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MODEL: UJC-H-G-SMT-P6-TR-66 | DESCRIPTION: USB RECEPTACLE

FEATURES

- USB Type C receptacle
- power only
- IP66
- reflow solder compatible (including o-ring)
- tape & reel packaging

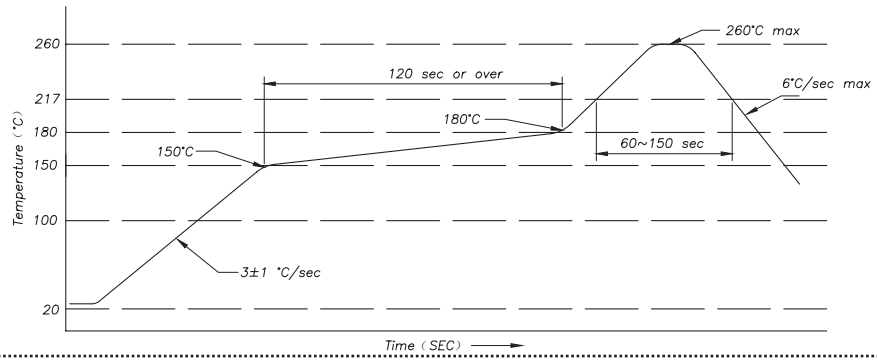
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
USB standard	power only				
rated input voltage				20	Vdc
rated input current	as per EIA-364-70, Method B power pins collectively (A9, A12, B9, B12) VCONN pins individually (A5, B5) all other signal pins individually			 3.0 1.25 0.25	 A A A
contact resistance[1]	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		-40		85	°C
flammability rating	UL94V-0				
RoHS	yes				
IP level	IP66				

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

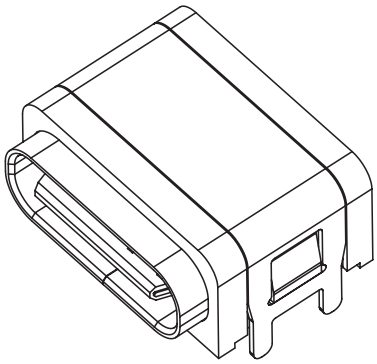
SOLDERABILITY

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

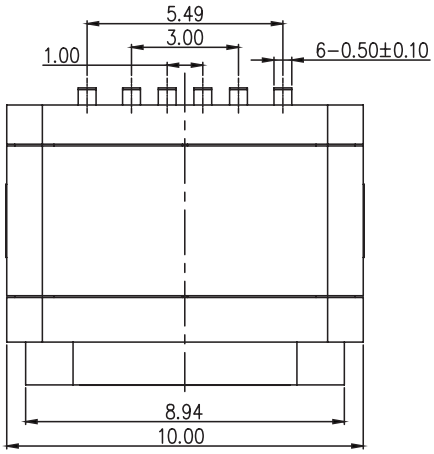


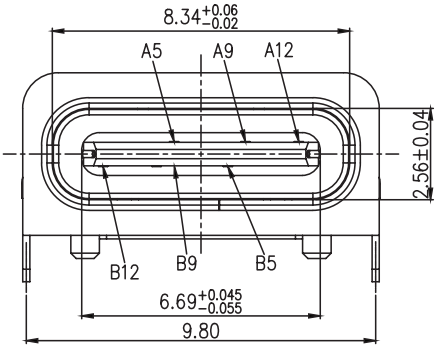
MECHANICAL DRAWING

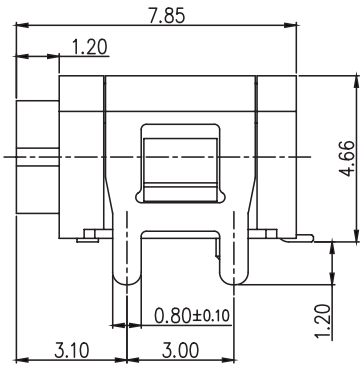
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
unless otherwise specified

