



**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



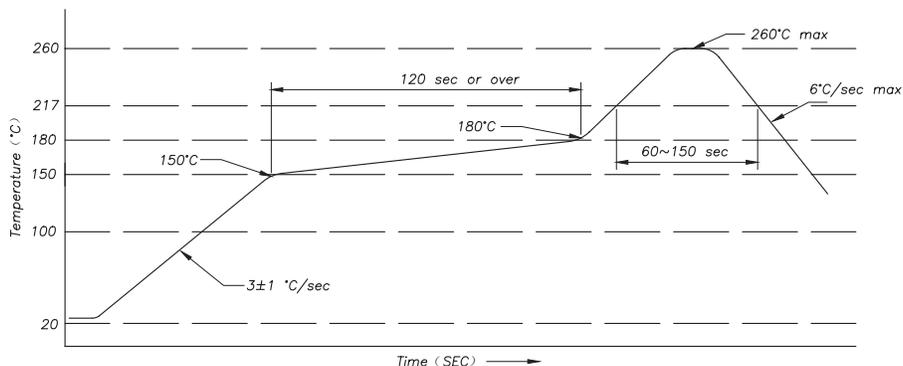
**SPECIFICATIONS**

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 <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	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.

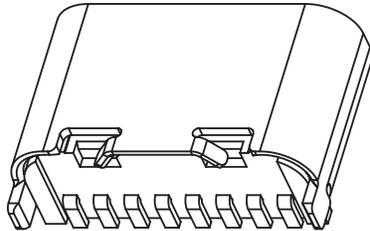
**SOLDERABILITY**

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

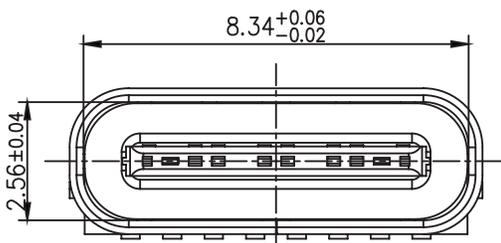
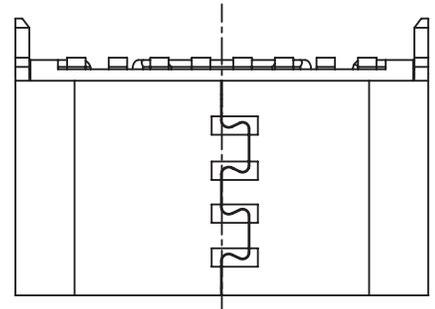
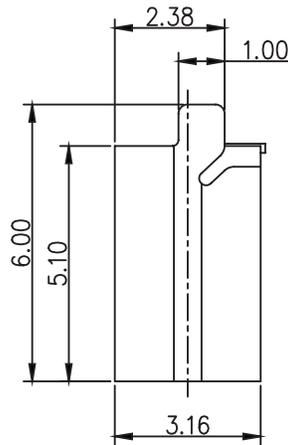
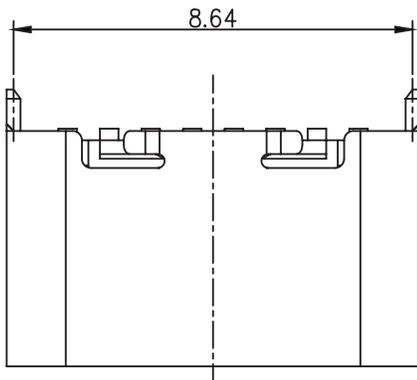
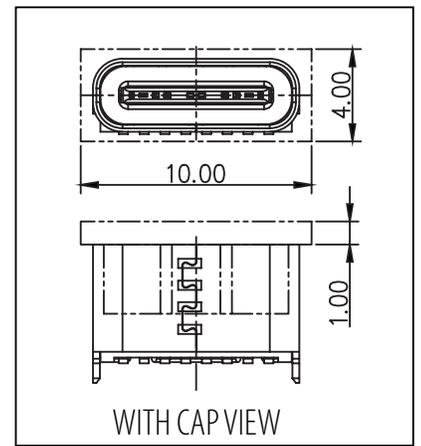
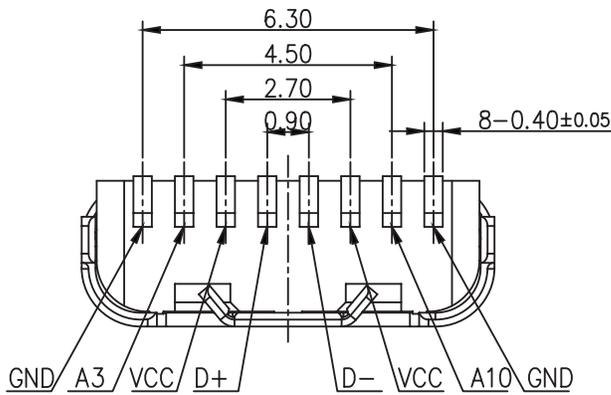


