

**MODEL:** UJC-V-G-SMT-2-P6-TR | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- power only
- reflow solder compatible
- 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]			5.0	A
	VCONN pins individually [A5, B5]			1.25	A
	all other signal pins individually			0.25	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	100			Vac
insertion force	at a rate of 30 mm/min	5		20	N
withdrawal force	at a rate of 30 mm/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				

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

SOLDERABILITY

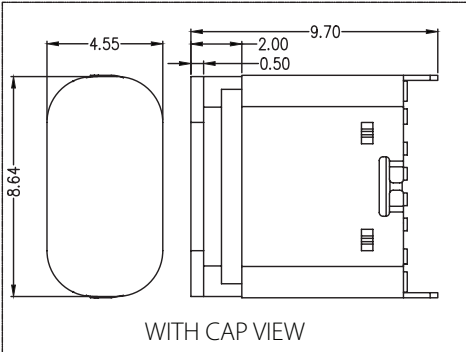
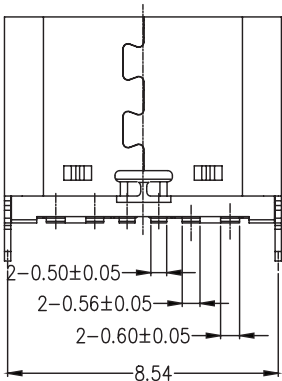
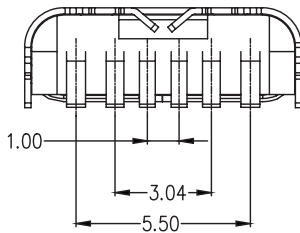
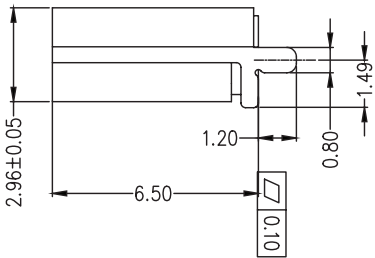
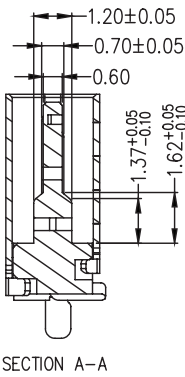
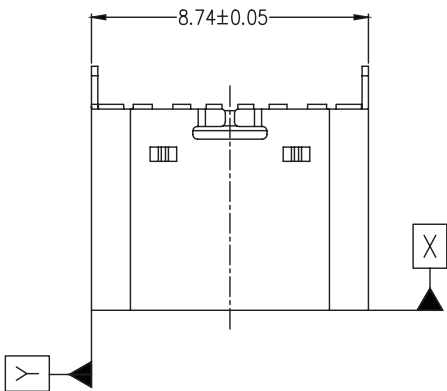
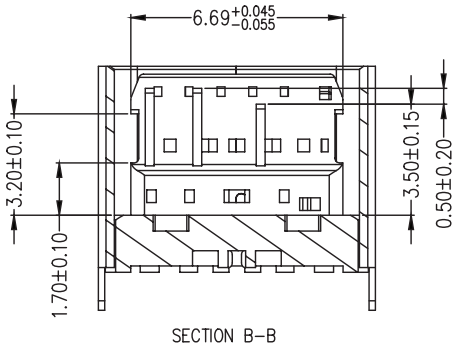
parameter	conditions/description	min	typ	max	units
reel storage	at 20~30°C, 40~75% humidity				
reflow soldering	see reflow profile			260	°C



