CUDEVICES

MODEL: UJ2-MIBH-4-SMT-TR-67 | **DESCRIPTION:** USB RECEPTACLE

FEATURES

- IP67 waterproof
- USB mircro B type jack
- USB 2.0
- surface mount
- lock plate



RoHS IP67

SPECIFICATIONS

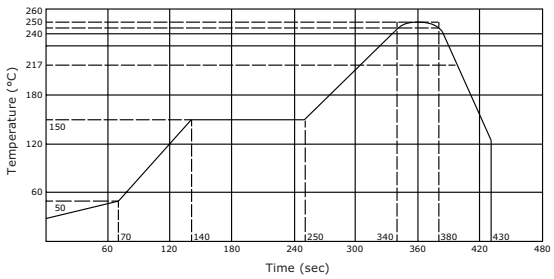
parameter	conditions/description	min	typ	max	units
USB standard	USB 2.0				
rated input voltage				30	Vac
rated input current	pins 1, 5 pins 2, 3, 4			1.8 0.5	A A
contact resistance[1]	between terminals and mating plug			30	mΩ
insulation resistance		100			MΩ
voltage withstand				250	Vac
insertion force				35	N
withdrawal force		8			N
life	at a rate of 500 ± 50 cycles per hour		10,000		cycles
operating temperature		-25		85	°C
flammability rating	UL94V-0				
RoHS	yes				
IP level	IP67				

Note: 1. When measured at 20 mV / 100 mA.
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

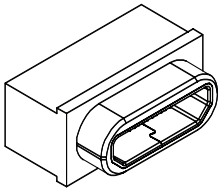
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering[3]	see reflow profile	245	250	255	°C
drying conditions[4]	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

Note: 3. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
4. When exceeding floor life by >72 hours.

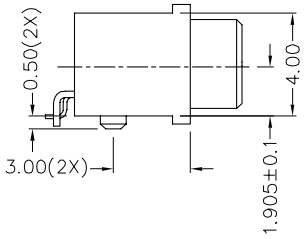


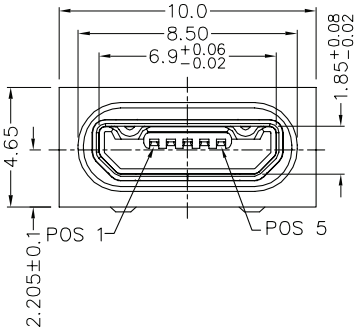
MECHANICAL DRAWING

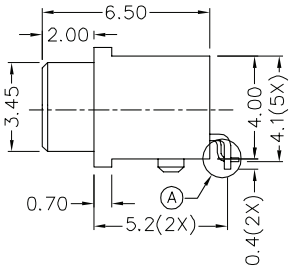
units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm
PCB: ±0.05 mm

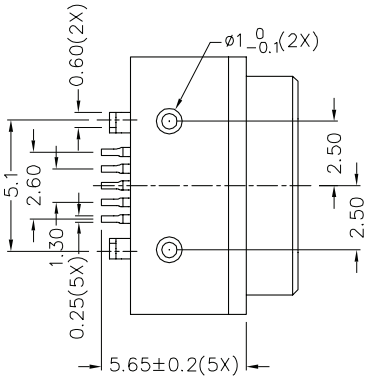


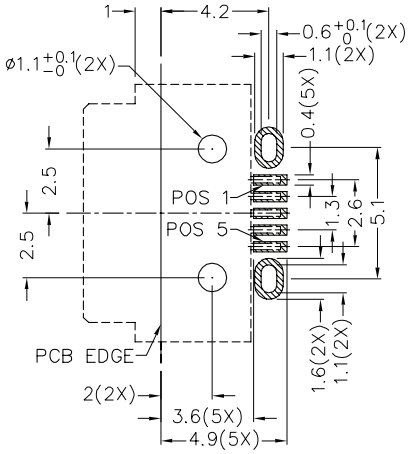
	MATERIAL	PLATING
contact terminals	copper alloy	contact: gold flash over nickel solder: nickel
shell	stainless steel	nickel
insulator	LCP	
housing	PA10T	
o-ring (OR-10)	silicone	