## MECHANICAL DRAWING

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



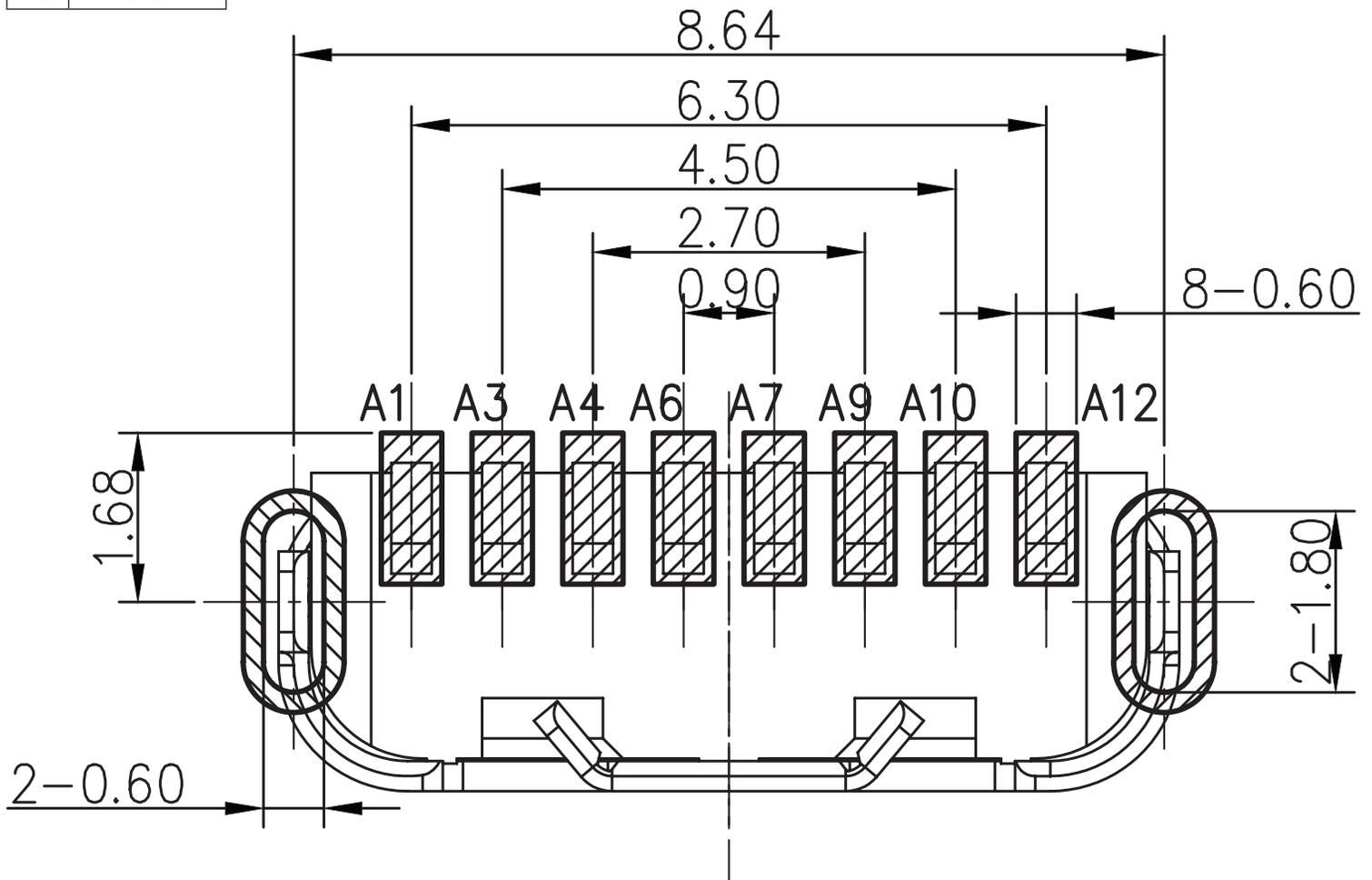
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA46 (UL94V-0)	black
contact	C2680	contact area: gold flash over 50 μ" nickel solder area: 60 μ" matte tin over 50 μ" nickel
shell	SUS304	50 μ" nickel
mid plate	SUS301	--



