

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

- USB Type C receptacle
- USB 4.0
- 40 Gbit/s data transfer speed
- reflow solder compatible
- vertical mount
- tape & reel packaging

**SPECIFICATIONS**

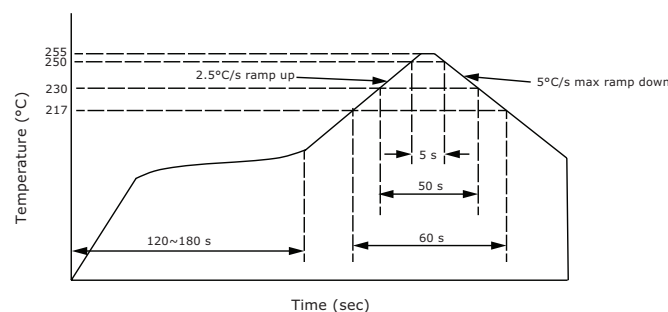
parameter	conditions/description	min	typ	max	units
USB standard	USB 4.0				
rated input voltage	standard power range (SPR) extended power range (EPR)			20 48	Vdc Vdc
rated input current	as per EIA-364-70, Method B power pins collectively (A1, A4, A9, A12, B1, B4, B9, B12) VCONN pins individually (A5, B5) all other signal pins individually			5.0 1.25 0.25	A A 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	at a rate of 12.5 mm/min	5		20	N
withdrawal force	at a rate of 12.5 mm/min	8		20	N
life	at a rate of 200 cycles per hour		10,000		cycles
operating temperature		-40		85	°C
flammability rating	UL94V-0				
RoHS	yes				

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 65~70%	25		30	°C
reflow soldering ³	see reflow profile		255	260	°C

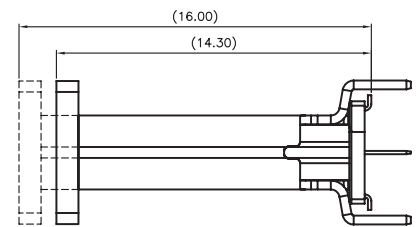
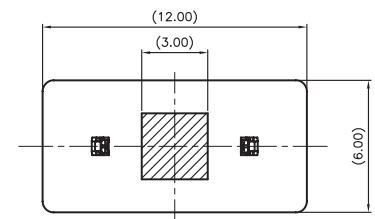
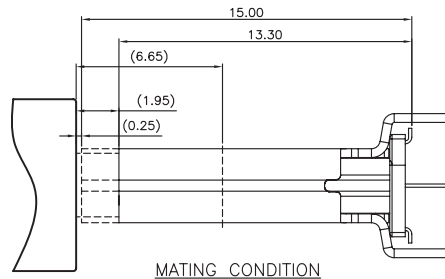
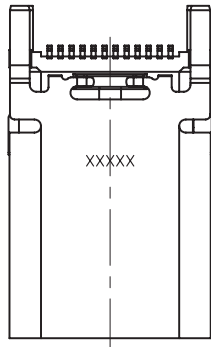
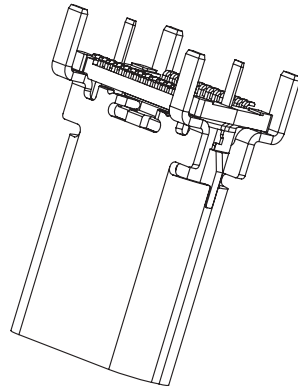
Note: 3. It is recommended to reflow solder within 3 months from opening vacuum packaging at a temperature of 25~30°C & relative humidity 65~70%.



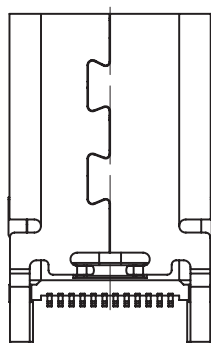
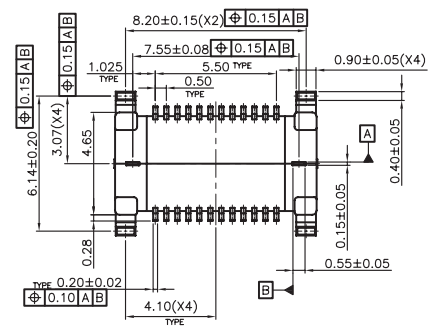
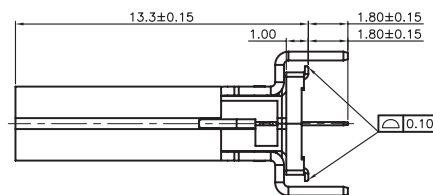
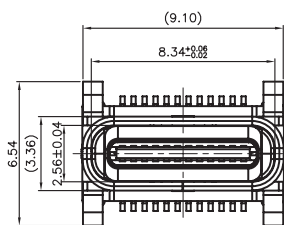
MECHANICAL DRAWING

