

**MODEL:** UJ32-1-C-H-G1-MHMT-P24-TR-X7 | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- USB 3.2 Gen 1
- 5 Gbits/s data transfer speed
- IPX7
- reflow solder compatible (including o-ring)
- tape & reel packaging

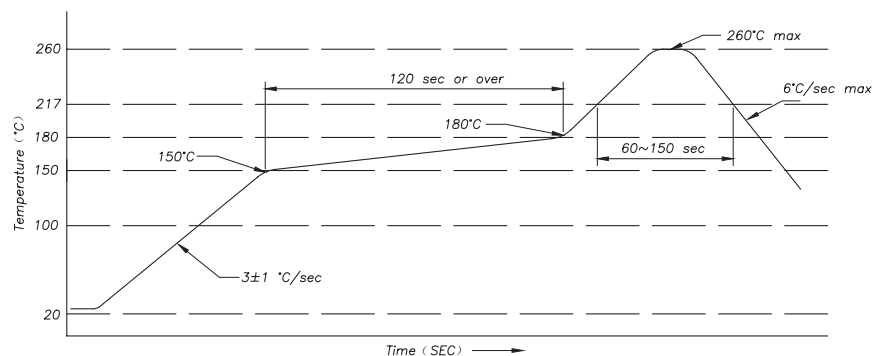
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
USB standard	USB 3.2 Gen 1				
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 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		-40		85	°C
flammability rating	UL94V-0				
RoHS	yes				
IP level	IPX7				

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

SOLDERABILITY

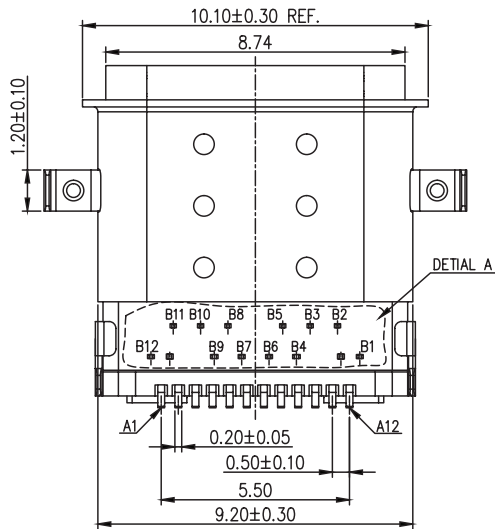
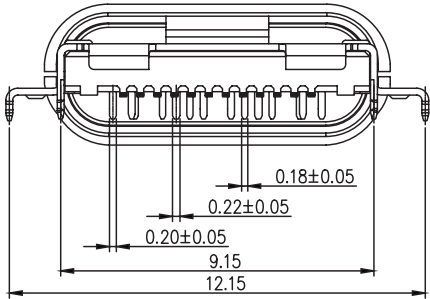
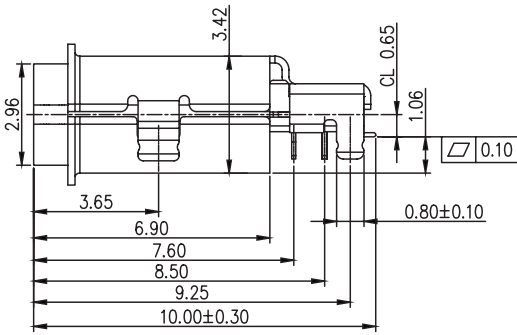
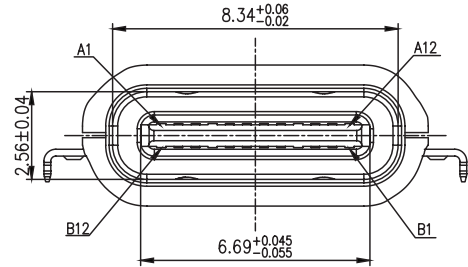
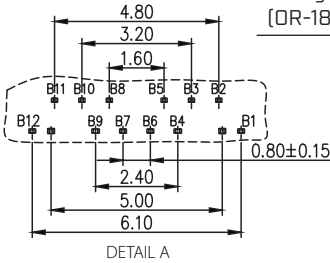
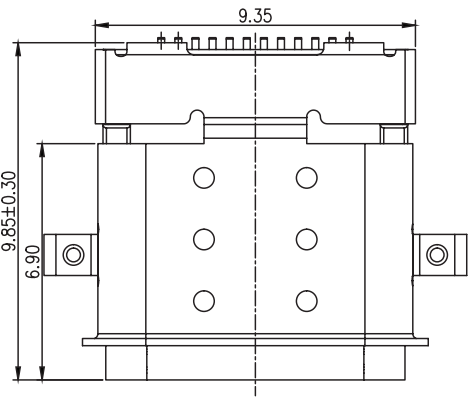
parameter	conditions/description	min	typ	max	units
reel storage	at 20~30°C, 40~75% humidity				
reflow soldering	see reflow profile			260	°C



