

**MODEL:** UJ32-C-H-G-SMT-2-P24-TR | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- USB 3.2 Gen 1
- 5 Gbit/s data transfer speed
- reflow solder compatible
- tape & reel packaging

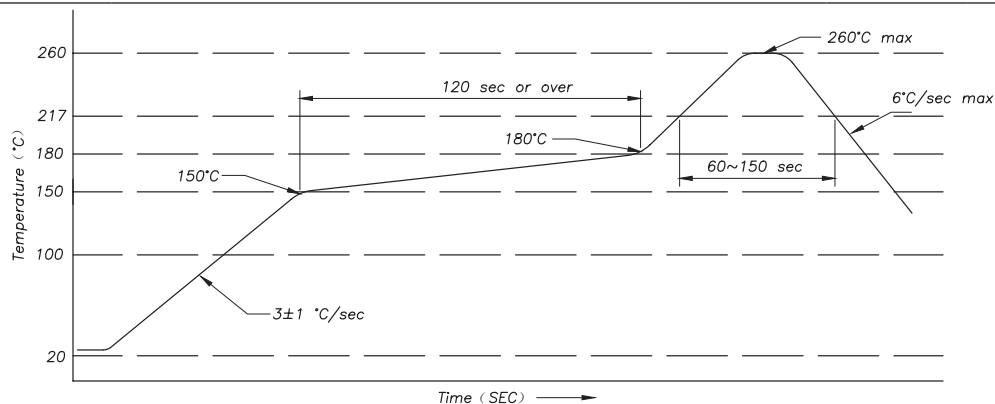
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
USB standard	USB 3.2 Gen 1				
rated input voltage				48	Vdc
rated input current	as per EIA-364-70, Method B				
	power pins collectively [A1, A4, A9, A12, B1, B4, 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 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				