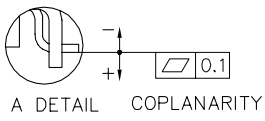




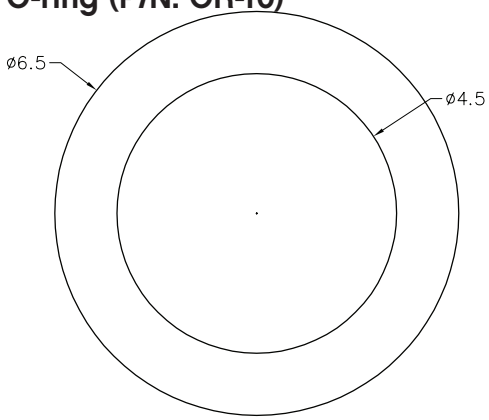


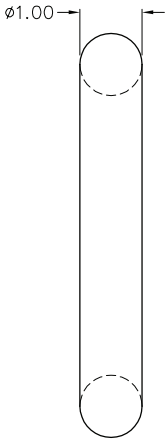


Recommended PCB Layout
Top View

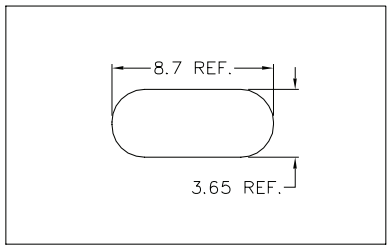


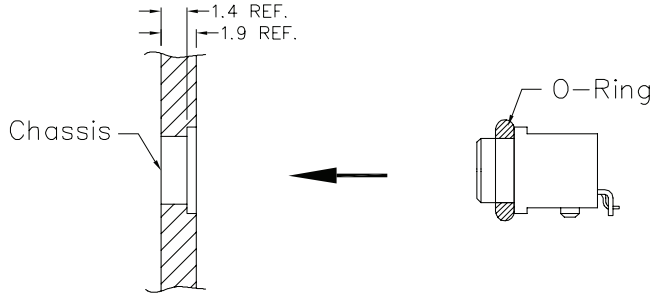
O-ring (P/N: OR-10)

