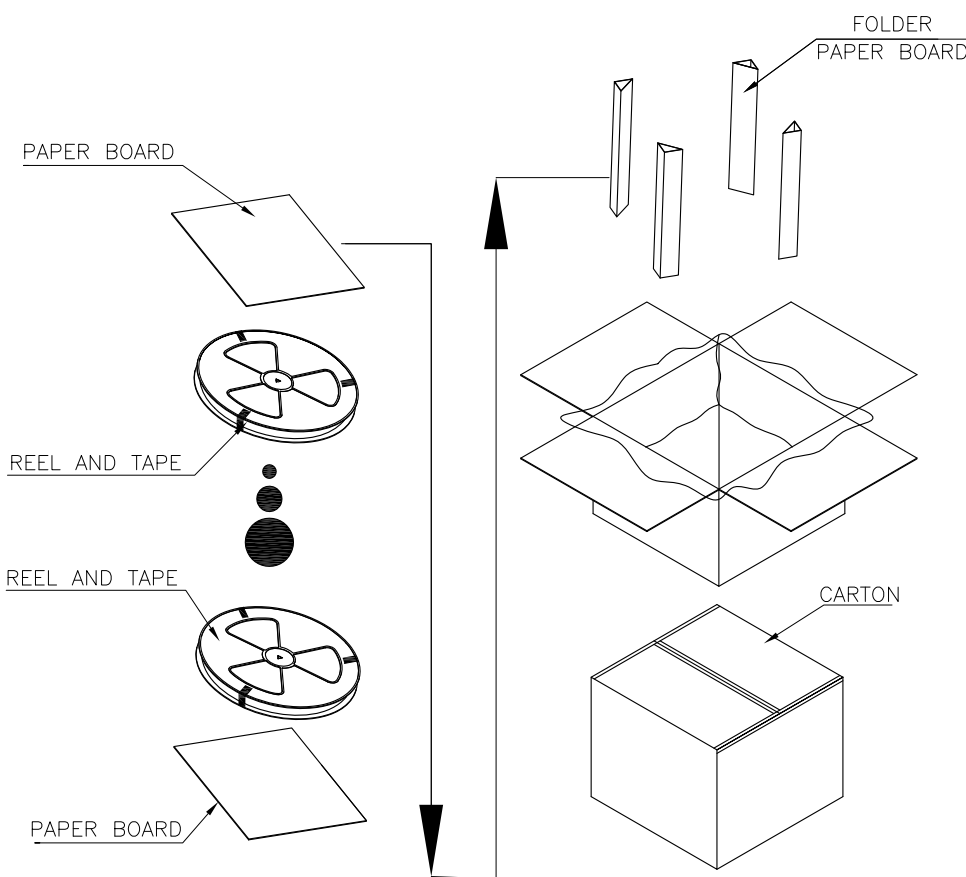
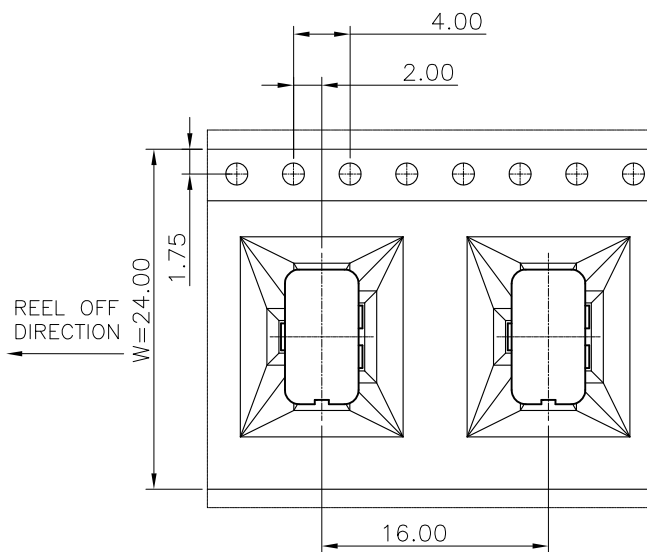
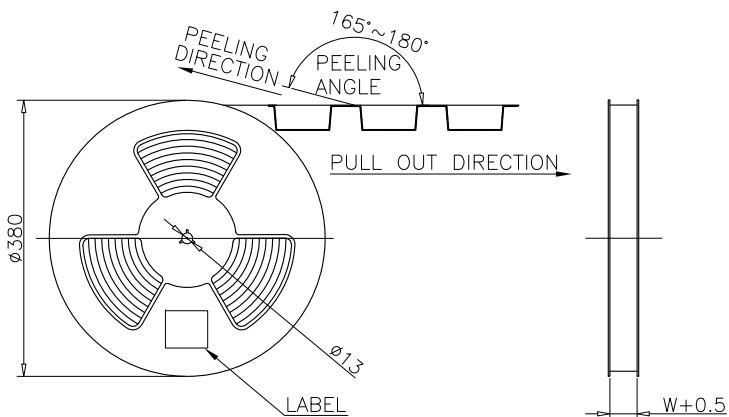
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	TX1+	B11	TX1+
A3	TX1-	B10	TX1-
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	RX2-	B3	TX2-
A11	RX2+	B2	TX2+
A12	GND	B1	GND



Part Number			Product Description				 Connecting the Future www.szywf.com.cn www.szywf.cn	
PTCMW-H12B-006			USB 3.2 Gen2 Type C Plug, Vertical, SMT, 24 Pin					
DWG.No.	P-TCM-210		Tolerances Unspecified			Units: Metric(mm)		
Revision	A0		X.X	±0.35	X°			
Designed	Lee	11/18/20	X.XX	±0.25	X.X°	±2°		
Approved	Allen	11/18/20	X.XXX	±0.15				
							Sheet No. 2/3	



SEE DETAIL X



	REEL	CARTON
QUANTITY (PCS)	400	4000

Part Number			Product Description		
PTCMW-H12B-006			USB 3.2 Gen2 Type C Plug, Vertical, SMT, 24 Pin		
DWG.No.	P-TCM-210		Tolerances Unspecified		Units: Metric(mm)
Revision	A0		X.X ±0.35	X° ±5°	
Designed	Lee	11/18/20	X.XX ±0.25	X.X° ±2°	
Approved	Allen	11/18/20	X.XXX ±0.15		



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