

**MODEL:** UJ20-C-H-G-MSMT-1-P16-TR | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- USB 2.0
- 480 Mbit/s data transfer speed
- reflow solder compatible
- tape & reel packaging

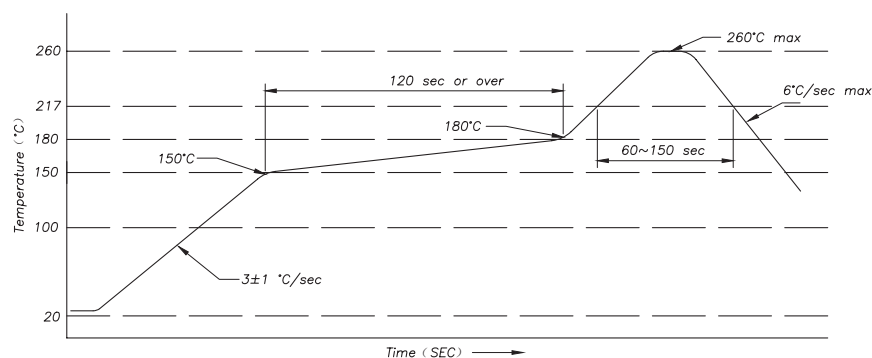
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
USB standard	USB 2.0				
rated input voltage				48	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		-25		85	°C
flammability rating	UL94V-0				
RoHS	yes				

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

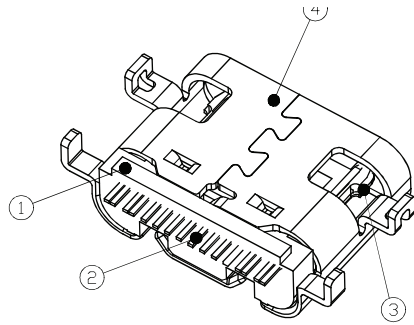
SOLDERABILITY

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

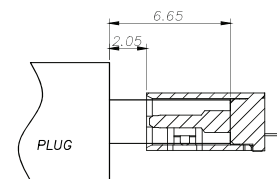
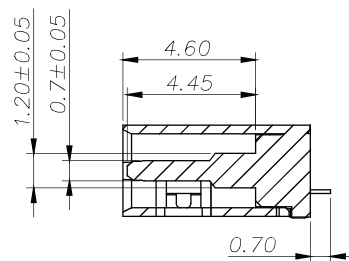
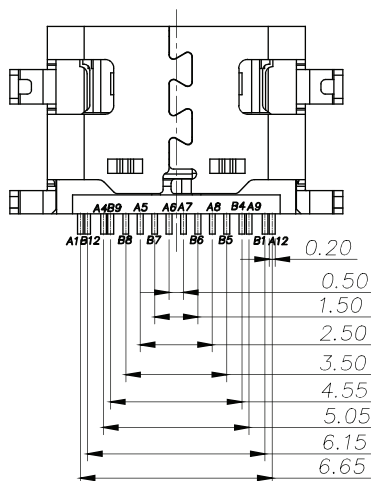
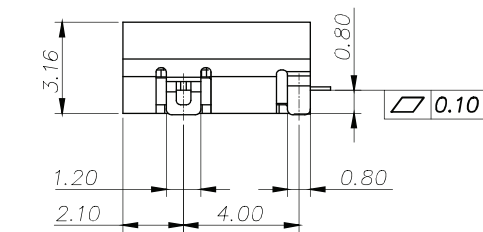
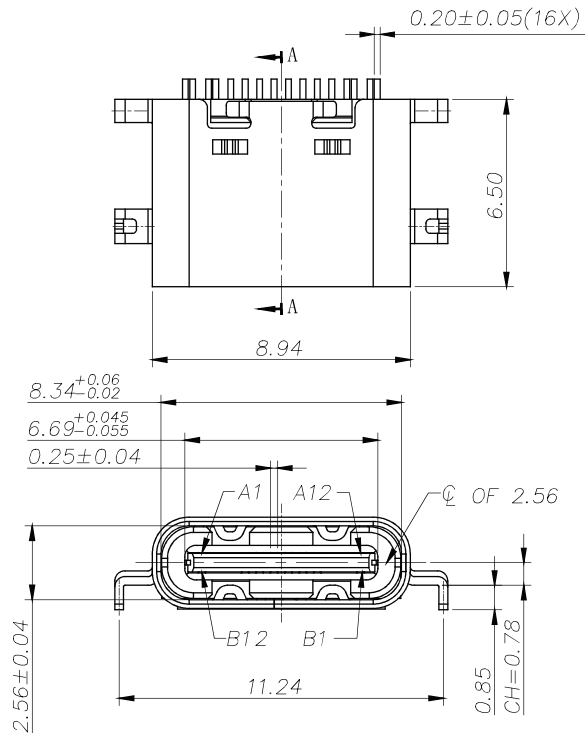


MECHANICAL DRAWING

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



ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PA9T (UL94V-0)	black
2	contact	C1815	contact area: 3 μ " gold over 50 μ " nickel solder area: 1 μ " gold over 50 μ " nickel
3	mid shell	SUS304	
4	shell	SUS304	30 μ " nickel



SECTION: A-A

AFTER MATING

units: mm
PCB tolerance: ± 0.05 mm
PCB thickness: 0.80 mm

Technical drawing of a PCB layout showing dimensions and component locations. The drawing includes a central rectangular area with a dashed line indicating the P.C.B. EDGE and a solid line indicating the PRODUCT EDGE. Dimensions are provided in inches, with some values in parentheses indicating multiple occurrences. Component locations are marked with labels A1 through A12 and B1 through B12.

