

**MODEL:** UJC-H-G-SMT-1-P6-TR-65 | **DESCRIPTION:** USB RECEPTACLE

**FEATURES**

- USB Type C receptacle
- power only
- IPX5
- tape & reel packaging

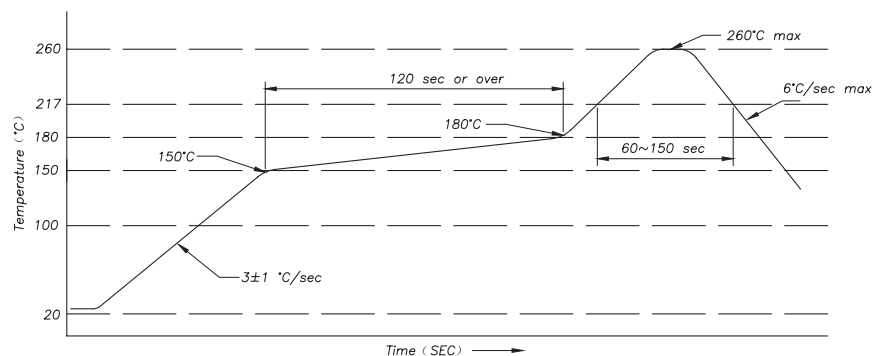

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
USB standard	power only				
rated input voltage				30	Vdc
rated input current	as per EIA-364-70, Method B power pins collectively [(A9, A12, B9, B12) VCONN pins individually (A5, B5]			3.0 1.25	A A
contact resistance <sup>1</sup>	between terminals and mating plug			40	mΩ
insulation resistance	at 100 Vdc between adjacent contacts	100			MΩ
voltage withstand	between adjacent contacts for 1 minute	100			Vac
insertion force	at a rate of 30 cycles/min	5		20	N
withdrawal force	at a rate of 30 cycles/min	8		20	N
life	at a rate of 500 cycles per hour		10,000		cycles
operating temperature		-25		85	°C
flammability rating	UL94V-0				
RoHS	yes				
IP level	IPX5				

Note: 1. When measured at 20 mV / 100 mA.

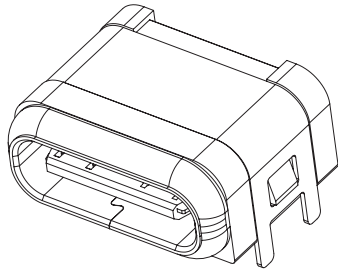
**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reel storage	at 20~30°C, 40~75% humidity				
reflow soldering	see reflow profile			260	°C