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

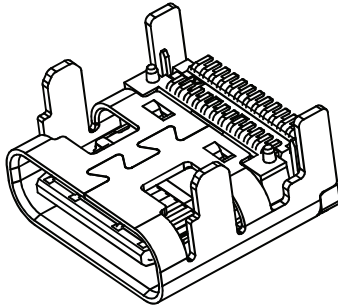
SOLDERABILITY

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

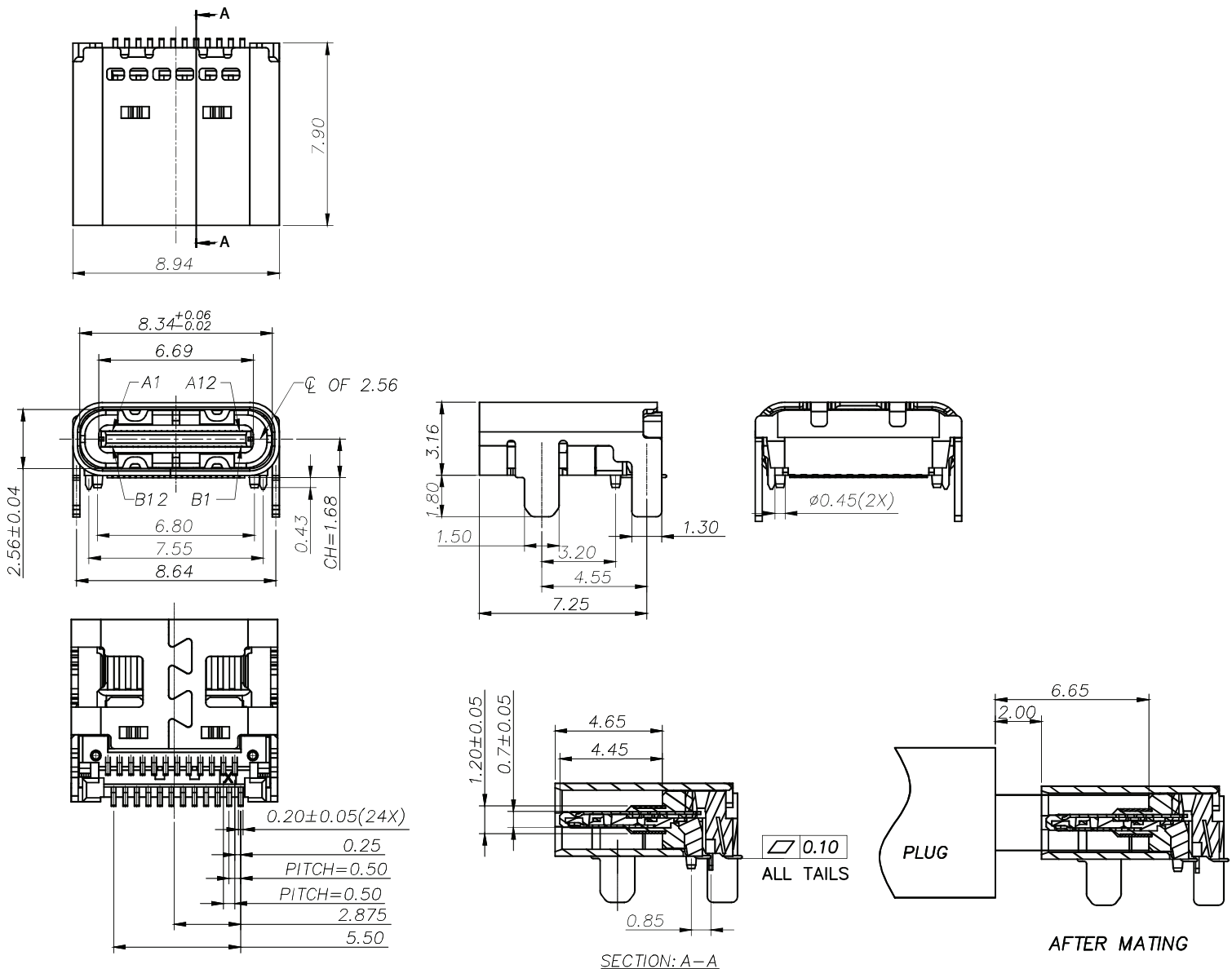


MECHANICAL DRAWING

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	PA9T (UL94V-0)	black
contact	C1815	contact area: 3 μ m gold over 50 μ m nickel solder area: 1 μ m gold over 50 μ m nickel
mid plate	stainless steel	30 μ m nickel
front shell	stainless steel	30 μ m nickel
emi plate	stainless steel	30 μ m nickel



units: mm
PCB tolerance: ± 0.05 mm
PCB thickness: 1.60 mm

RXn2	B3	TXn2
RXp2	B2	TXp2
GND	B1	GND

The drawing shows a 24-pin connector with the following dimensions and labels:

- Pin Labels:** A1 through A12 on the top row and B1 through B12 on the bottom row.
- Dimensions:**
 - Overall width: 8.64
 - Pin pitch (horizontal): 0.50
 - Pin pitch (vertical): 0.50
 - Pin diameter: $\phi 0.55$
 - Pin spacing (A1 to A12): 1.54(2X), 1.20(2X), 1.00(2X), 0.60(2X)
 - Pin spacing (B12 to B1): 1.60(2X), 0.60(2X)
 - Pin spacing (B12 to B11): 2.30(2X), 1.90(2X)
 - Pin spacing (B12 to B10): 0.85(24X)
 - Pin spacing (B12 to B9): 6.80
 - Pin spacing (B12 to B8): 0.60(2X)
 - Pin spacing (B12 to B7): 1.00(2X)
 - Pin spacing (B12 to B6): 8.64
 - Pin spacing (B12 to B5): 3.20
 - Pin spacing (B12 to B4): 0.30
 - Pin spacing (B12 to B3): 1.10
 - Pin spacing (B12 to B2): 4.55
 - Pin spacing (B12 to B1): 7.25