Dimensions (inches):

- Overall width: 11.24
- Overall height: 9.24
- Top section width: 6.40, 4.80, 3.50, 2.50, 1.50, 0.50, 0.30(8X), 0.60(4X)
- Left section height: 1.90(2X), 1.50(2X), 1.50(2X), 1.10(2X)
- Right section height: 5.70, 4.60, 4.00, 2.10
- Bottom section width: 0.60(4X), 1.00(4X)

Component locations (A1 through A12 and B1 through B12) are indicated along the top edge of the central area.

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PACKAGING

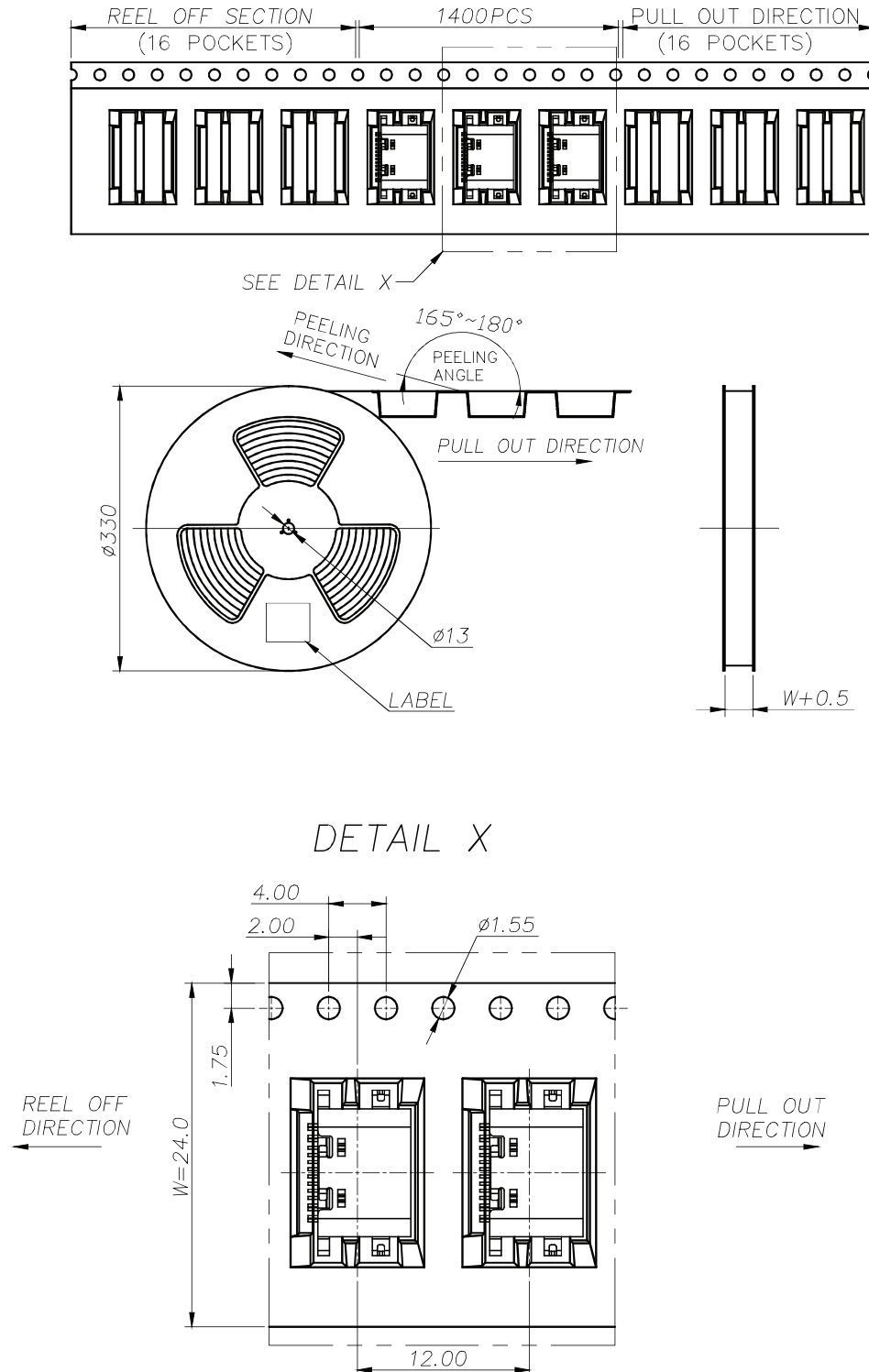
units: mm

Reel Size: $\varnothing 330$ mm

Reel QTY: 1,400 pcs per reel

Carton Size: 330 x 330 x 320 mm

Carton QTY: 14,000 pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	07/24/2024

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



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