

**MODEL:** UJ20-C-V-G-SMT-P8-TR | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- USB 2.0
- 480 Mbit/s data transfer speed
- reflow solder compatible
- tape & reel packaging

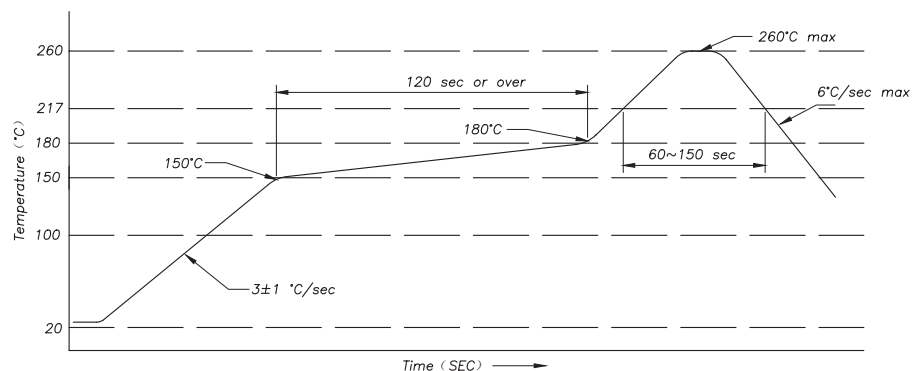
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
USB standard	USB 2.0				
rated input voltage				20	Vdc
rated input current	as per EIA-364-70, Method B power pins collectively [A1, A4, A9, A12] all other signal pins individually			3.0 0.25	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	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		5,000		cycles
operating temperature		-40		85	°C
flammability rating	UL94V-0				
RoHS	yes				

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

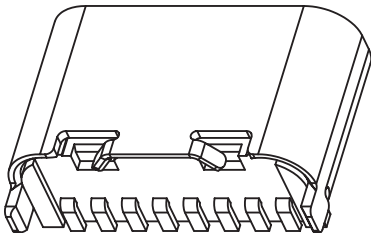
SOLDERABILITY

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

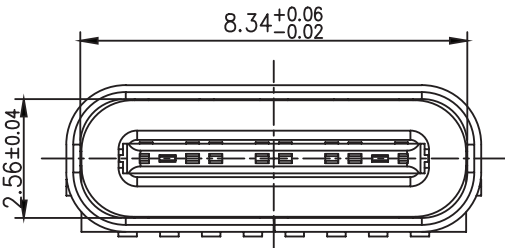
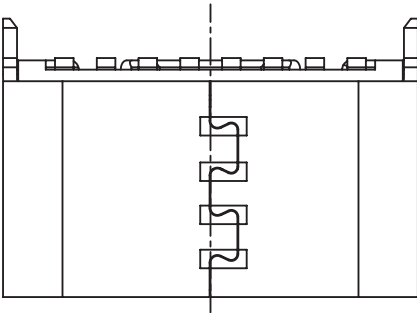
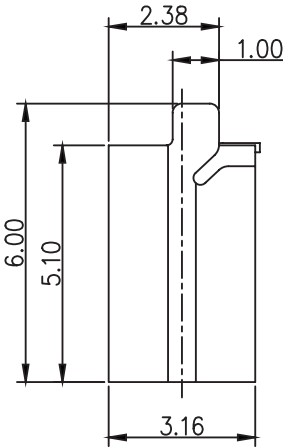
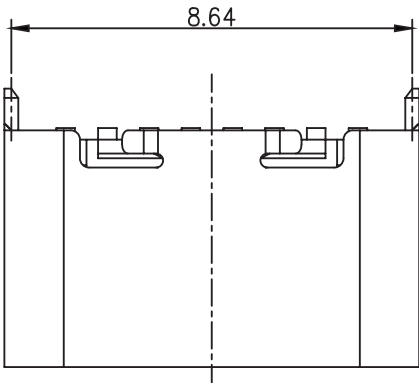
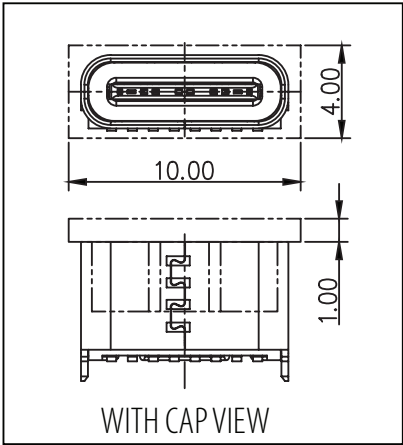
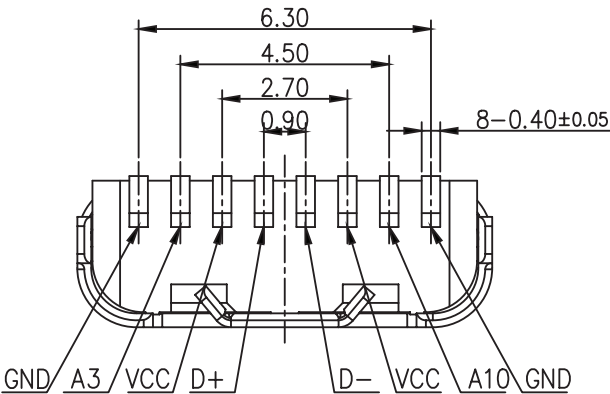


