

**MODEL:** UJ32-21-C-H-G3-MHMT-H1-P24-TR-X7 | **DESCRIPTION:** USB RECEPTACLE

FEATURES

- USB Type C receptacle
- USB 3.2 Gen 2x1
- 10 Gbit/s data transfer speed
- IPX7
- reflow solder compatible (including o-ring)
- tape & reel packaging



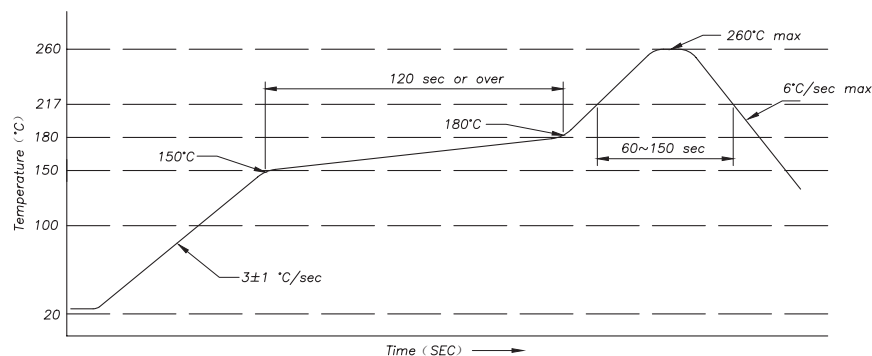
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
USB standard	USB 3.2 Gen 2x1				
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]			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 250 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		-40		80	°C
flammability rating	UL94V-0				
RoHS	yes				
IP level	IPX7				