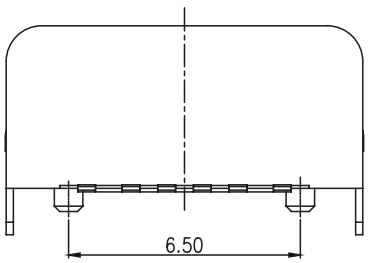


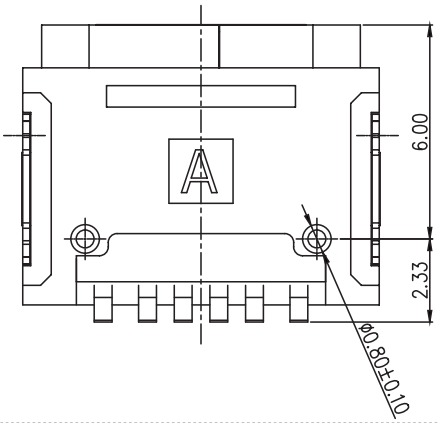
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA10T (UL94V-0)	black
contact	C2680	contact area: gold flash over 30 µ" nickel solder area: gold over 30 µ" nickel
mid plate	SUS301	--
shell 1	SUS304	50 µ" nickel
shell 2	SUS304	50 µ" nickel
o-ring (OR-140)	silica gel	black



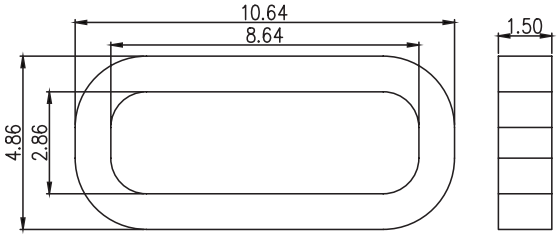








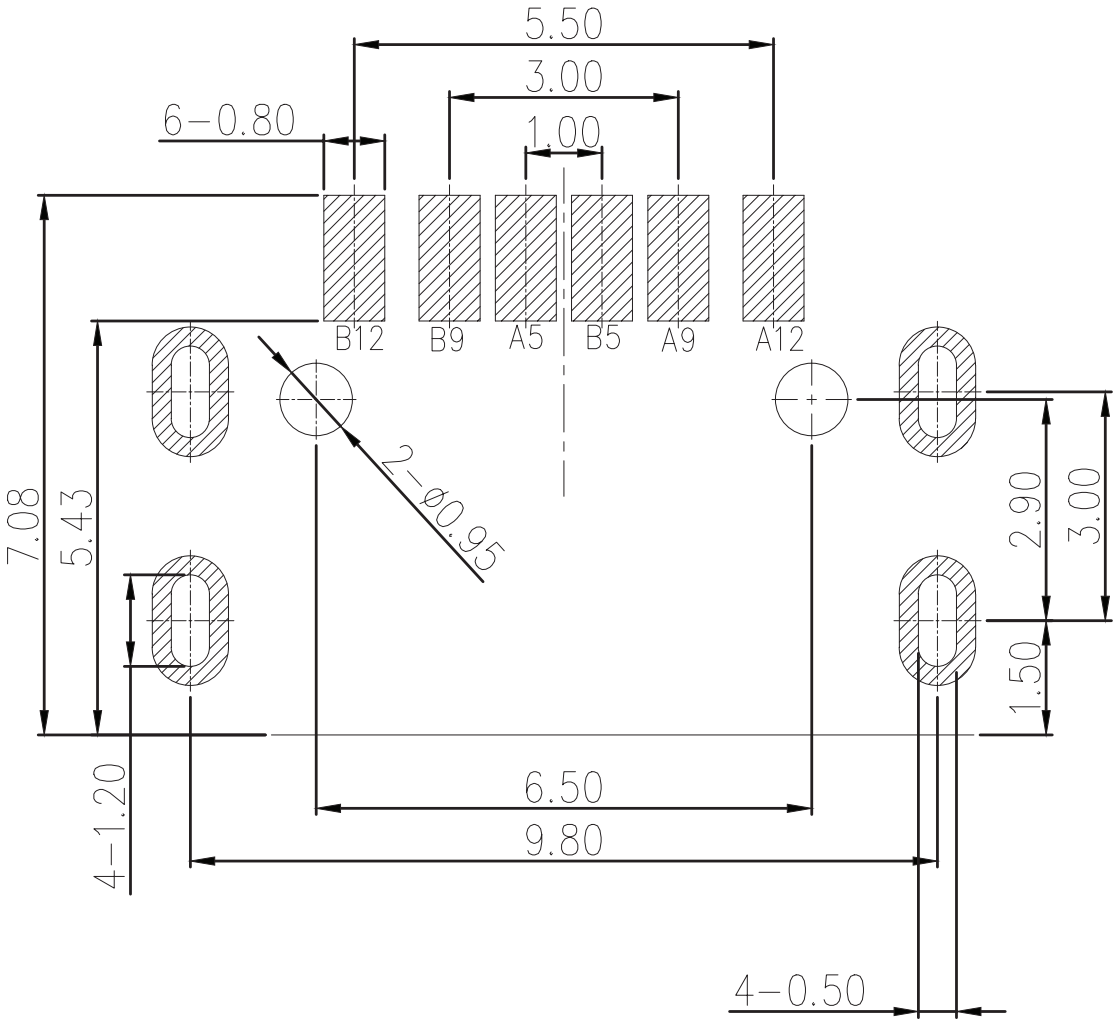
O-ring (P/N: OR-140)



