

**MODEL:** UJ40-C-V-SMT-TR-68 | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- IP68
- USB 4.0
- o-ring shipping options
- tape & reel packaging

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
USB standard	USB 4.0				
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]			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	between adjacent contacts	100			MΩ
voltage withstand	between adjacent contacts	100			Vac
insertion force		5		20	N
withdrawal force		8		20	N
life			10,000		cycles
operating temperature		-40		85	°C
flammability rating	UL94V-0				
RoHS	yes				
IP level	IP68				

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.

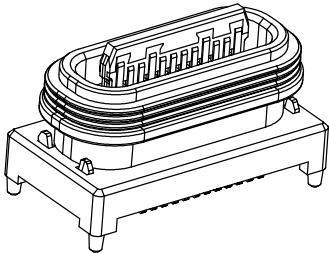
PART NUMBER KEY**UJ40 - C - V - SMT - TR - 68 - X**

Base Number

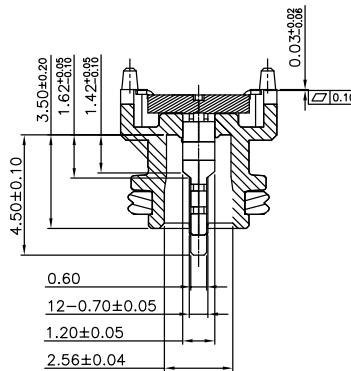
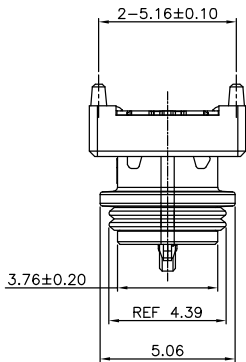
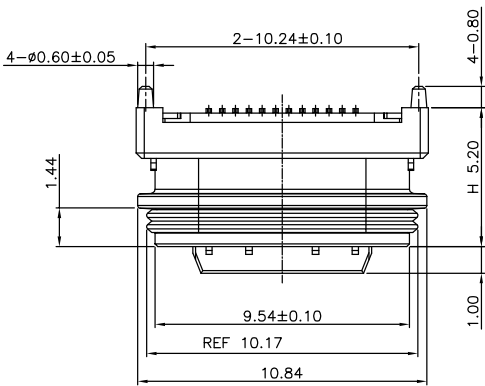
o-ring:
"blank" = o-ring assembled on part
N = o-ring is on the side

MECHANICAL DRAWING

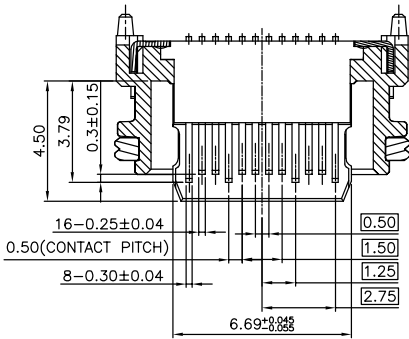
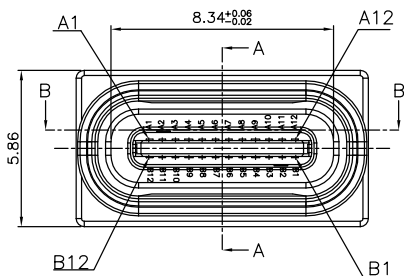
units: mm
tolerance:
X. ± 0.50 mm
X.X ± 0.30 mm
X.XX ± 0.20 mm
X.XXX ± 0.10 mm
unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
insulator	LCP (UL94V-0)	black
contact	copper alloy t=0.15 mm	contact area: gold flash over tin-nickel solder area: tin over nickel
shell	stainless steel t=0.25 mm	nickel
o-ring	silicone	black

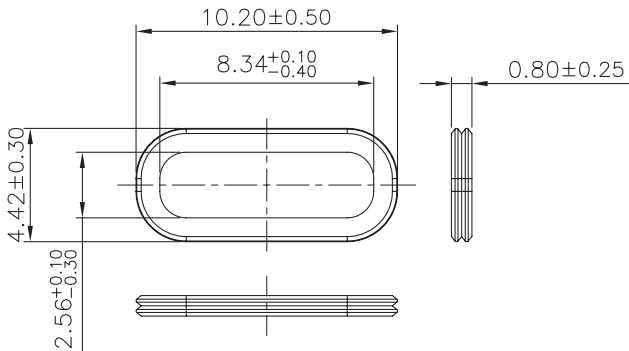
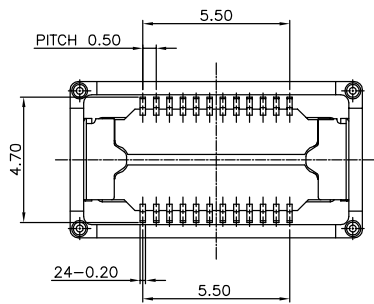


