

**MODEL:** UJ20-C-H-G-SMT-2-P16-TR | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

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

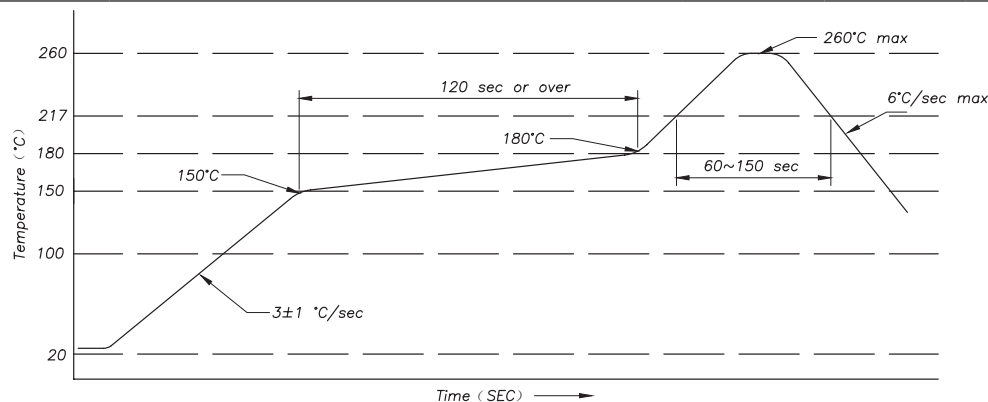
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
USB standard	USB 2.0				
rated input voltage				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.

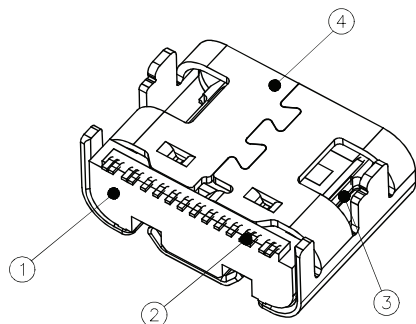
SOLDERABILITY

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

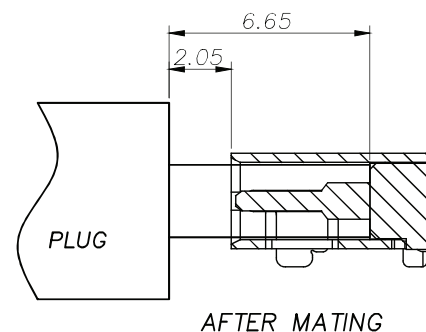
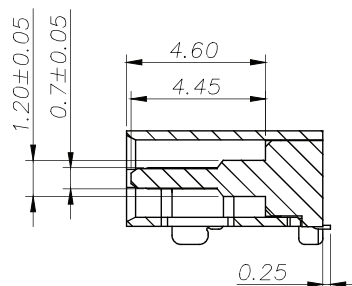
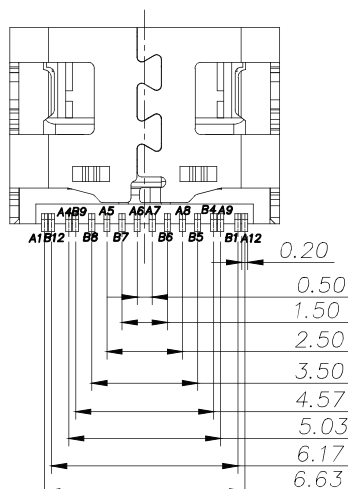
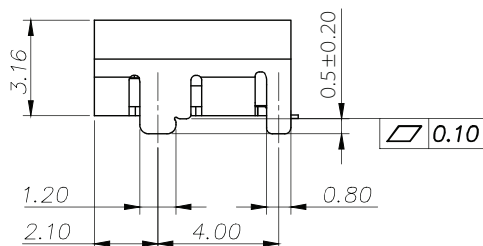
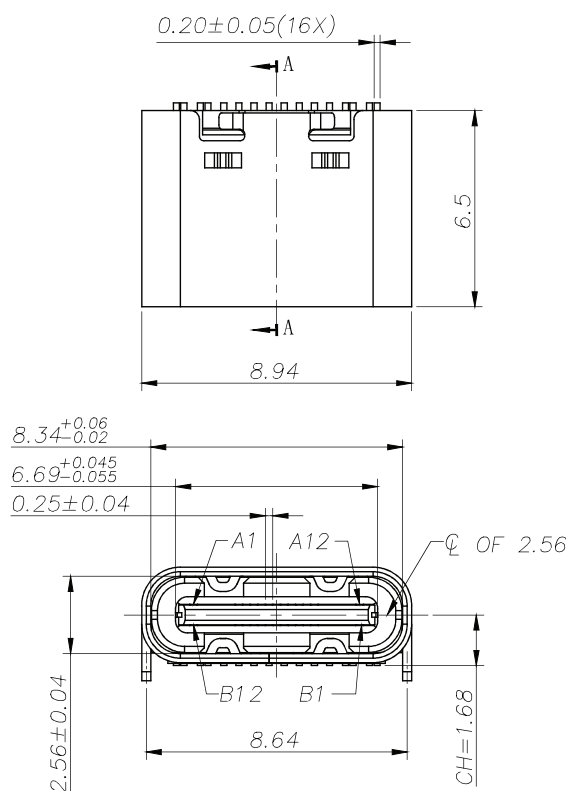