MECHANICAL DRAWING

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



DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA46 [UL94V-0]	black
contact	C2680	contact area: gold flash over 50 μ" nickel solder area: 60 μ" matte tin over 50 μ" nickel
shell	SUS304	50 μ" nickel
mid plate	SUS301	--



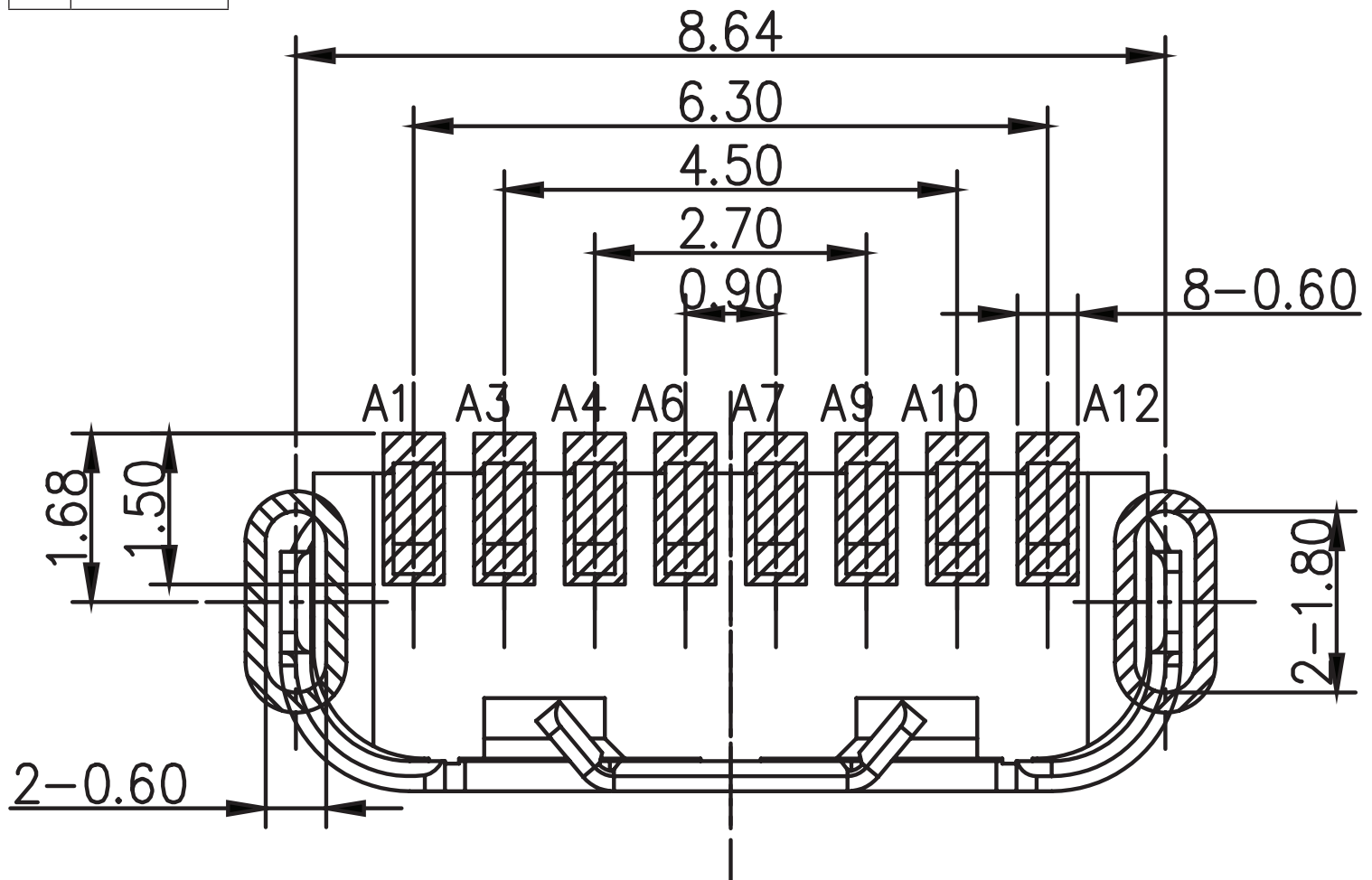
MECHANICAL DRAWING (CONTINUED)