SECTION A-A



SECTION B-B

O-ring



ASSEMBLY REFERENCE

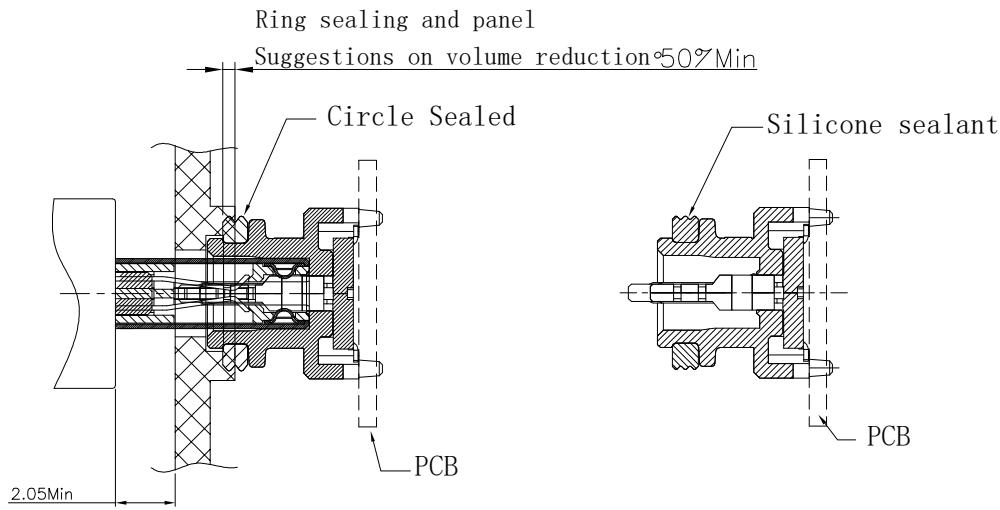
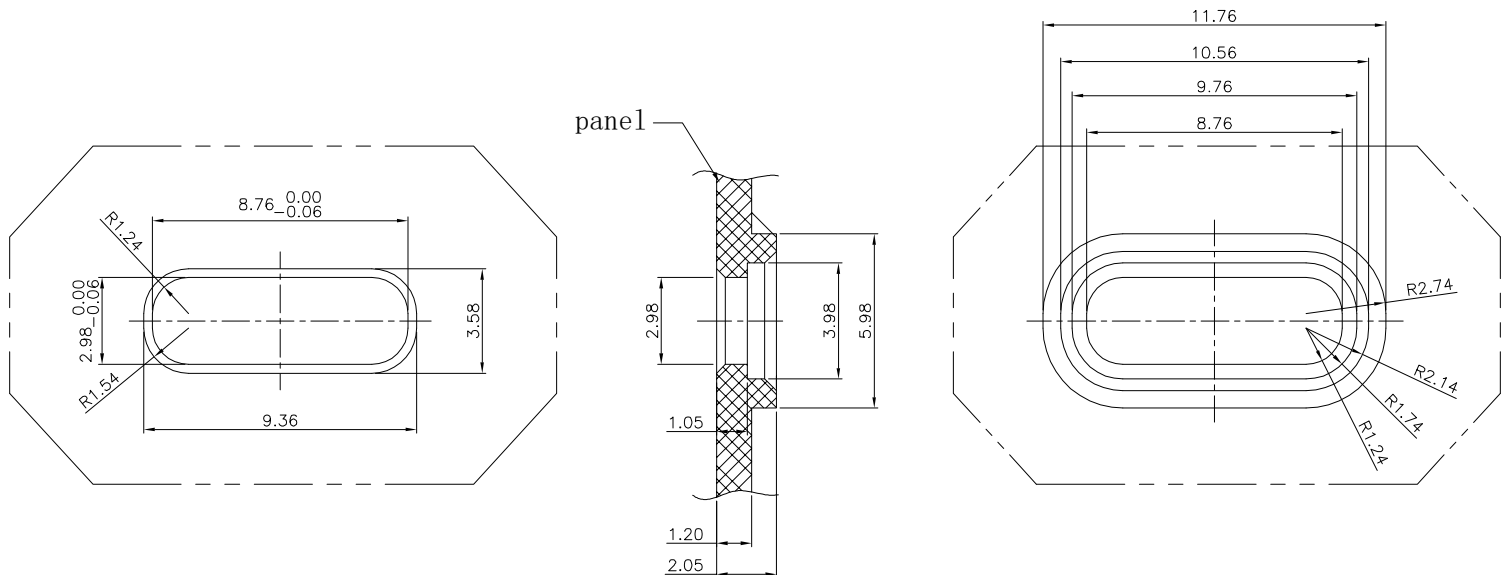


