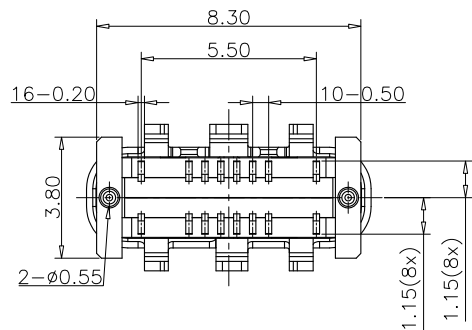
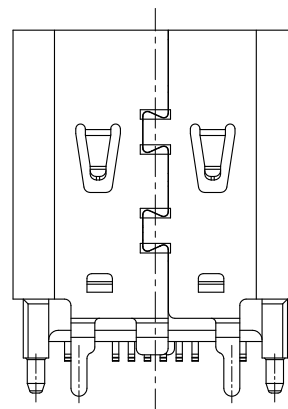
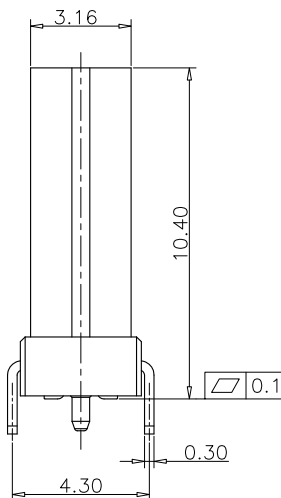
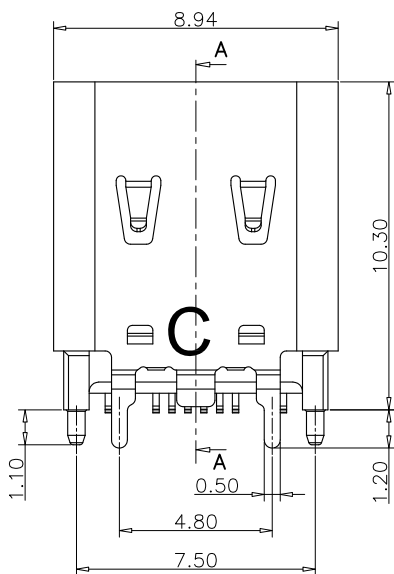


SECTION A-A
SCALE 1:1



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: 60u" min. Matte Tin over 60u" min. Nickel
Shell: 50u" 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.

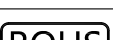
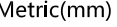
D. Mechanical & Environmental

Operating Temperature: -25° to +85°

Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

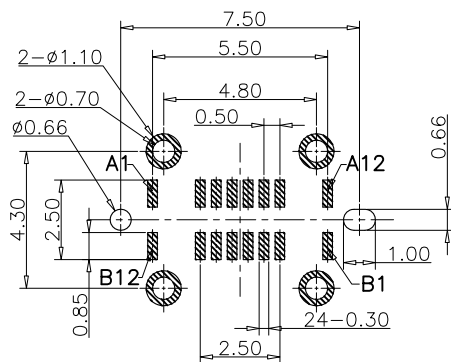
Durability: 10,000 cycles

Part Number			Product Description				 Connecting the Future www.szywf.com.cn www.szywf.cn
PTCFW-R12E-009			USB 2.0 Type C Receptacle, Vertical, SMT, H=10.4mm, 16 Pin				
DWG.No.	P-TCF-122		Tolerances Unspecified		Units:		
Revision	A0		X.X ±0.35	X° ±5°	Metric(mm)		
Designed	Lee	12/10/20	X.XX ±0.25	X.X° ±2°			
Approved	Allen	12/10/20	X.XXX ±0.15				

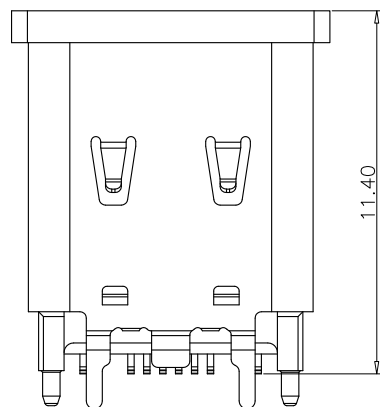
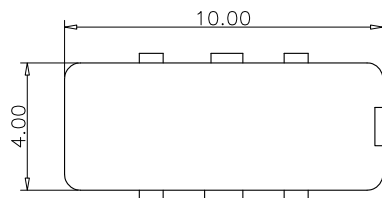


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Sheet No. 1/3



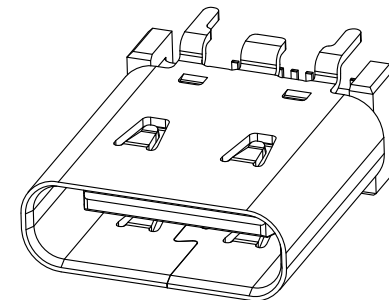
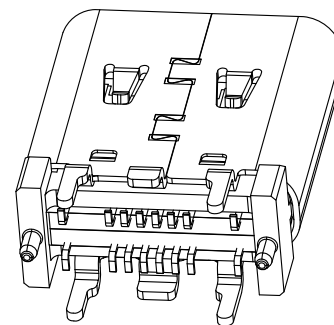
RECOMMENDED PCB LAYOUT (COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05



WITH PICK UP COVER
SCALE 1:1

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		
PTCFW-R12E-009			USB 2.0 Type C Receptacle, Vertical, SMT, H=10.4mm, 16 Pin		
DWG.No.	P-TCF-122		Tolerances Unspecified		Units: Metric(mm)
Revision	A0		X.X ± 0.35	X° $\pm 5^\circ$	
Designed	Lee	12/10/20	X.XX ± 0.25	X.X° $\pm 2^\circ$	
Approved	Allen	12/10/20	X.XXX ± 0.15		