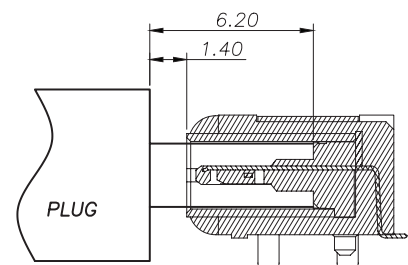
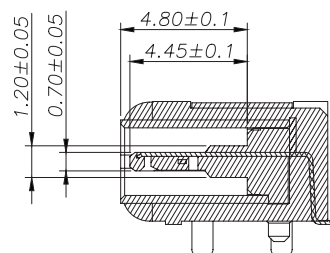
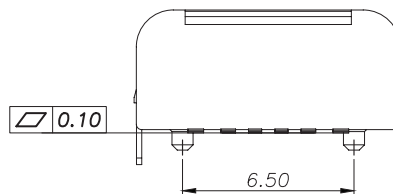
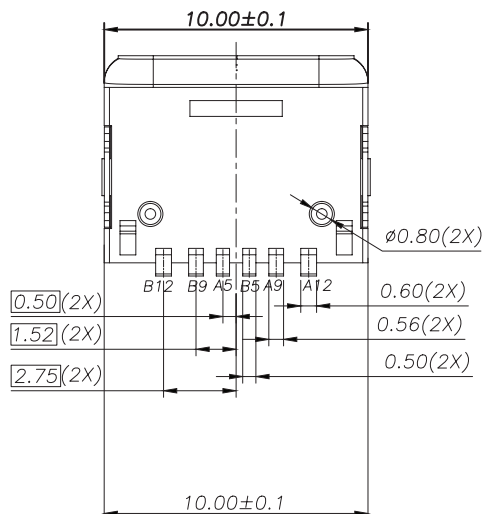
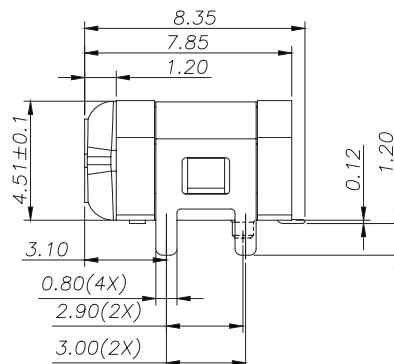
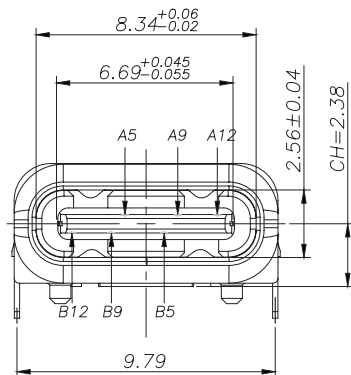
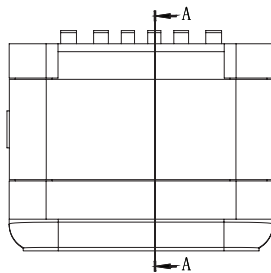


## MECHANICAL DRAWING

units: mm  
 tolerance:  
 X.X  $\pm 0.30$  mm  
 X.XX  $\pm 0.20$  mm  
 X.XXX  $\pm 0.10$  mm  
 unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
housing	LCP (UL94V-0)	black
contact	C2680	contact area: 1 $\mu$ " gold over 50 $\mu$ " nickel solder area: tin over 50 $\mu$ " nickel
front shell	SUS304	nickel
mid plate	stainless steel	clear
o-ring	UV glue	red