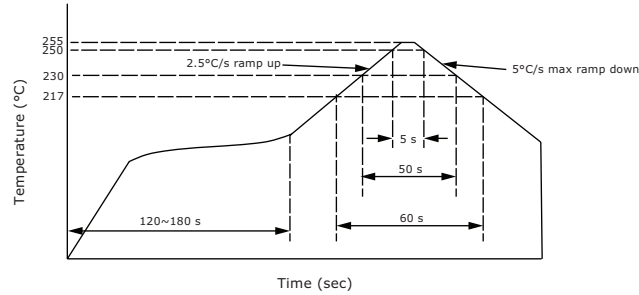
Diagram showing the female and male connectors for rear panel assembly



SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity 65~70%	25		30	°C
reflow soldering ³	see reflow profile		255	260	°C

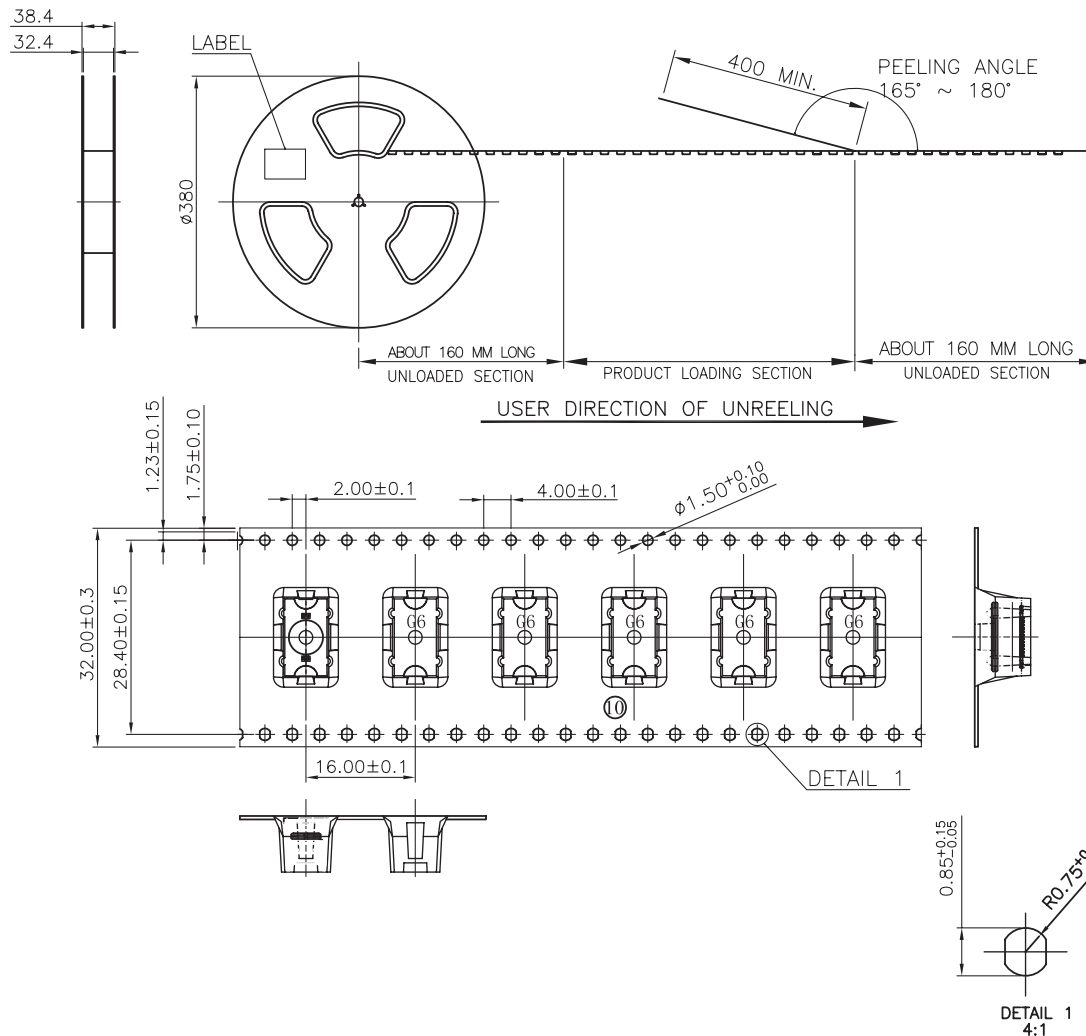
Note: 3. It is recommended to reflow solder within 3 months from opening vacuum packaging at a temperature of 25~30°C & relative humidity 65~70%.



PACKAGING

units: mm

Reel Size: Ø380 mm
Reel QTY: 650 pcs per reel
Carton Size: 405 x 405 x 330 mm
Carton QTY: 5,200 pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	08/23/2023
1.01	added assembly reference dimension details	02/19/2024
1.02	CUI Devices rebranded to Same Sky	09/12/2024
1.03	added o-ring shipping option	04/18/2025

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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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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