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

	MATERIAL	PLATING
insulator	LCP [UL94V-0]	black
contact	copper alloy	contact area: gold flash solder area: matte tin over nickel
shell	stainless steel	nickel



INCREASE THE DIAGRAMS OF CAP



units: mm
PCB tolerance: ± 0.05 mm
PCB thickness: 1.2 mm

Figure 1: Detailed layout of the test chip. The diagram shows a rectangular chip with various dimensions and features. Key dimensions include 8.20, 7.55, 5.50, 4.10, 6.14, 3.07, 1.60, 1.30, 1.20, 0.95, 0.55, 0.50, 0.25, 0.05, and 0.025. Features include a central array of 16 pads (8x2) labeled A1, A12, B1, and B12, surrounded by a 'PAD AREA'. The chip has four corners with circular features and a central square feature labeled 'TYPE'. A legend indicates that hatched areas represent the 'PAD AREA'.

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PACKAGING

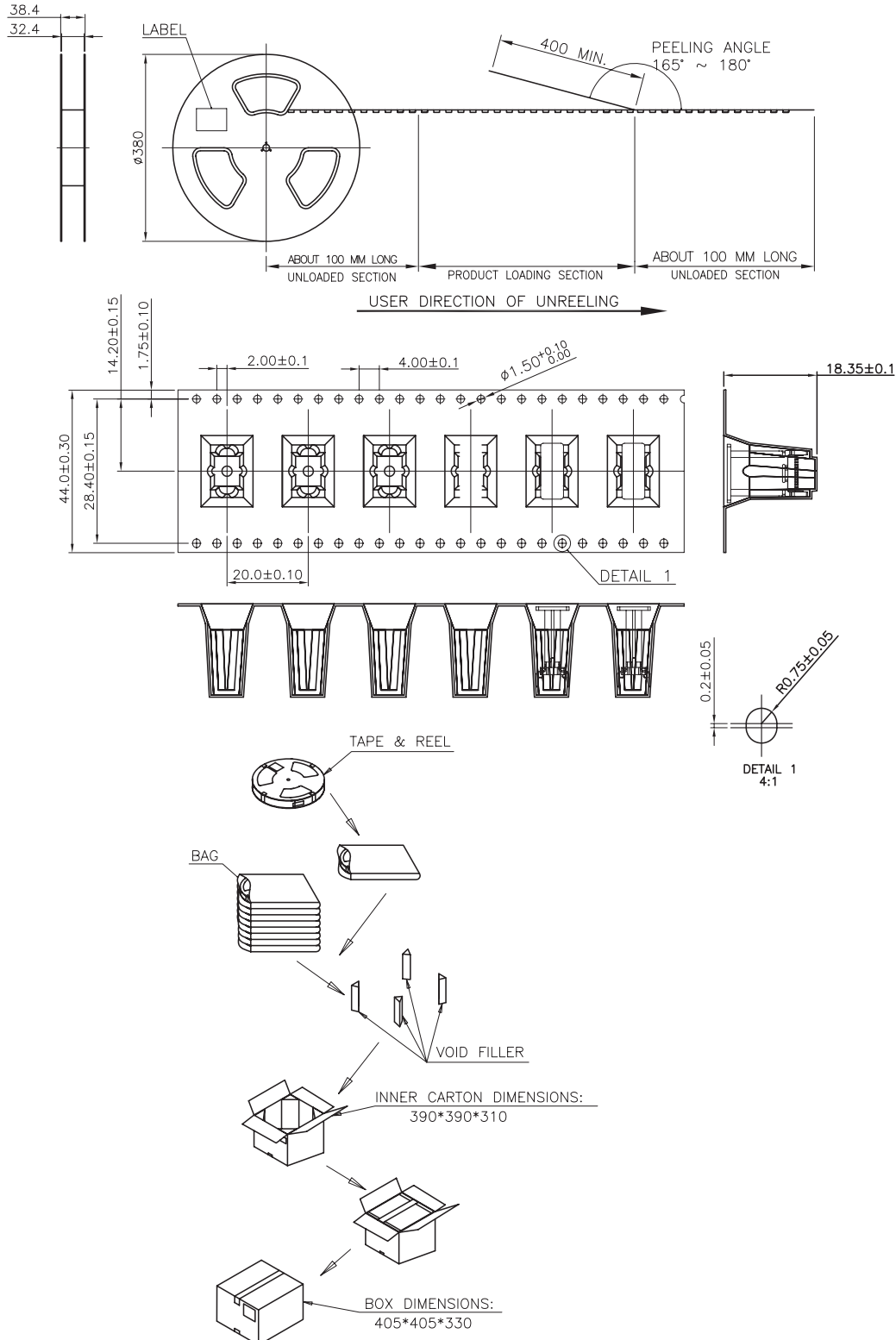
units: mm

Reel Size: $\varnothing 380$ mm

Reel QTY: 250 pcs per reel

Carton Size: 405 x 405 x 330

Carton QTY: 1,500 pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	06/15/2022
1.01	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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