SECTION A-A

AFTER MATING

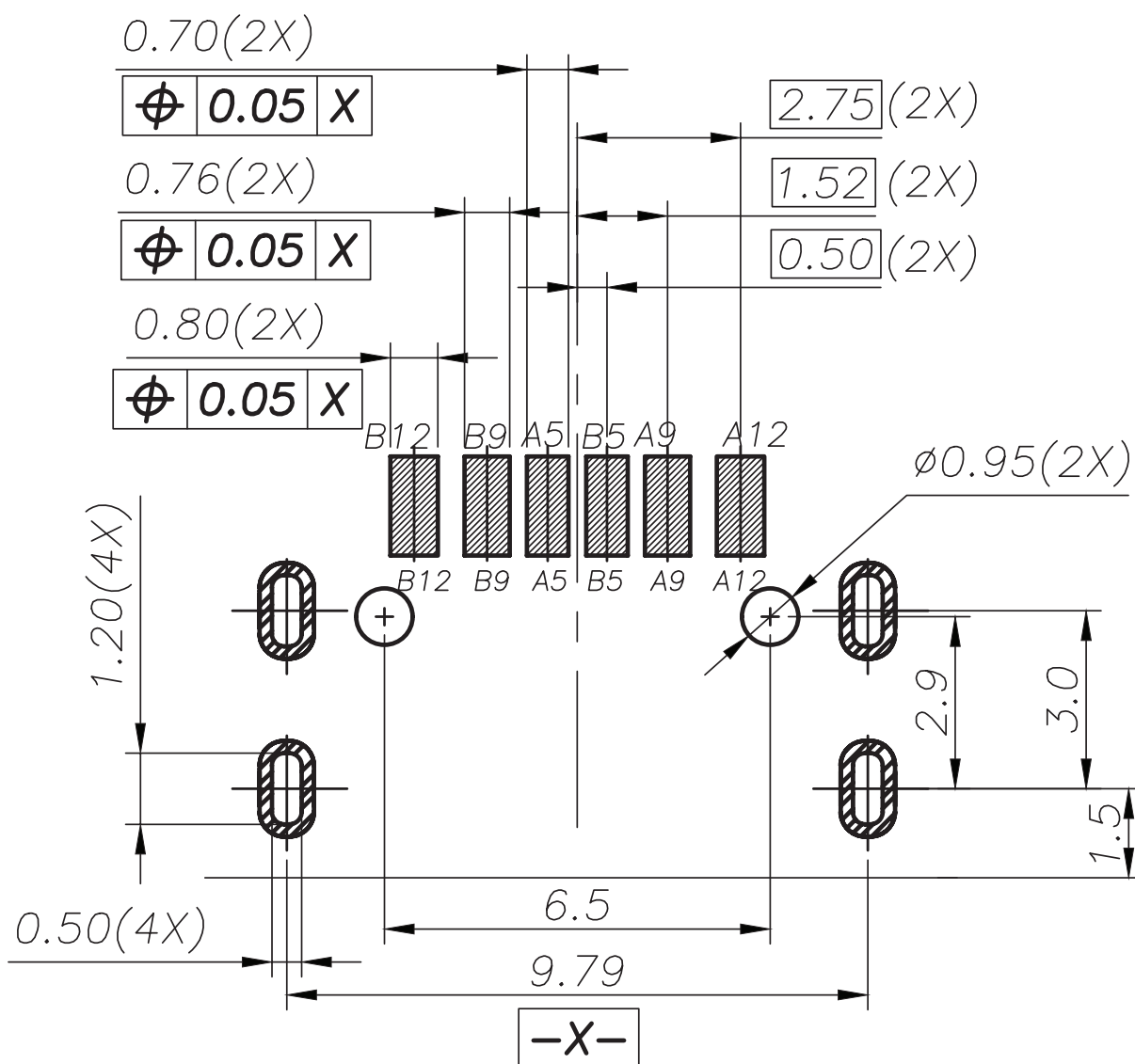
## MECHANICAL DRAWING (CONTINUED)