MECHANICAL DRAWING

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



ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PA9T (UL94V-0)	black
2	contact	C1815	contact area: 3 μ " gold over 50 μ " nickel solder area: 1 μ " gold over 50 μ " nickel
3	mid plate	SUS301	30 μ " nickel
4	front shell	SUS304	30 μ " nickel



units: mm
PCB tolerance: ± 0.05 mm
PCB thickness: 0.60 mm

Technical drawing of a 12-pin connector. The drawing shows a top view of the connector with dimensions and labels. The dimensions are as follows:

- Overall width: 8.64
- Overall height: 5.15
- Pin pitch (center-to-center): 0.60 (4X)
- Pin diameter: 0.30 (8X)
- Pin length: 1.50 (2X)
- Pin spacing (from edge): 1.10 (2X)
- Pin spacing (from edge): 1.00 (4X)
- Pin spacing (from edge): 0.60 (4X)
- Pin spacing (from edge): 0.50
- Pin spacing (from edge): 1.50
- Pin spacing (from edge): 2.50
- Pin spacing (from edge): 3.50
- Pin spacing (from edge): 4.80
- Pin spacing (from edge): 6.40

The pins are labeled A1 through A12, B1 through B12, and B13 through B14. The labels are arranged in a grid: A1, B12, A4, B9, B8, A5, B7, A6, A7, B6, A8, B5, B4, A9, B1, A12. The labels A1 through A12 are in the top row, B1 through B12 are in the middle row, and B13 through B14 are in the bottom row. The labels are oriented vertically.

The drawing also includes a dashed line indicating the "PRODUCT EDGE".

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PACKAGING

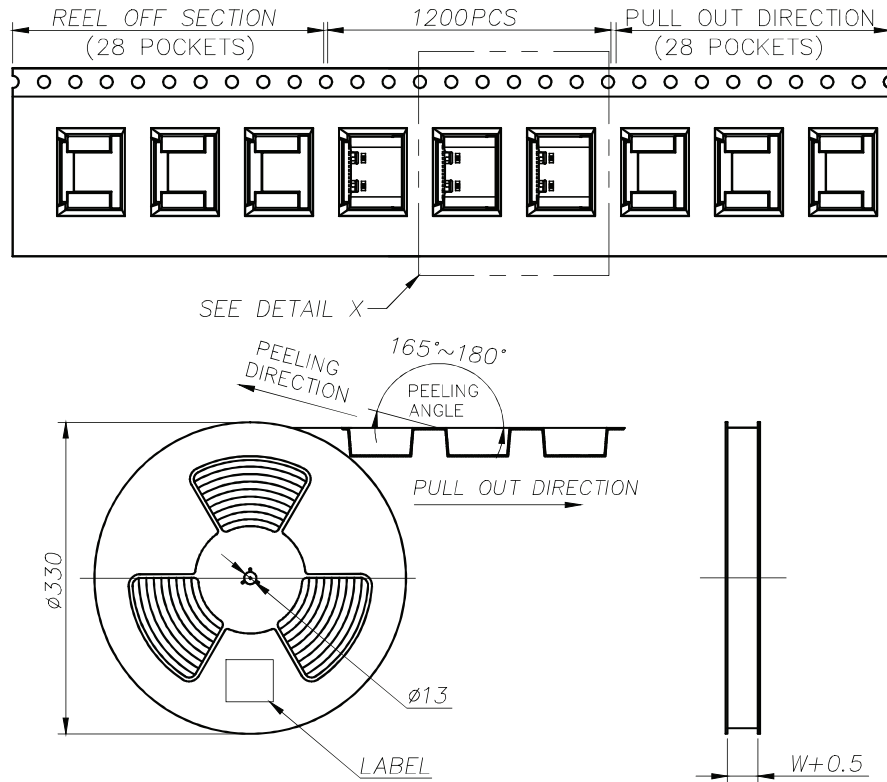
units: mm

Reel Size: $\varnothing 330$ mm

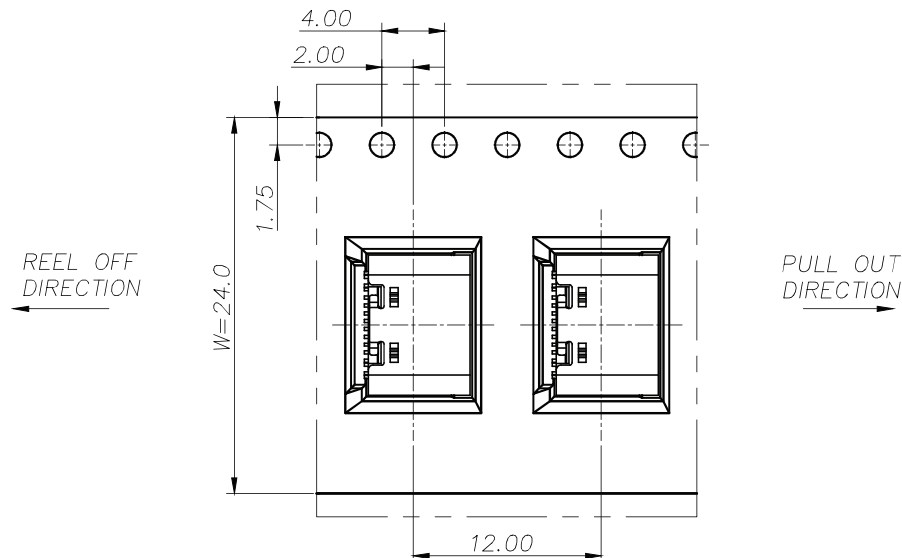
Reel QTY: 1,200 pcs per reel

Carton Size: 330 x 330 x 320 mm

Carton QTY: 12,000 pcs



DETAIL X



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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