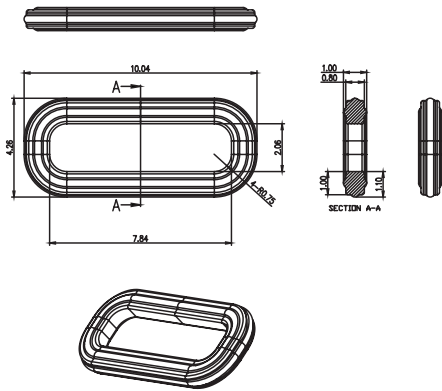
MECHANICAL DRAWING

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

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA9T (UL94V-0)	black
contact	C7025	contact area: 1 μ" gold over 30 μ" nickel solder area: 50 μ" tin over 30 μ" nickel
mid plate	SUS301	50 μ" tin over 30 μ" nickel
outer shell	SUS304	30 μ" nickel
inner shell	SUS316	30 μ" nickel
glue	hybrid epoxy	--
o-ring (OR-180)	silica gel	light blue



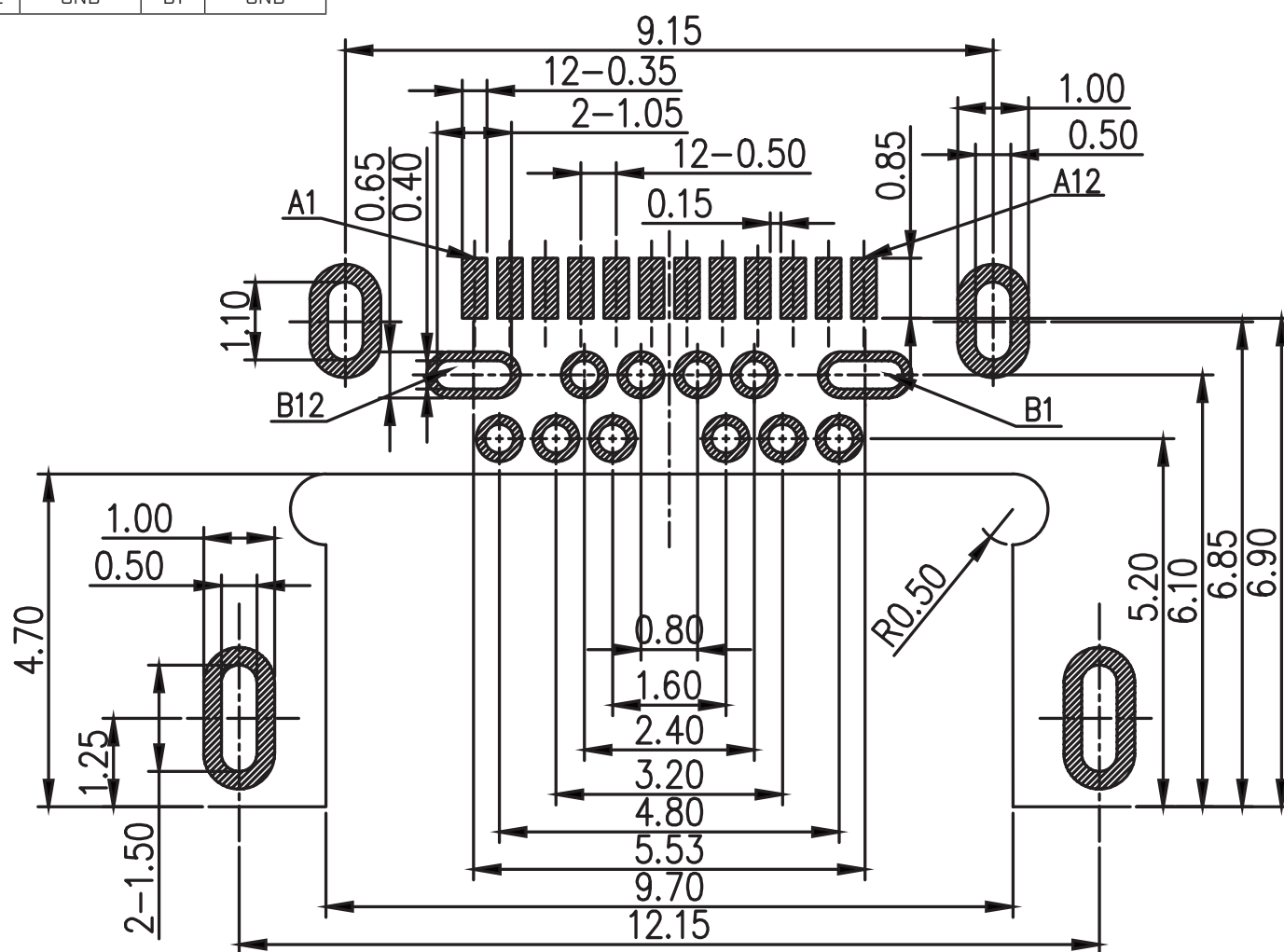
O-ring (P/N: OR-180)



