

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: 1u" 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.

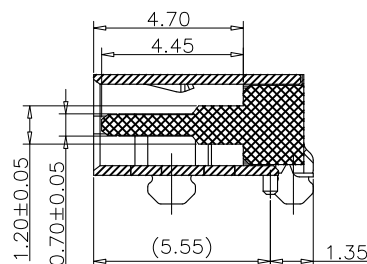
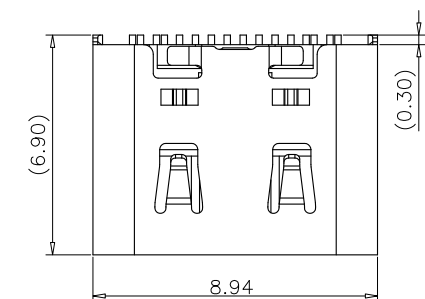
D. Mechanical & Environmental

Operating Temperature: -25℃ to +85℃

Mating Force: 5 to 20 N.

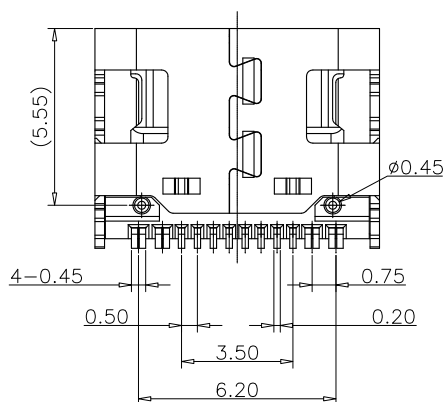
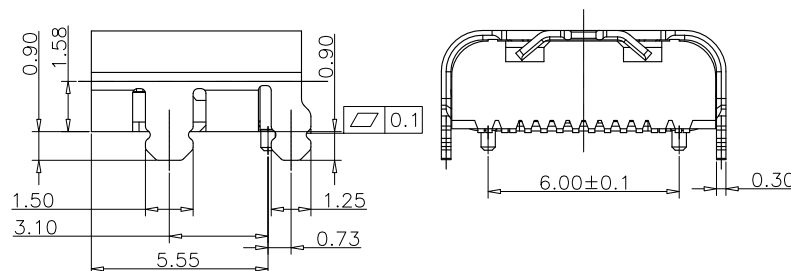
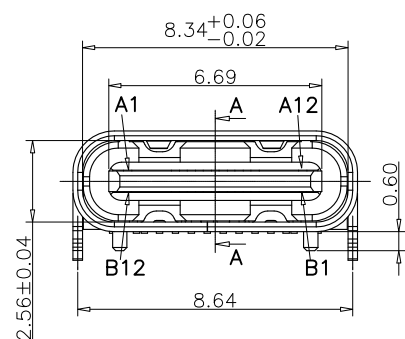
Unmated Force: 6 to 20 N after test

