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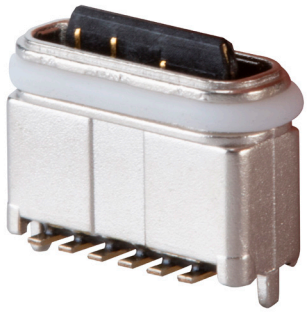
MODEL: UJC-V-G-SMT-P6-TR-67 | DESCRIPTION: USB RECEPTACLE

FEATURES

- USB Type C receptacle
- power only
- IP67
- reflow solder compatible (including o-ring)
- tape & reel packaging



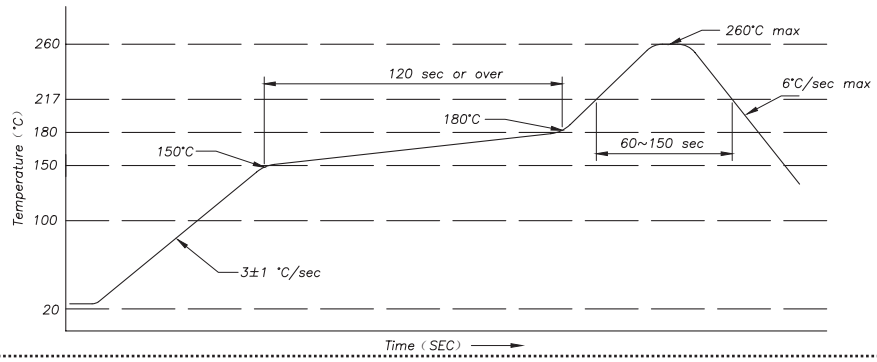
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
USB standard	power only				
rated input voltage				20	Vdc
rated input current	as per EIA-364-70, Method B power pins collectively (A9, A12, B9, B12) VCONN pins individually (A5, B5) all other signal pins individually			 3.0 1.25 0.25	 A A 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		5,000		cycles
operating temperature		-40		85	°C
flammability rating	UL94V-0				
RoHS	yes				
IP level	IP67				

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

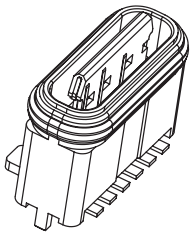
SOLDERABILITY

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

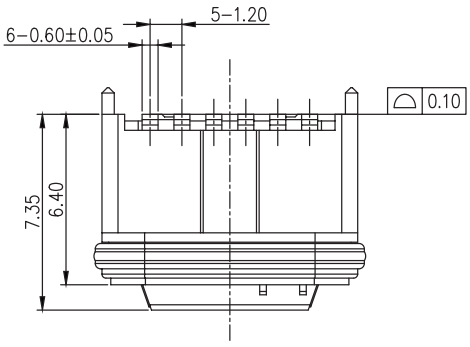


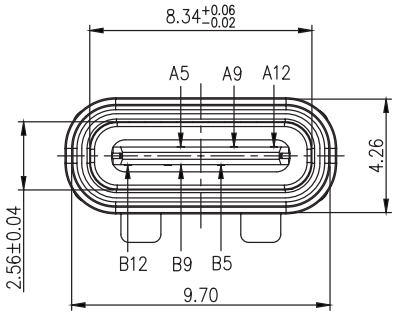
MECHANICAL DRAWING

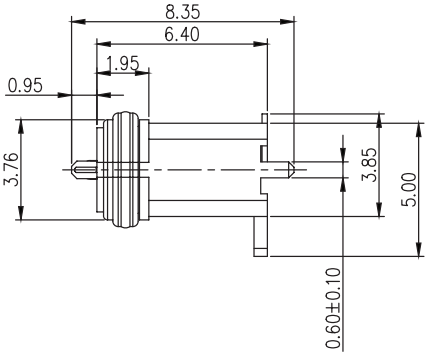
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
unless otherwise specified