## MECHANICAL DRAWING (CONTINUED)

units: mm  
 PCB tolerance:  $\pm 0.05$  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

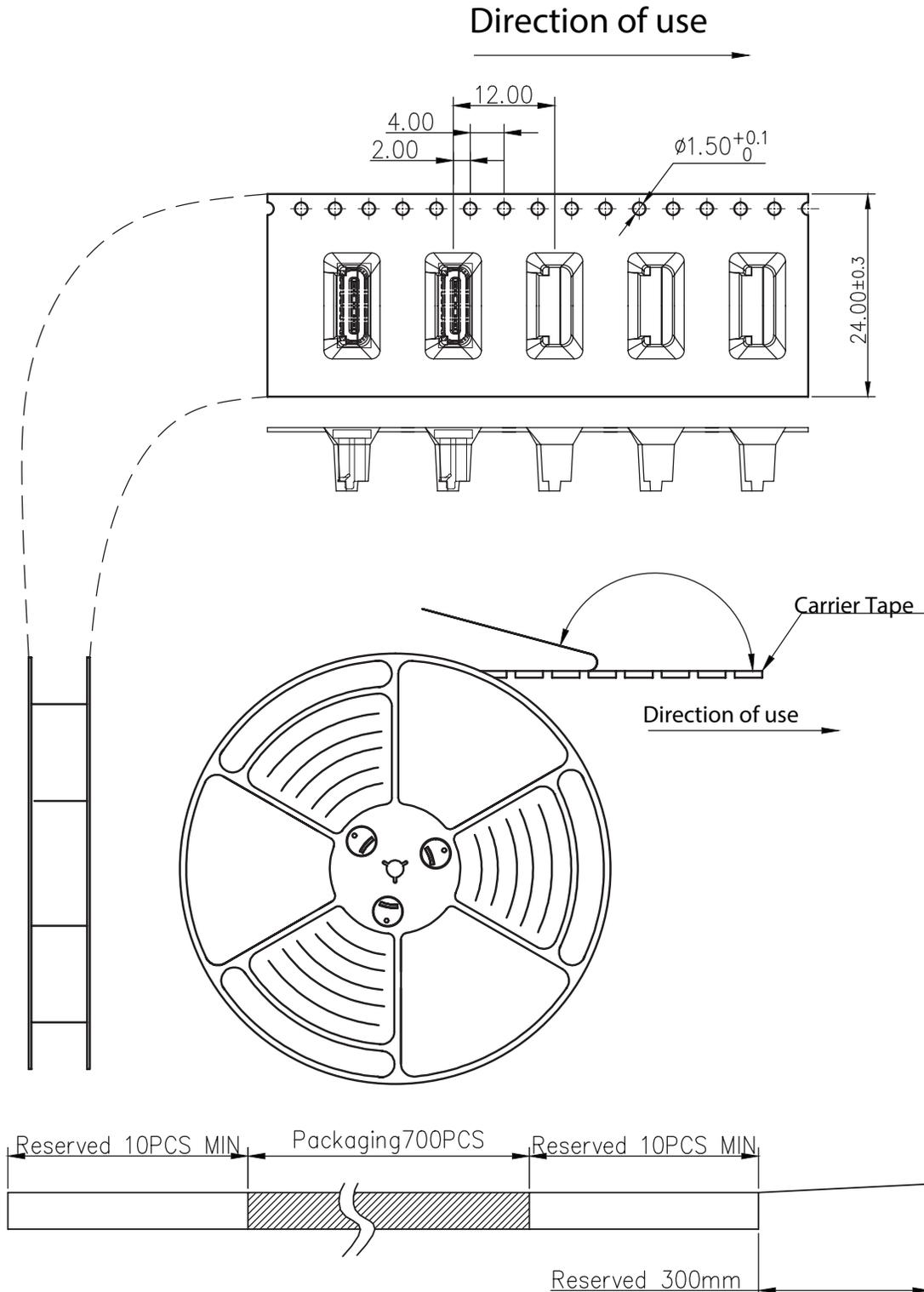


Recommended PCB Layout  
 Top View

## 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

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

[sameskydevices.com](https://www.sameskydevices.com)