

**MODEL:** UJ20-C-H-G-SMT-1A-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				20	Vdc
rated input current	as per EIA-364-70, Method B				
	power pins collectively [A1, A4, A9, A12, B1, B4, B9, B12]			3.0	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.

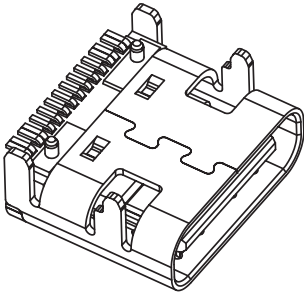
SOLDERABILITY

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

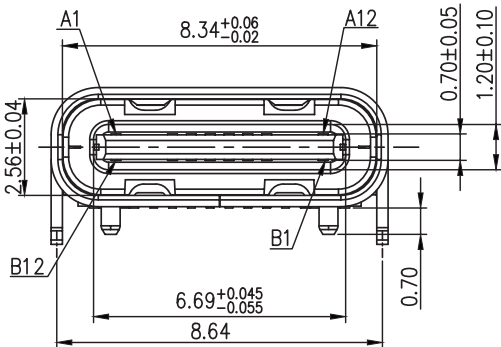
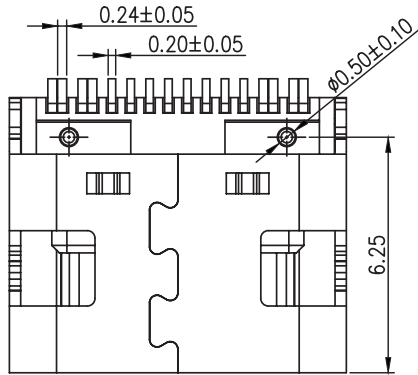
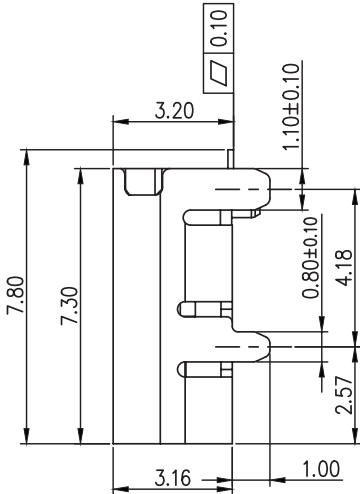
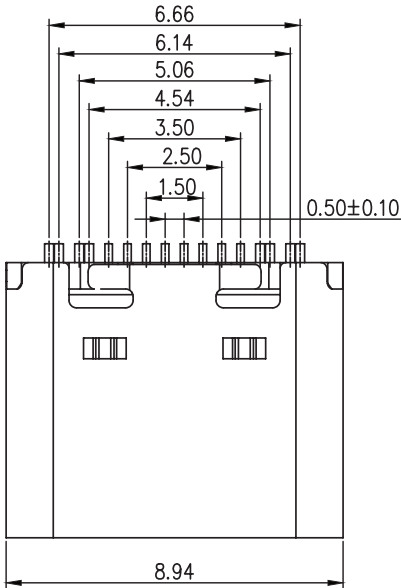
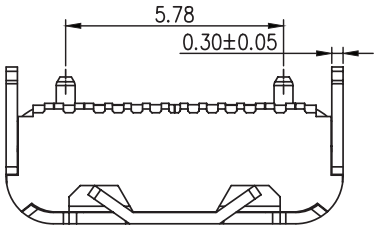


MECHANICAL DRAWING

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 30 μ" nickel solder area: gold flash over 30 μ" nickel
shell	SUS201	30 μ" nickel
mid plate	SUS301	--



units: mm
PCB tolerance: ± 0.05 mm
PCB thickness: 1.0 mm

Technical drawing of a mechanical component, likely a bracket or plate, showing dimensions and labels.

Dimensions:

- Overall width: 8.64
- Overall height: 4.18
- Top section width: 6.40
- Top section height: 1.80
- Bottom section width: 5.78
- Bottom section height: 2.60
- Top section width (inner): 4.80
- Top section width (inner): 3.50
- Top section width (inner): 0.30*8
- Top section width (inner): 0.50
- Top section width (inner): 0.60*4
- Top section width (inner): 0.60
- Top section width (inner): 1.00
- Top section width (inner): 1.40
- Top section width (inner): 1.70
- Top section width (inner): 2.10
- Top section width (inner): 3.68
- Top section width (inner): 4.18
- Top section width (inner): 5.78
- Top section width (inner): 6.40
- Top section width (inner): 8.64

Labels:

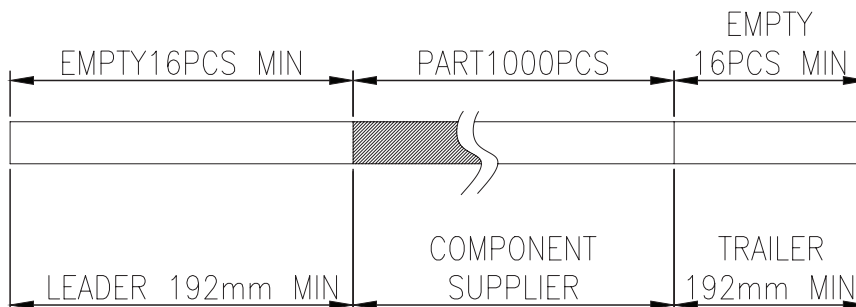
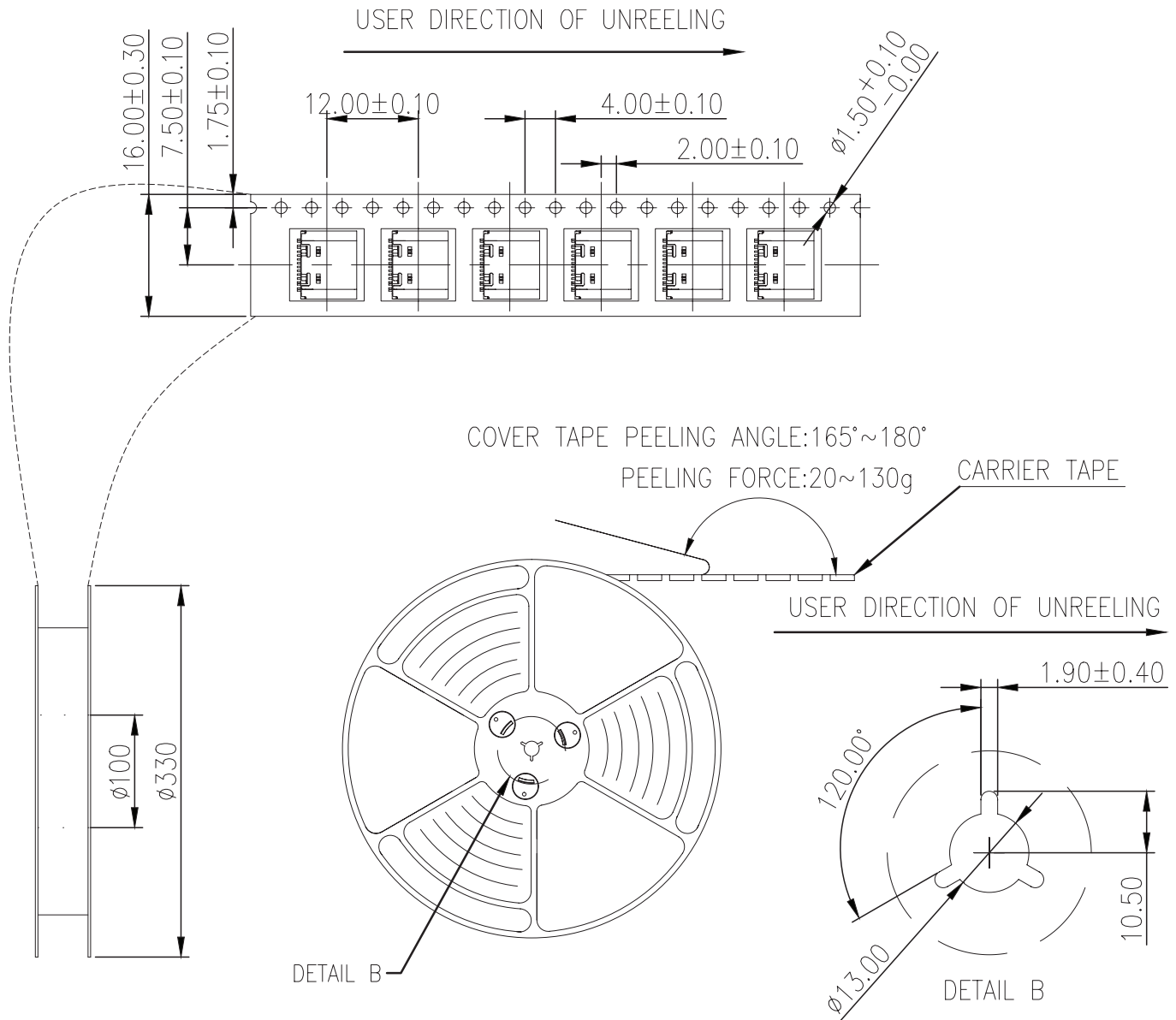
- A1, B1, A2, B2, A3, B3, A4, B4, A5, B5, A6, B6, A7, B7, A8, B8, A9, B9, A10, B10, A11, B11, A12, B12
- Ø0.65
- PRODUCT EDGE

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PACKAGING

units: mm

Reel Size: $\varnothing 330$ mm
Reel QTY: 1,000 pcs per reel
Carton Size: 340 x 340 x 325 mm
Carton QTY: 15,000 pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	11/03/2025

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.

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