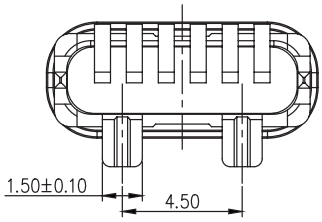


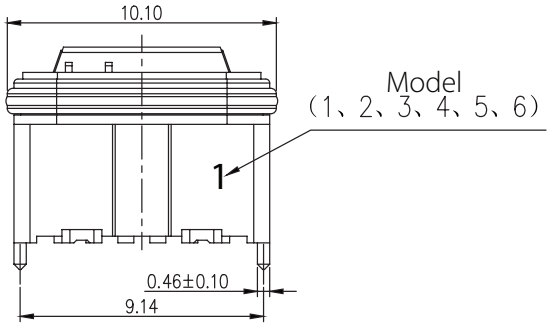
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA10T (UL94V-0)	black
contact	C2680	contact area: gold flash over 20 µ" nickel solder area: gold flash over 20 µ" nickel
shell	zinc alloy	20 µ" nickel
mid plate	SUS301	--
o-ring (OR-160)	silica gel	white
cap	LCP (UL94V-0)	black

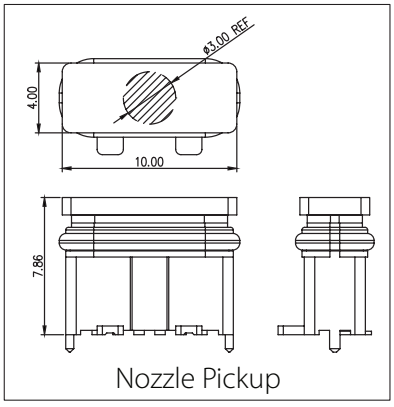




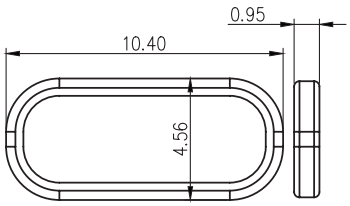








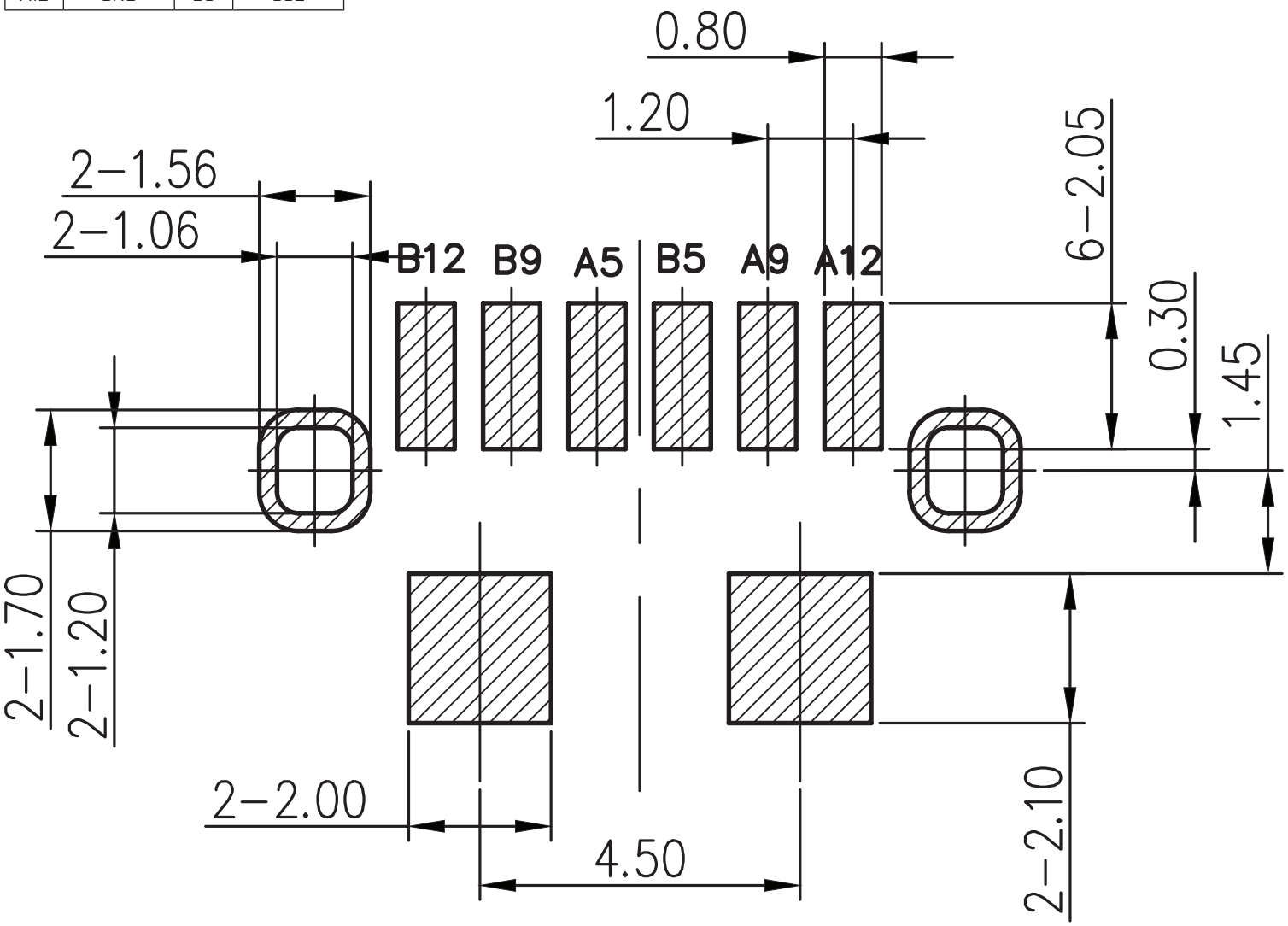
O-ring (P/N: OR-160)