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PACKAGING

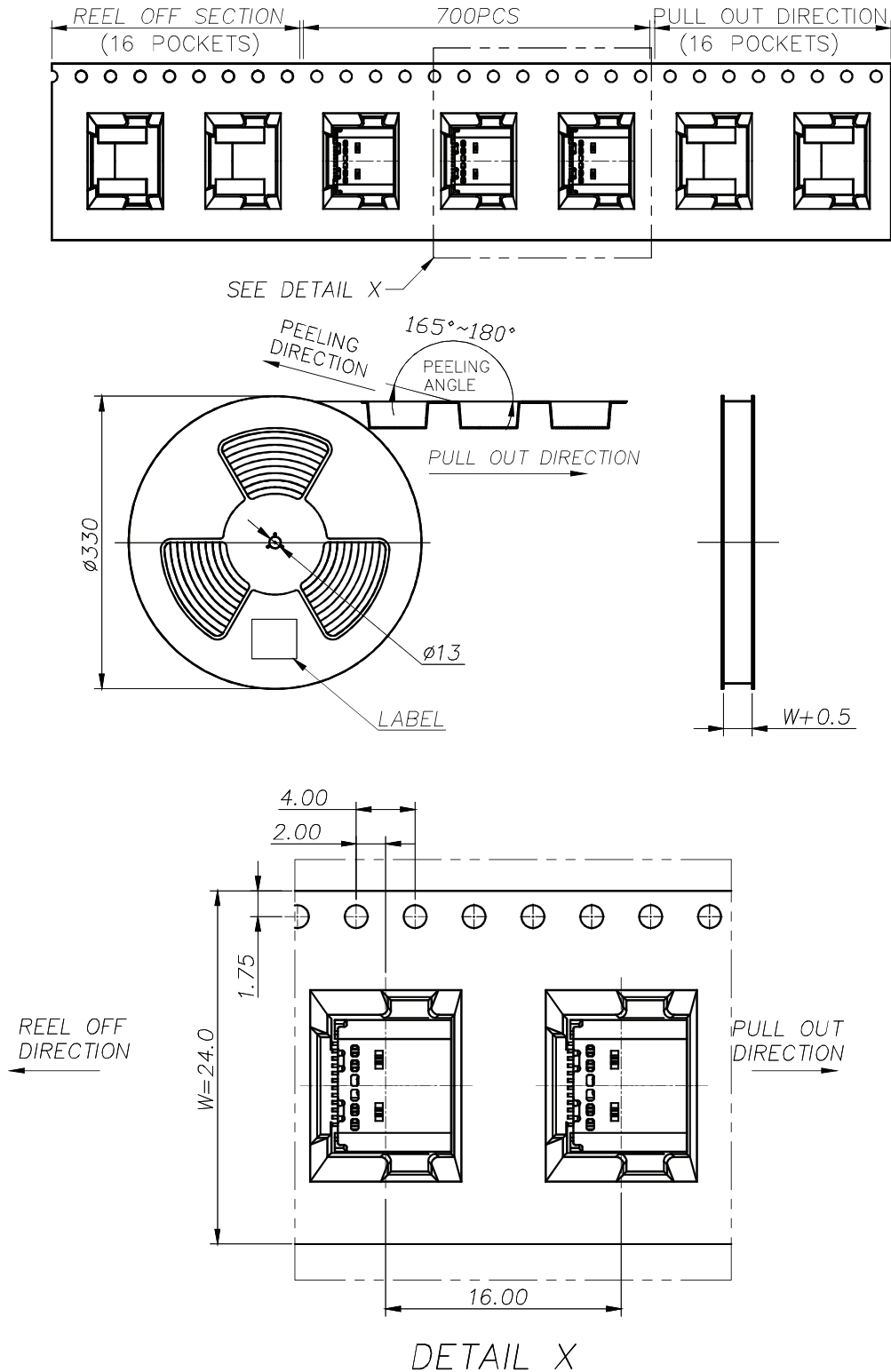
units: mm

Reel Size: $\varnothing 330$ mm

Reel QTY: 700 pcs per reel

Carton Size: 340 x 340 x 320 mm

Carton QTY: 7,000 pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	07/24/2024
1.01	CUI Devices rebranded to Same Sky	09/12/2024

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.

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