MECHANICAL DRAWING

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

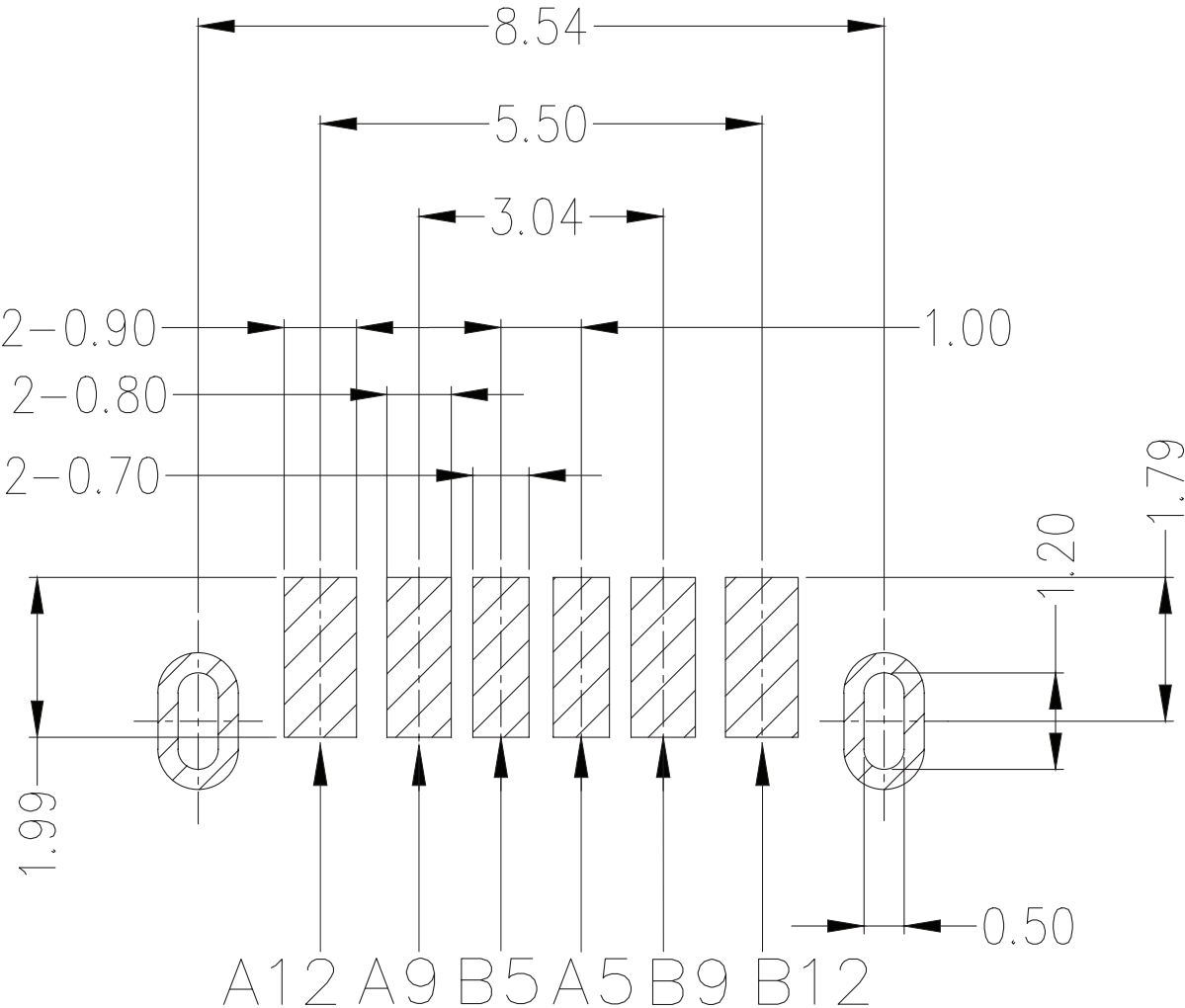
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	LCP [UL94V-0]	black
contact	C2680	contact area: gold flash over 50 μ " nickel solder area: 50 μ " matte tin over 50 μ " nickel
shell	SUS304	50 μ " nickel
shielding plate	SUS301	--
cover	LCP [UL94V-0]	black