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

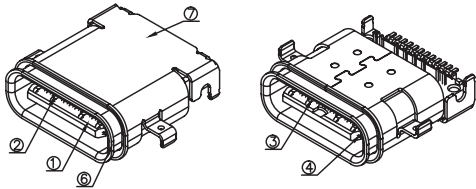
SOLDERABILITY

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

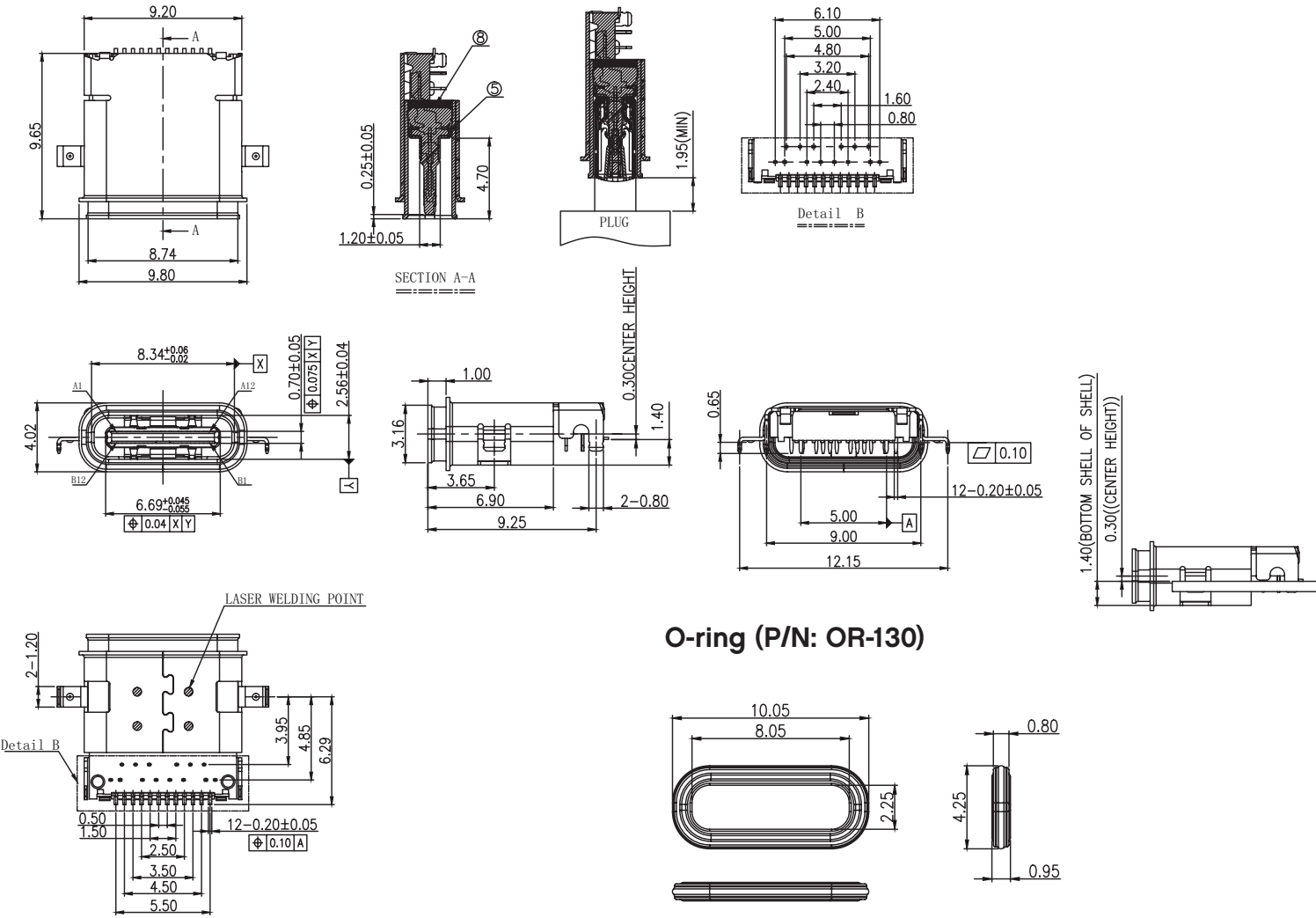


MECHANICAL DRAWING

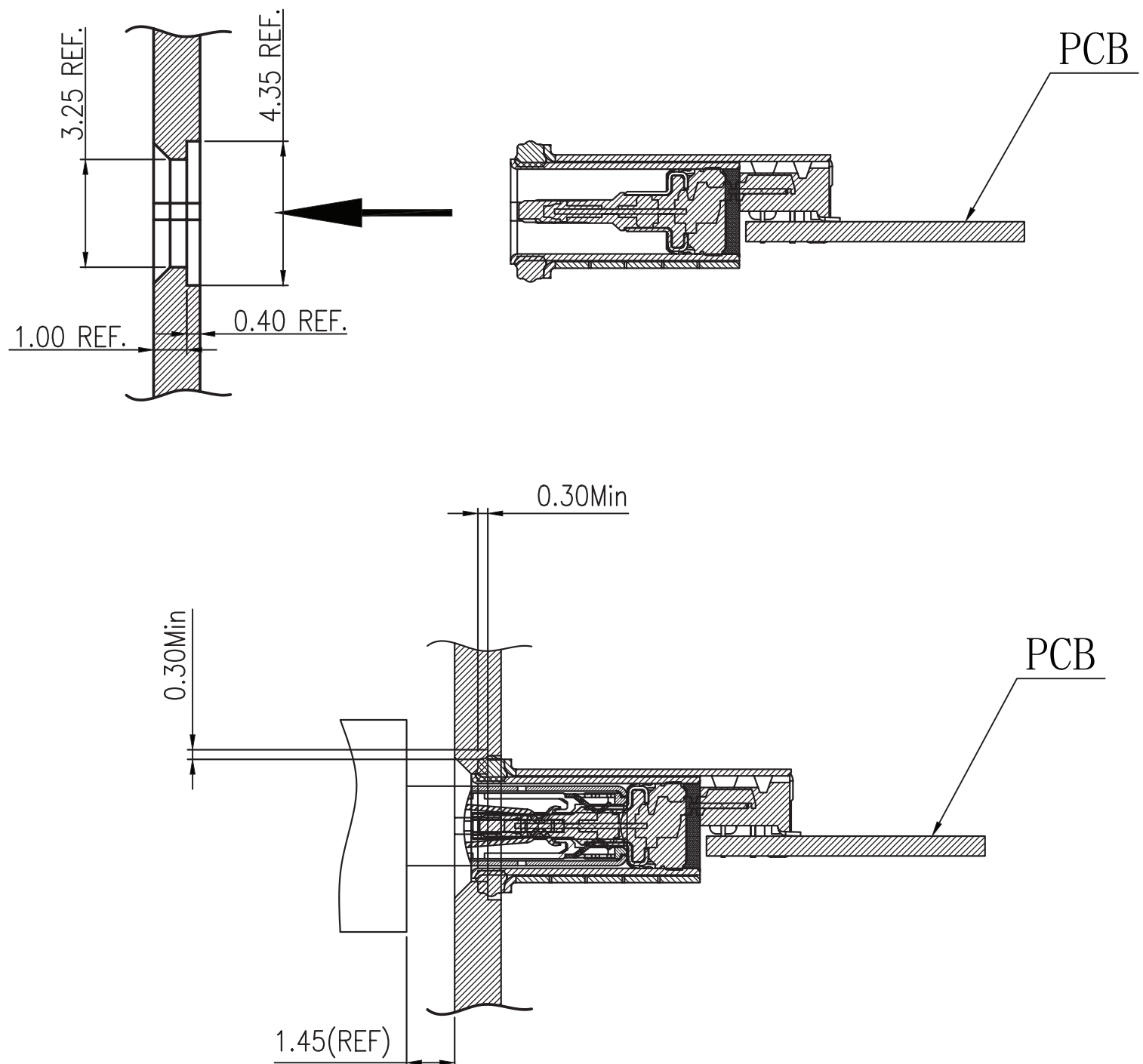
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
unless otherwise specified



ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PA9T (UL94V-0)	black
2	contact 1	C7025 t=0.12 mm	contact area: 15 μ" gold over 20 μ" nickel solder area: gold flash over 20 μ" nickel
3	contact 2	C7025 t=0.12 mm	contact area: 15 μ" gold over 20 μ" nickel solder area: gold flash over 20 μ" nickel
4	mid plate	SUS301 t=0.15 mm	--
5	GND plate	SUS304 t=0.10 mm	20 μ" nickel
6	shell 1	SUS304 t=0.20 mm	20 μ" nickel
7	shell 2	SUS304 t=0.20 mm	20 μ" nickel
8	glue	epoxy	black
9	o-ring (OR-130)	silica gel	black



ASSEMBLY REFERENCE



PACKAGING

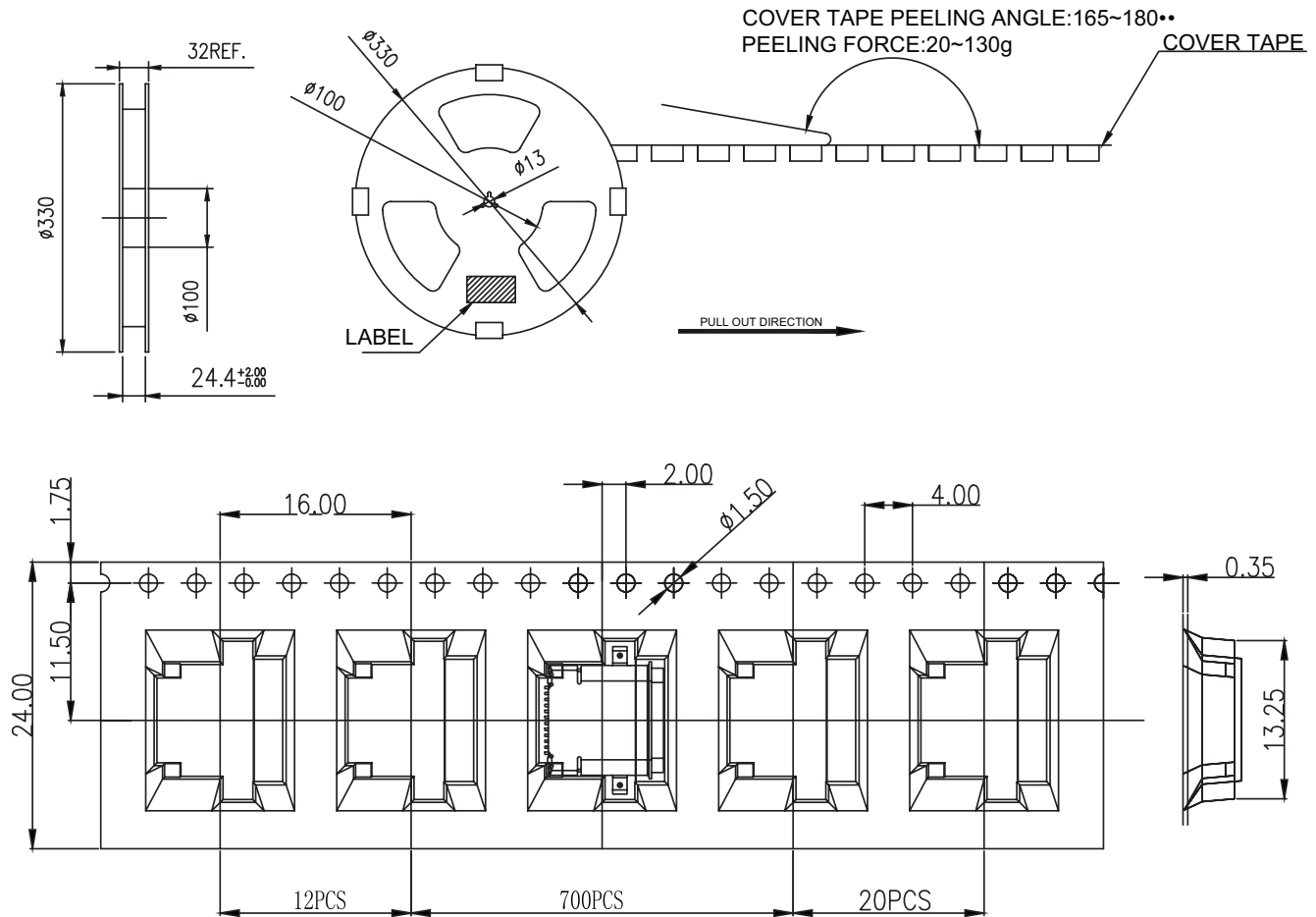
units: mm

Reel Size: $\varnothing 330$

Reel QTY: 700 pcs per reel

Carton Size: 350 x 340 x 310 mm

Carton QTY: 7,000 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.

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