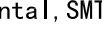
Durability: 10,000 cycles

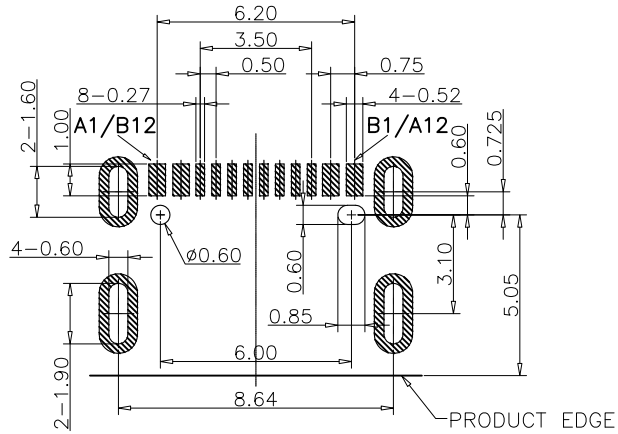


SECTION A-A

SCALE 1:1



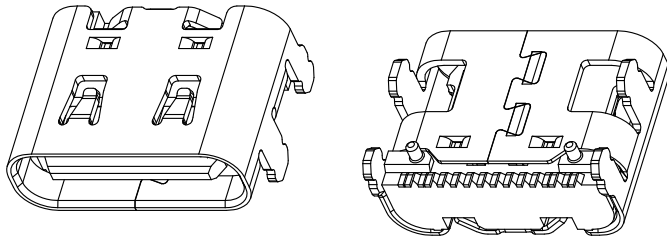
Part Number			Product Description				 Connecting the Future www.szywf.com.cn www.szywf.cn
PTCFW-H22A-070			USB 2.0 Type C Receptacle, Horizontal, SMT, PCB Top Mount, 16 Pin				
DWG.No.	P-TCF-030		Tolerances Unspecified		Units: Metric(mm)		
Revision	A0		X.X ±0.35	X° ±5°			
Designed	Lee	12/15/20	X.XX ±0.25	X.X° ±2°			
Approved	Allen	12/15/20	X.XXX ±0.15				
							Sheet No. 1/3

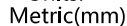


RECOMMENDED PCB LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05

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

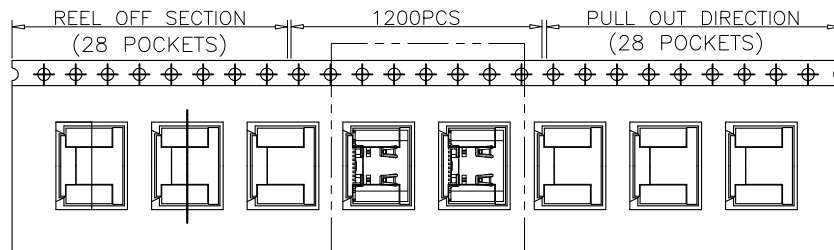


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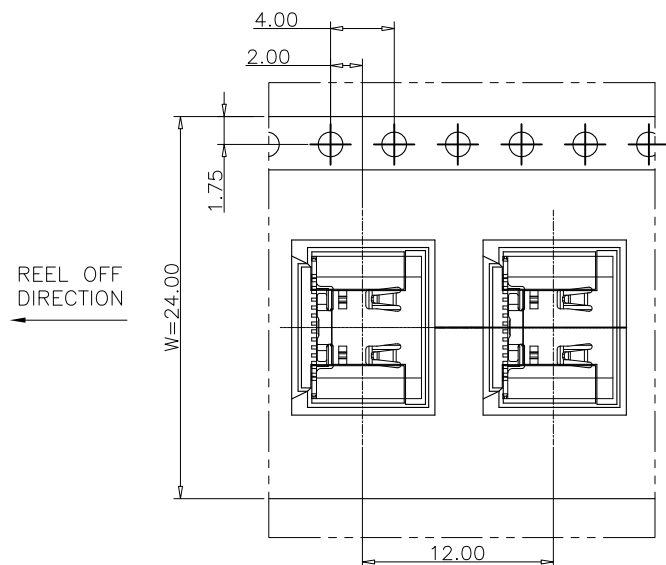
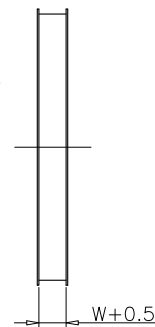
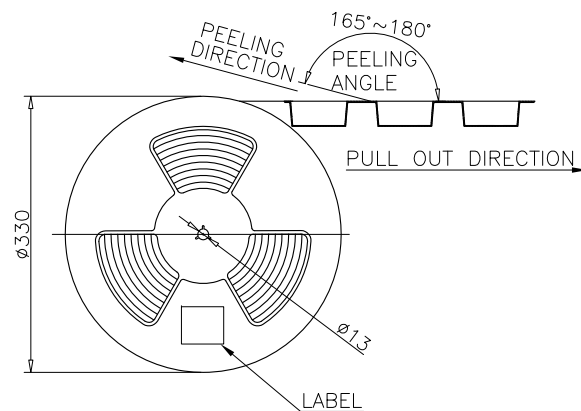


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Sheet No. 2/3



SEE DETAIL X



PULL OUT DIRECTION

PAPER BOARD

REEL AND TAPE

REEL AND TAPE

PAPER BOARD

FOLDER
PAPER BOARD

CARTON

	REEL	CARTON
QUANTITY (PCS)	1200	12000

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			Connecting the Future www.szywf.com.cn www.szywf.cn		
			Sheet No. 3/3		