units: mm

PCB tolerance:  $\pm 0.05$  mm

PCB thickness: 0.8 mm

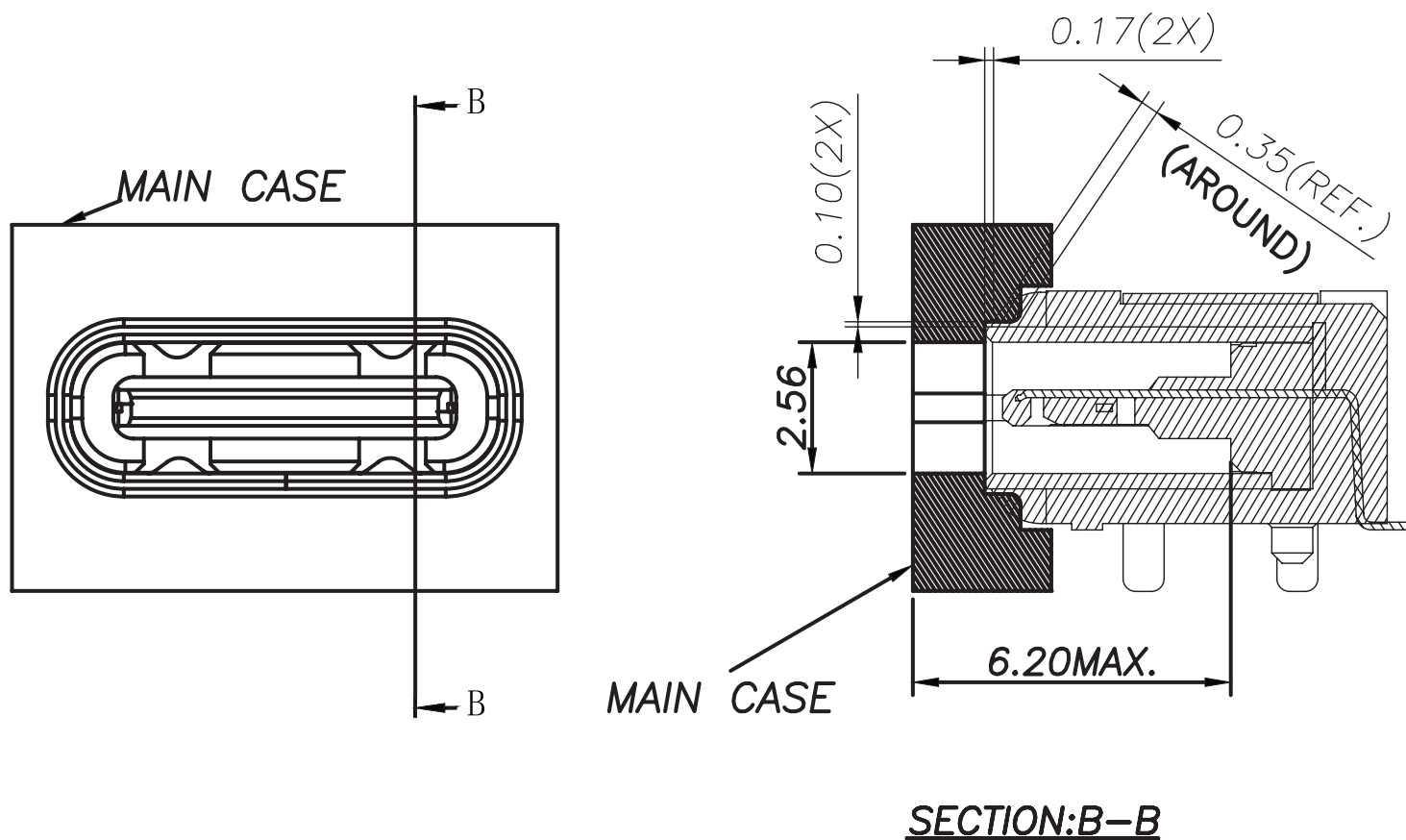
PIN CONNECTIONS			
PIN	SIGNAL NAME	PIN	SIGNAL NAME
A5	CC1	B12	GND
A9	VBUS	B9	VBUS
A12	GND	B5	CC2



