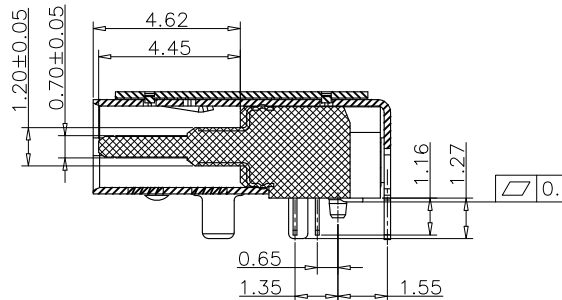
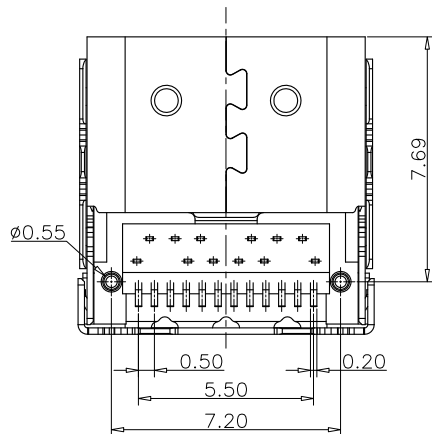
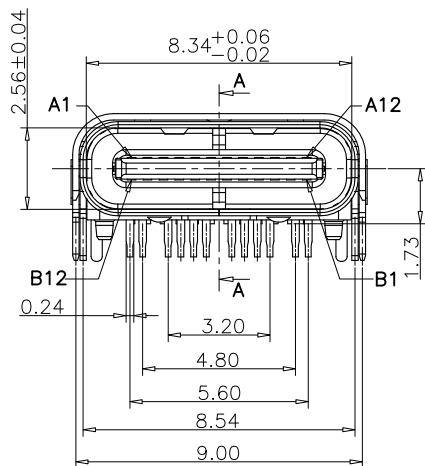
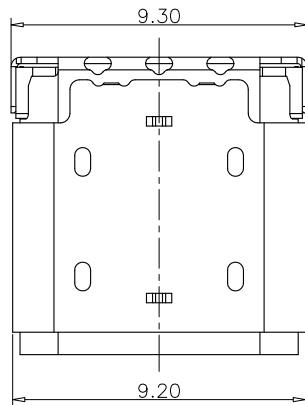
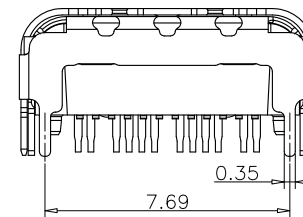
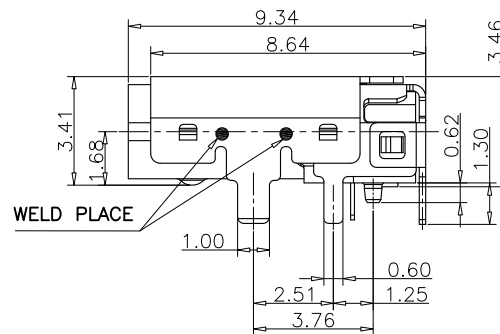




SECTION A-A

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=0.20mm
Up Shell: Stainless Steel, T=0.20mm
EMI: Stainless Steel, T=0.10mm

B. Plating

Contact Area: 3u" Au over 60u' min. Nickel
Solder Tails: Gold Flash Au over 60u" min. Nickel
Shell: 50u" min. Nickel
Up Shell: 50u" min Nickel
EMI: 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

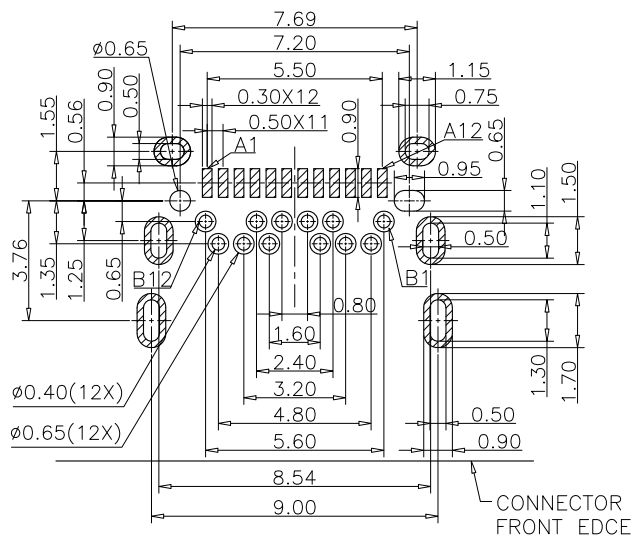
Durability: 10,000 cycles

Part Number			Product Description			
PTCFW-H27C-007			USB 3.2 Gen 2 Type C Receptacle, Horizontal, Hybrid Type, PCB Top Mount, 24 Pin			
DWG.No.	P-TCF-035		Tolerances Unspecified		Units: Metric(mm)	
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			