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

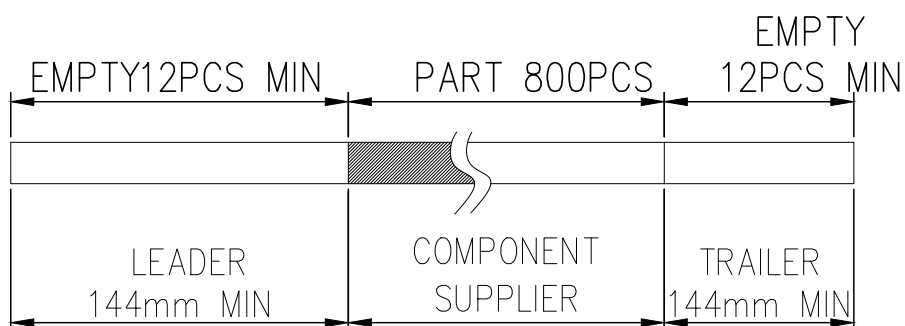
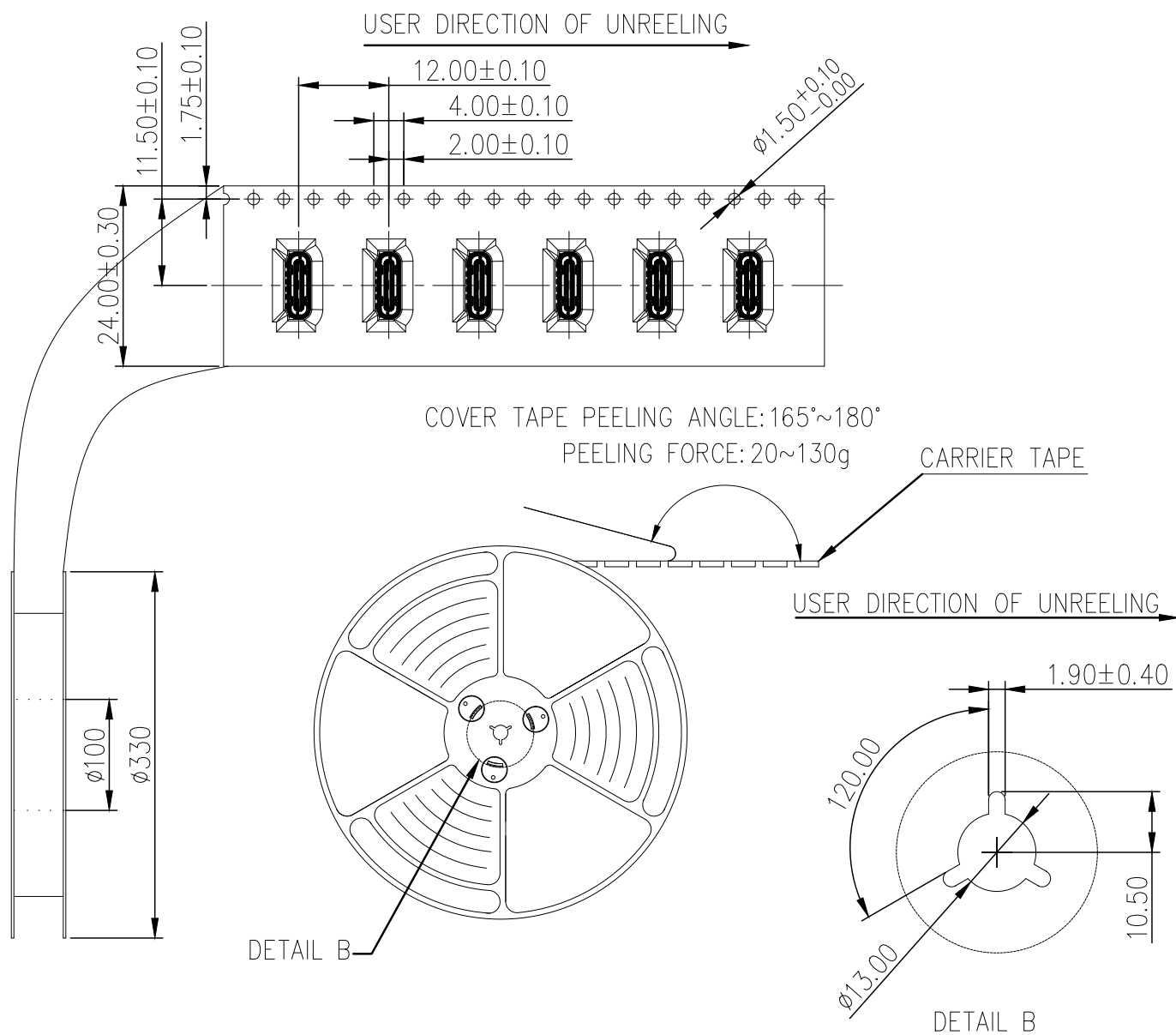


Recommended PCB Layout
Top View

PACKAGING

units: mm

Reel Size: $\varnothing 330$ mm
Reel QTY: 800 pcs per reel
Carton Size: 330 x 330 x 320 mm
Carton QTY: 8,000 pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	11/03/2025
1.01	updated datasheet	12/08/2025

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



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