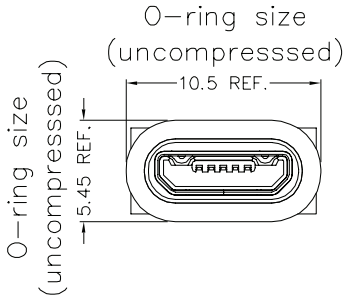


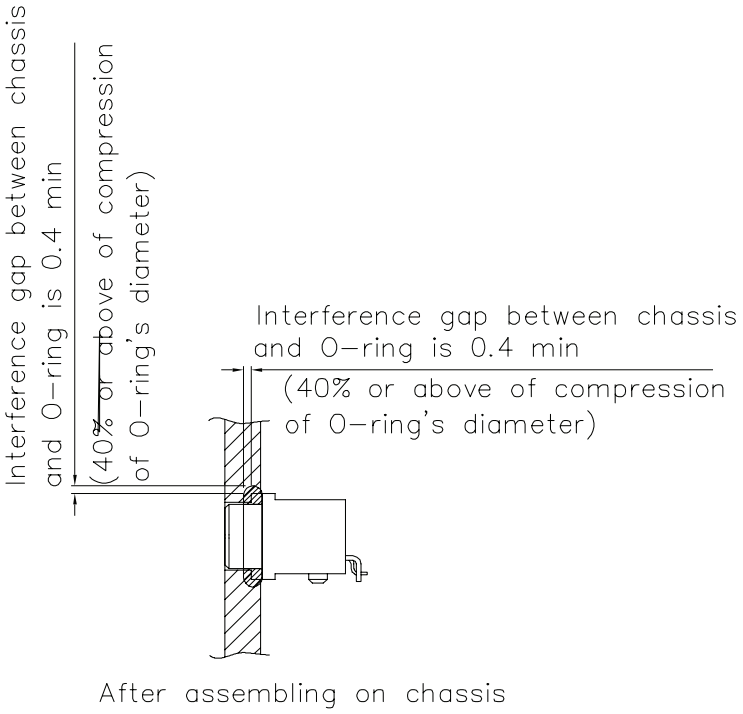


ASSEMBLY REFERENCE





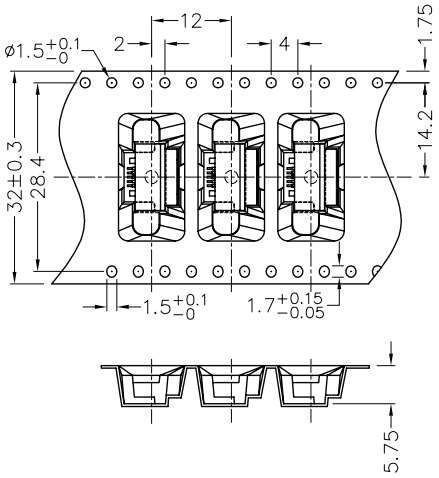


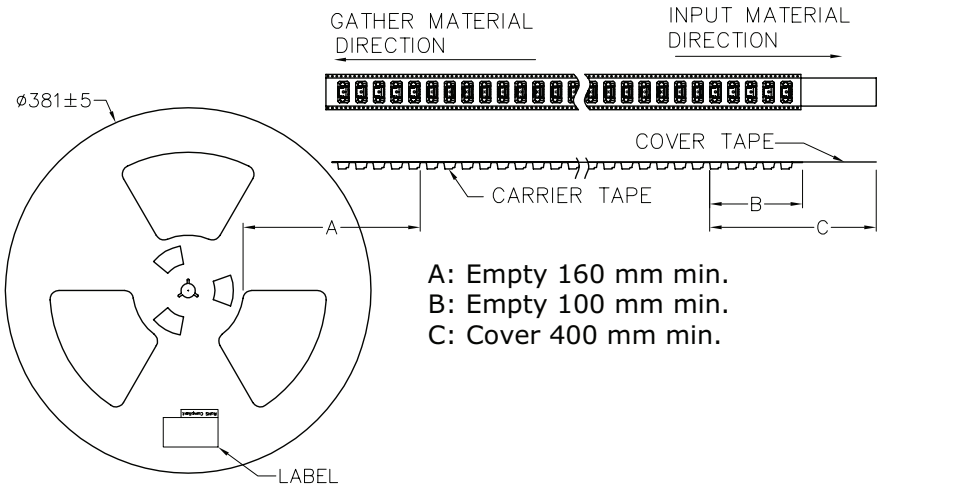


PACKAGING

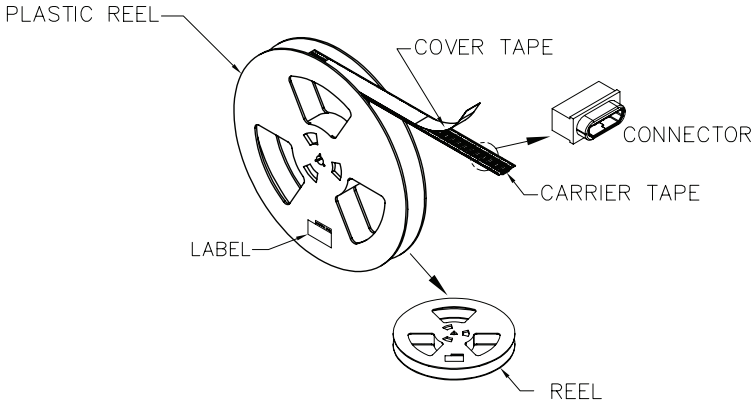
units: mm

Reel Size: Ø381 mm
Reel QTY: 1,350 pcs per reel





A: Empty 160 mm min.
B: Empty 100 mm min.
C: Cover 400 mm min.



REVISION HISTORY

rev.	description	date
1.0	initial release	08/07/2018
1.01	brand update	01/28/2020
1.02	added USB standard, added o-ring p/n	04/19/2022
1.03	logo, datasheet style update	08/05/2022

The revision history provided is for informational purposes only and is believed to be accurate.

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