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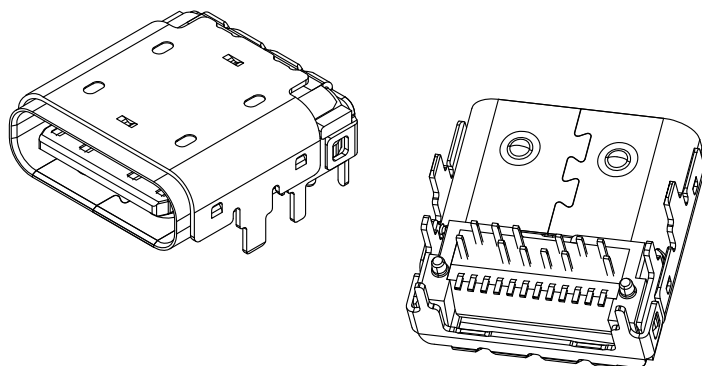
Sheet No. 1/3



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

PIN ASSIGNMENTS

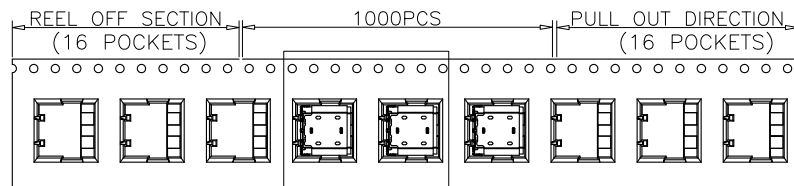
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	TX1+	B11	TX1+
A3	TX1-	B10	TX1-
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	RX2-	B3	TX2-
A11	RX2+	B2	TX2+
A12	GND	B1	GND



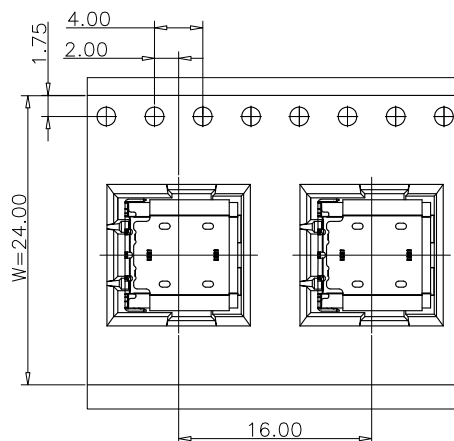
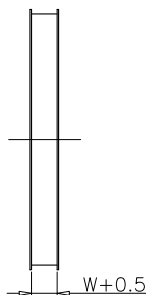
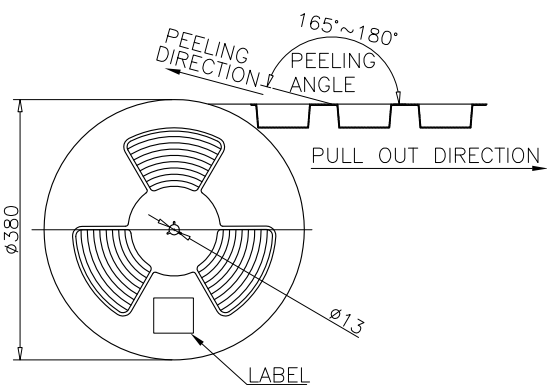
Part Number			Product Description			
PTCFW-H27C-007			USB 3.2 Gen 2 Type C Receptacle, Horizontal, Hybrid Type, PCB Top Mount, 24 Pin			
DWG.No.	P-TCF-035		Tolerances Unspecified		Units: Metric (mm)	
Revision	A0		X.X	± 0.35		
Designed	Lee	11/25/20	X.XX	± 0.25		
Approved	Allen	11/25/20	X.XXX	± 0.15		

1 2 3 4 5 6 7

A



SEE DETAIL X



REEL OFF
DIRECTION

PULL OUT
DIRECTION

PAPER BOARD

REEL AND TAPE

REEL AND TAPE

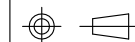
PAPER BOARD

FOLDER
PAPER BOARD

CARTON

	REEL	CARTON
QUANTITY (PCS)	1000	10000

Part Number			Product Description		
PTCFW-H27C-007			USB 3.2 Gen 2 Type C Receptacle, Horizontal, Hybrid Type, PCB Top Mount, 24 Pin		
DWG.No.	P-TCF-035		Tolerances Unspecified		Units: Metric(mm)
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		



1 2 3 4 5 6 7

E

E