MECHANICAL DRAWING (CONTINUED)

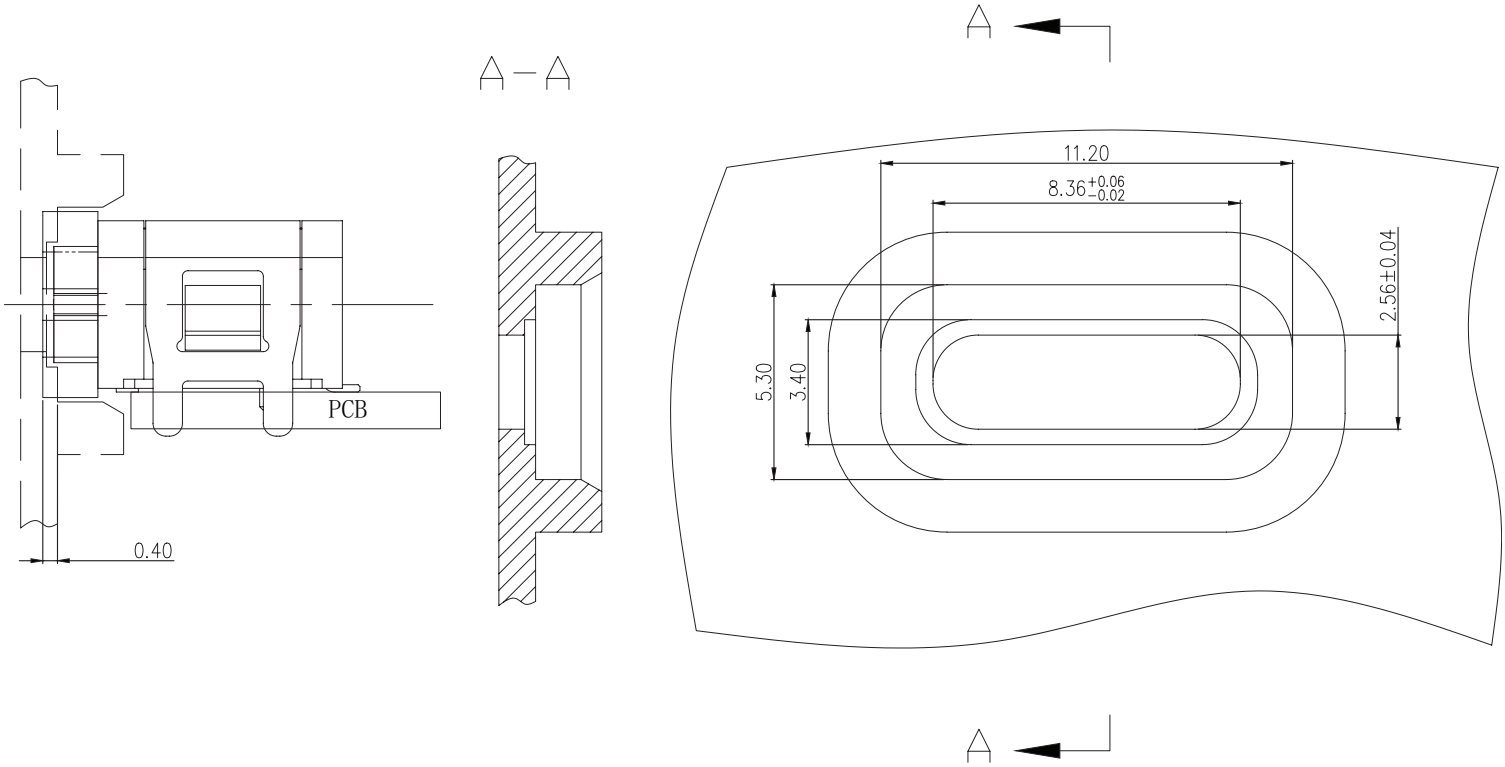
units: mm
PCB tolerance: ±0.05 mm
PCB thickness: 1.0 mm