MECHANICAL DRAWING (CONTINUED)

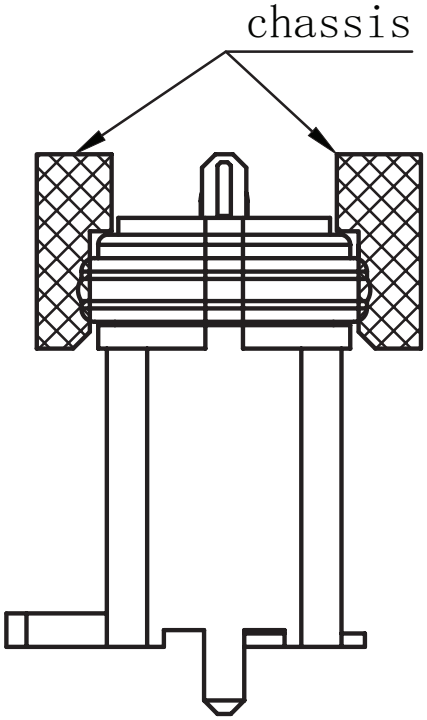
units: mm
PCB tolerance: ±0.05 mm
PCB thickness: 1.0 mm

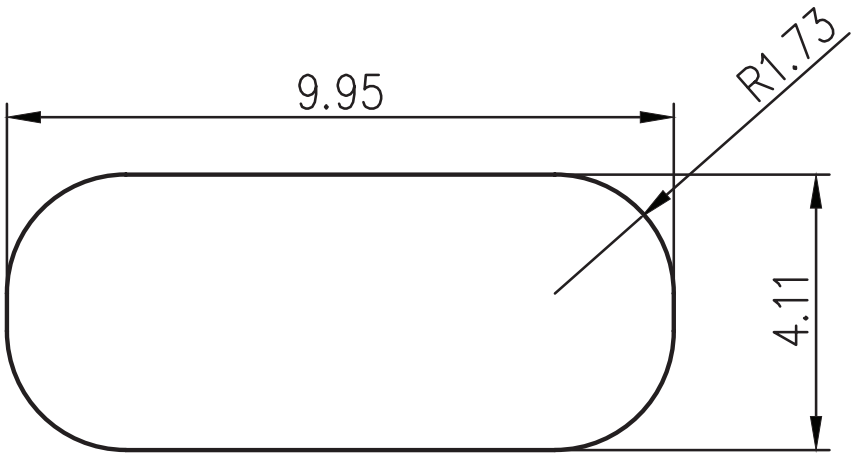
PIN CONNECTIONS			
PIN	SIGNAL NAME	PIN	SIGNAL NAME
A5	CC1	B12	GND
A9	VBUS	B9	VBUS
A12	GND	B5	CC2