units: mm

PCB tolerance: ± 0.05 mm

PCB thickness: 1.0 mm

PIN CONNECTIONS	
PIN	SIGNAL NAME
A1	GND
A3	TX1-
A4	VBUS
A6	D+
A7	D-
A9	VBUS
A10	RX2-
A12	GND

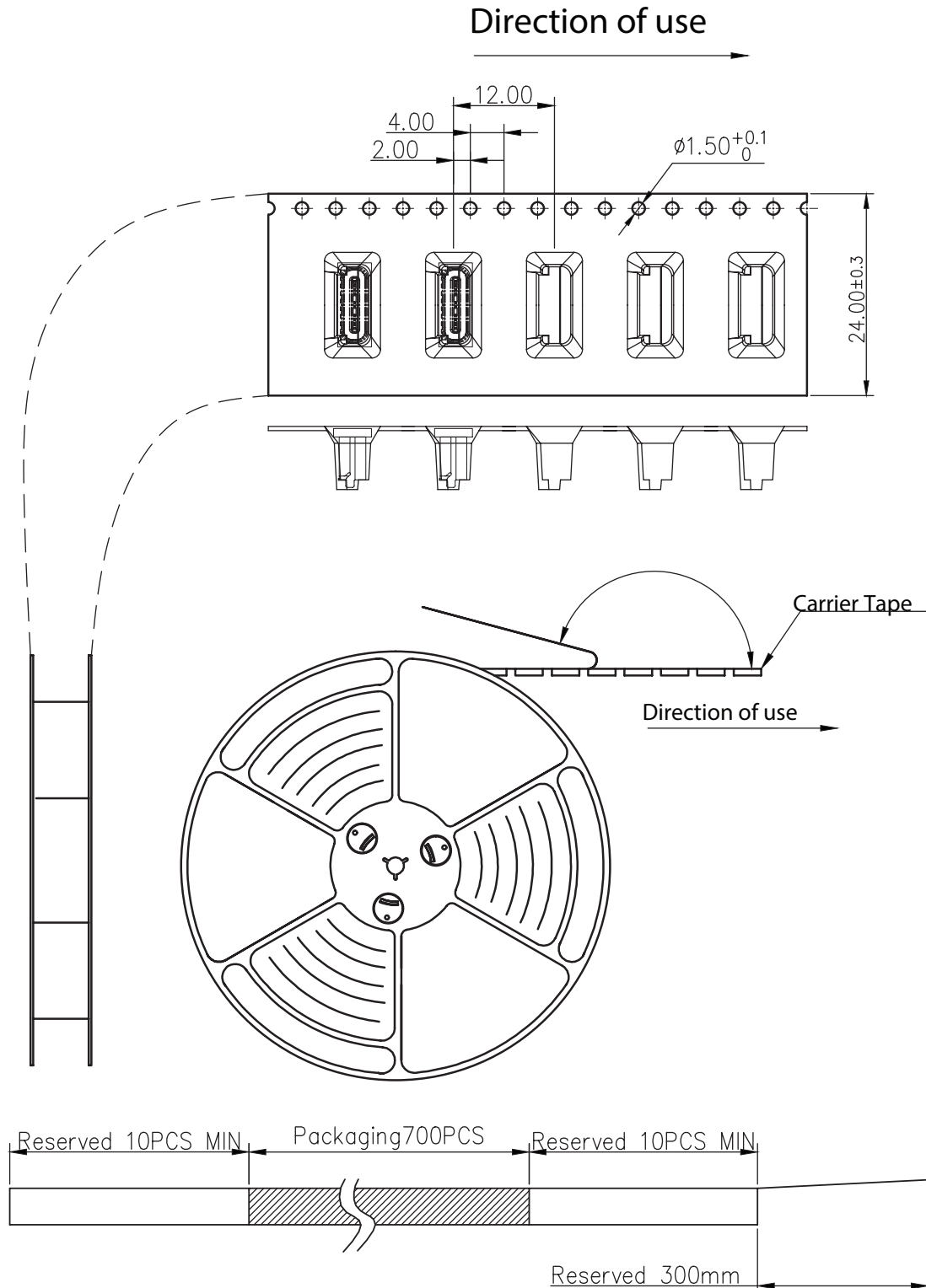


Recommended PCB Layout
Bottom View

PACKAGING

units: mm

Reel Size: $\varnothing 330$ mm
Reel QTY: 700 pcs per reel
Carton Size: 350 x 350 x 340 mm
Carton QTY: 7,000 pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	11/04/2025
1.01	updated PCB layout	06/12/2026

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



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