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

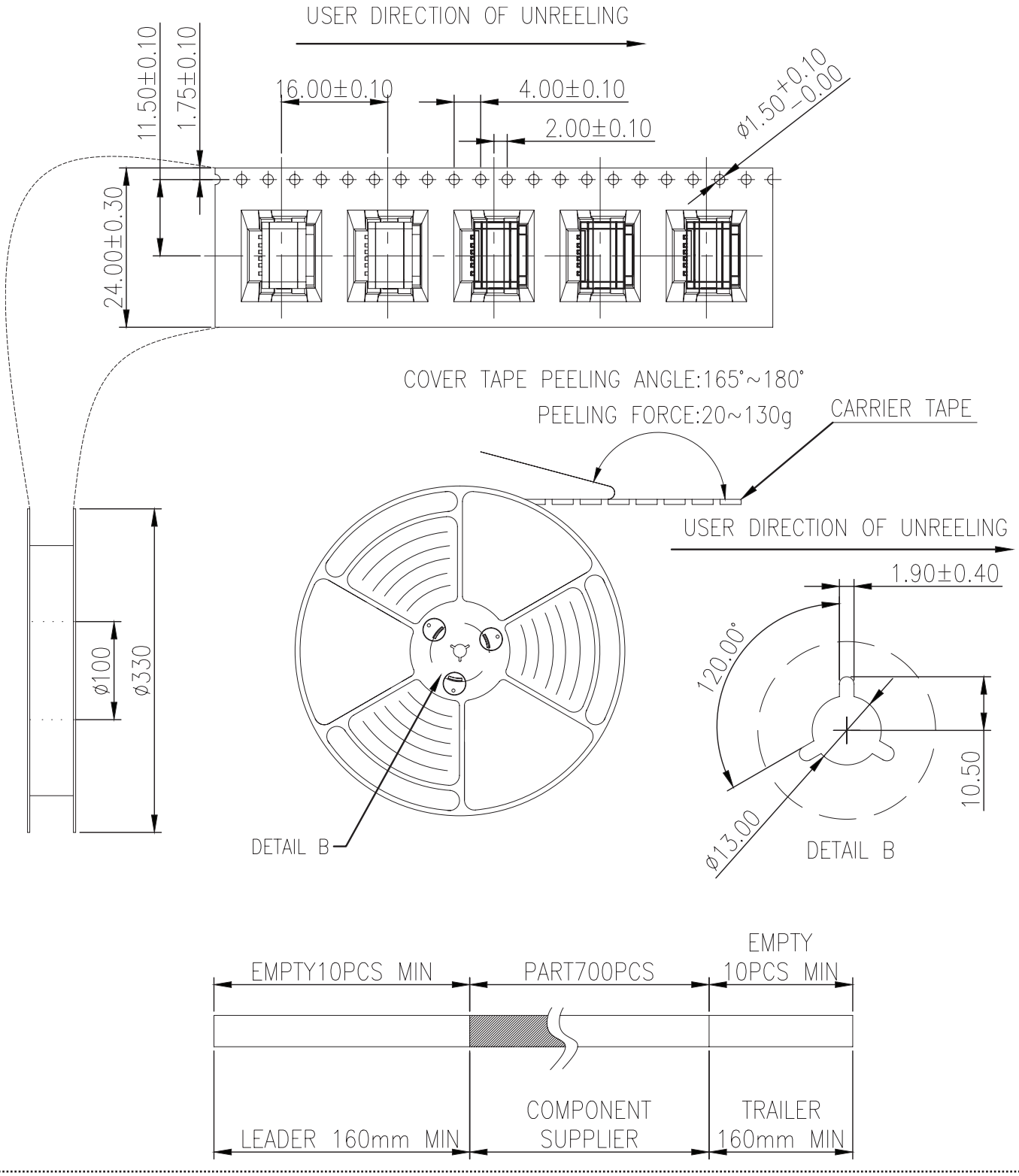
ASSEMBLY REFERENCE



PACKAGING

units: mm

Reel Size: Ø330
Reel QTY: 700 pcs per reel
Carton Size: 350 x 350 x 330 mm
Carton QTY: 7,000 pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	11/03/2025

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

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