Recommended PCB Layout
Top View

ASSEMBLY REFERENCE



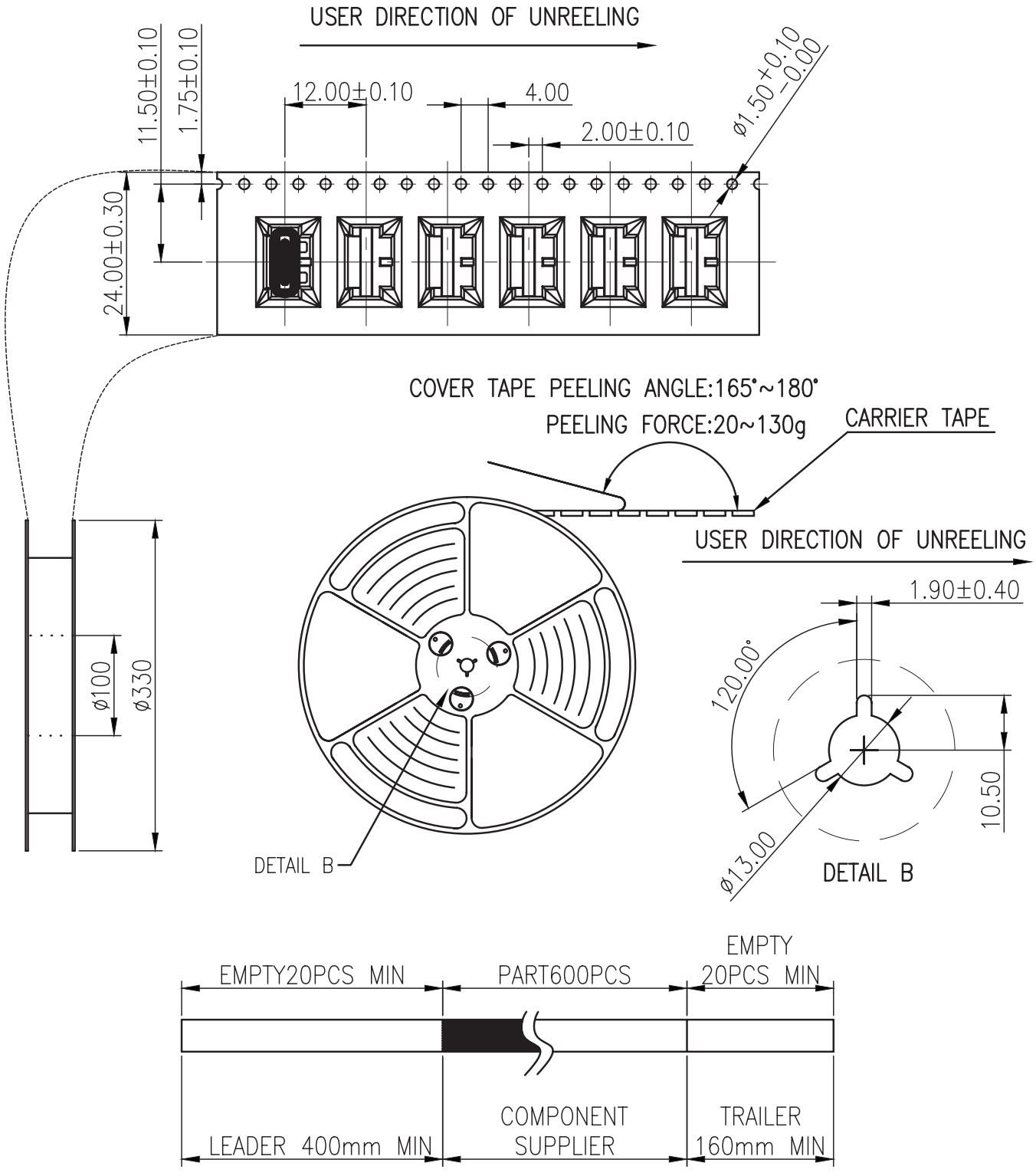


Opening size reference
Environmentally friendly lubricant
is required when assembling the shell

PACKAGING

units: mm

Reel Size: Ø330
Reel QTY: 600 pcs per reel
Carton Size: 350 x 350 x 330 mm
Carton QTY: 6,000 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

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