MECHANICAL DRAWING (CONTINUED)

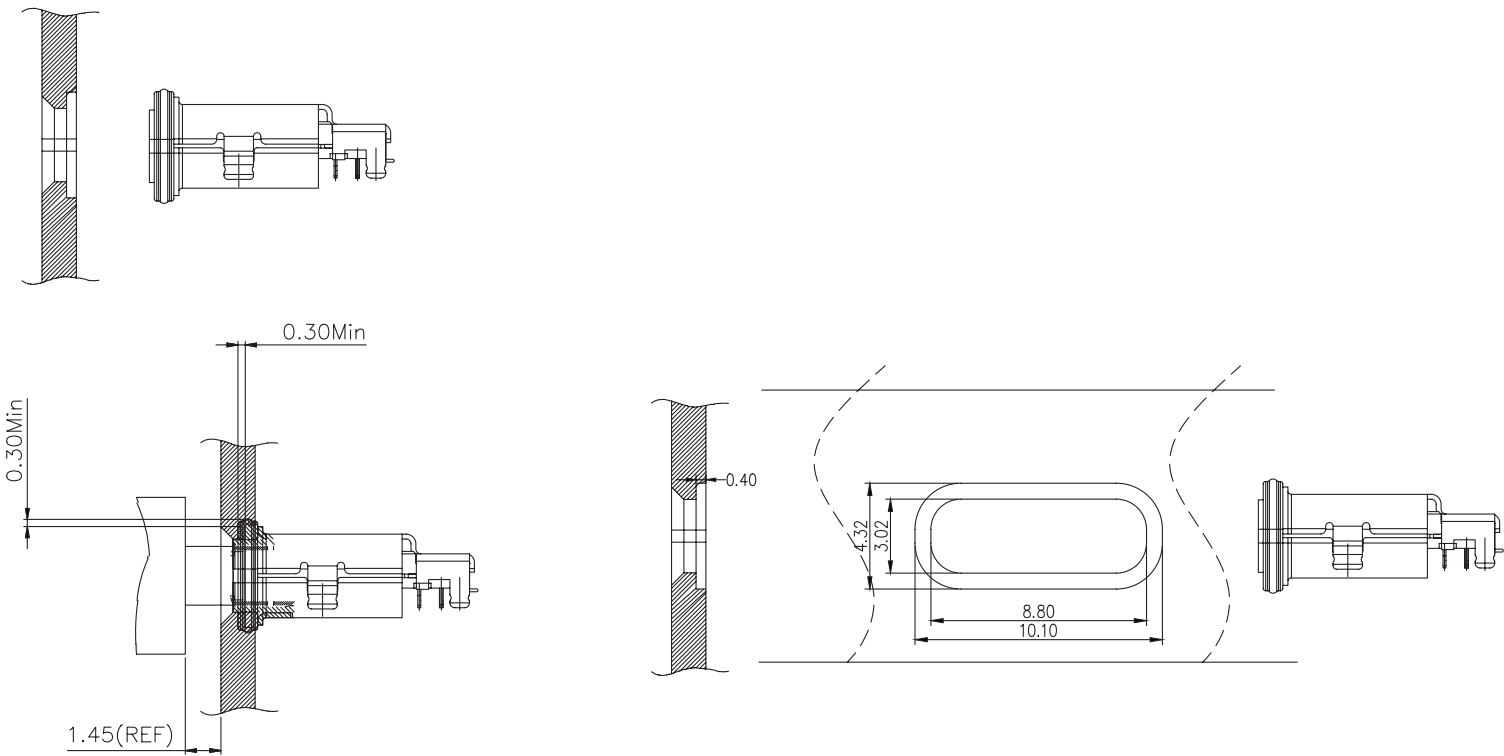
units: mm
PCB tolerance: ± 0.05 mm
PCB thickness: 1.0 mm