Recommended PCB Layout  
Top View

## ASSEMBLY REFERENCE

### RECOMMENDED OPENING DIMENSIONS OF CASE MATING AREA WITH SEALING RING



## PACKAGING

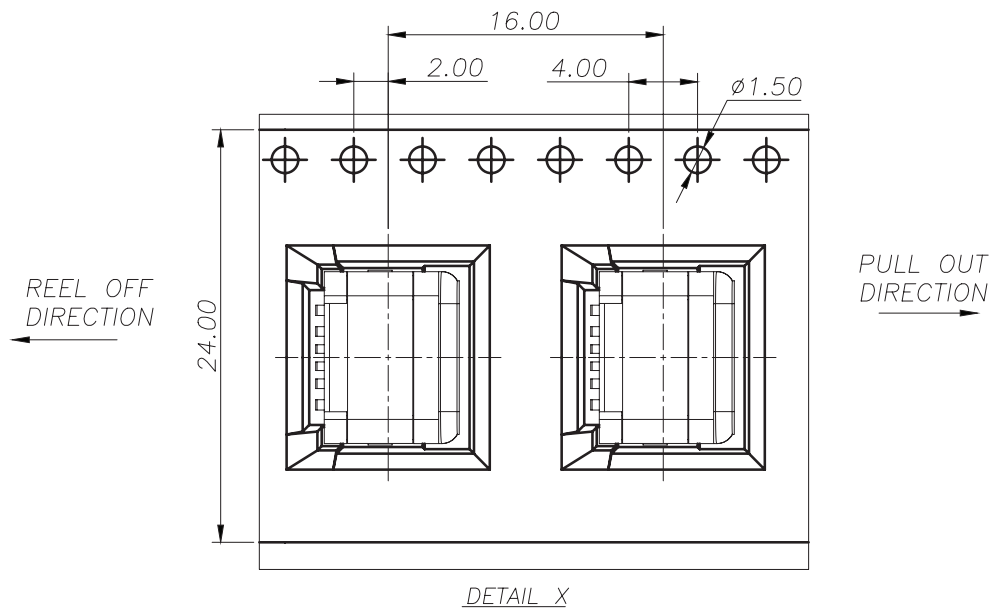
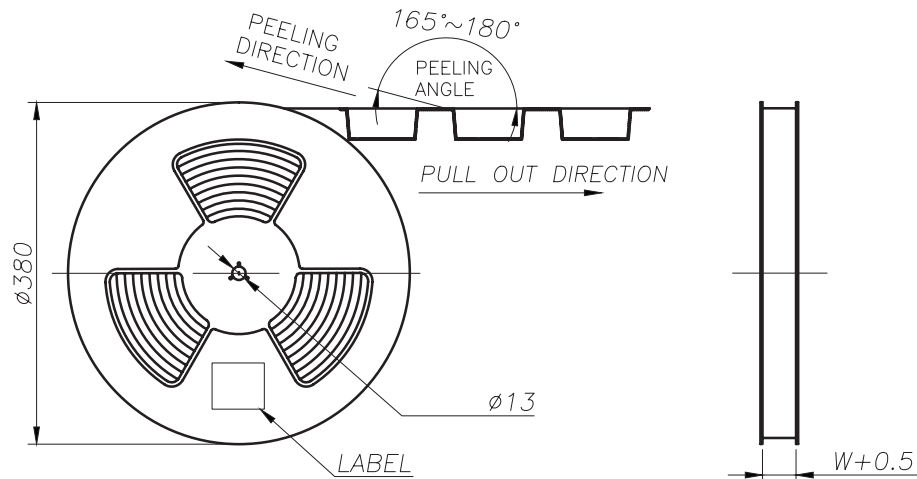
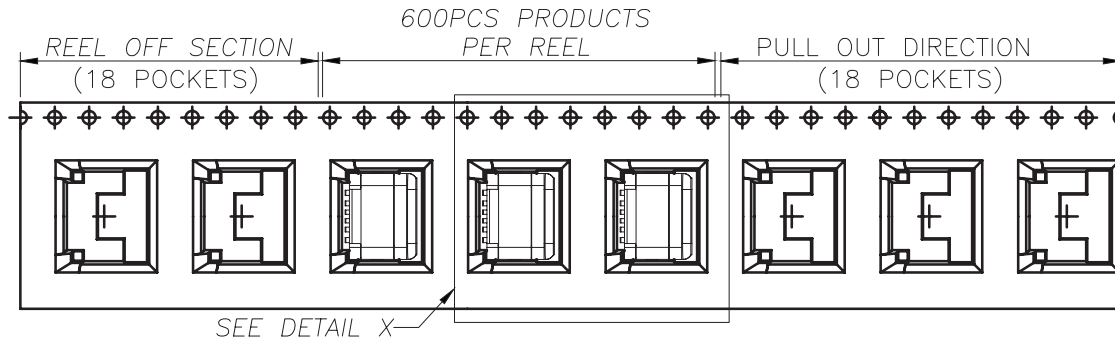
units: mm

Reel Size:  $\varnothing 380$ 

Reel QTY: 600 pcs per reel

Carton Size: 340 x 340 x 320 mm

Carton QTY: 6,000 pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2024

The revision history provided is for informational purposes only and is believed to be accurate.



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