PIN CONNECTIONS			
PIN	SIGNAL NAME	PIN	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND



Recommended PCB Layout
Top View

ASSEMBLY REFERENCE



PACKAGING

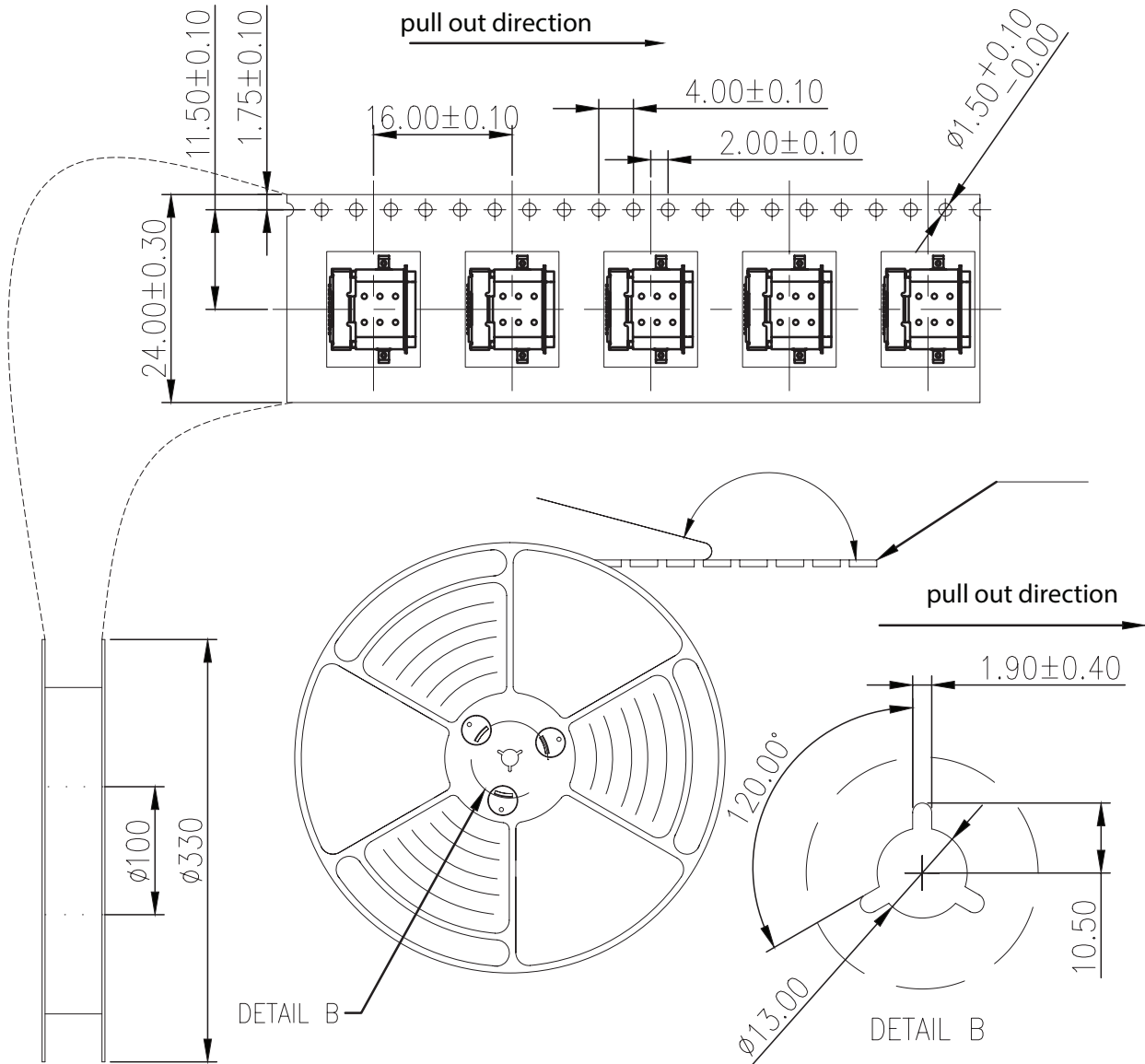
units: mm

Reel Size: $\varnothing 330$

Reel QTY: 800 pcs per reel

Carton Size: 360 x 360 x 220 mm

Carton QTY: 8,000 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.

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