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MODEL: UJ40-32-C-H-G3-MSMT-R-P24-TR | DESCRIPTION: USB RECEPTACLE

FEATURES

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

RoHS

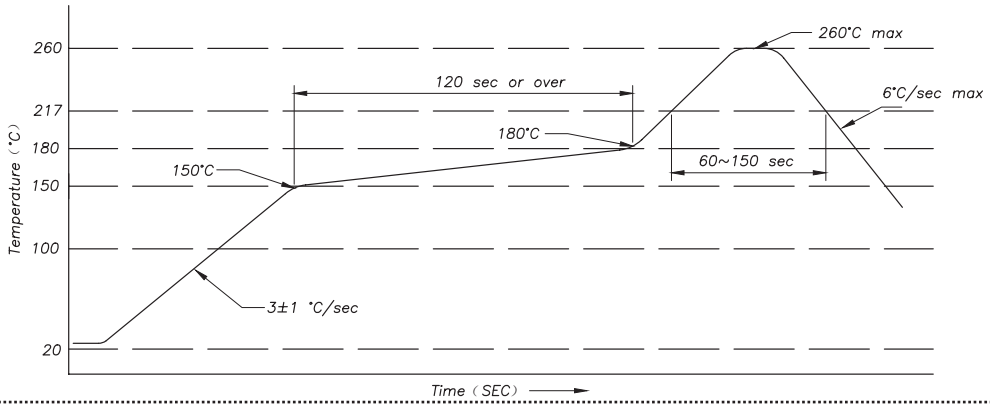
SPECIFICATIONS

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) 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	at 300 Vdc between adjacent contacts	100			MΩ
voltage withstand	between adjacent contacts for 1 minute	300			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		-40		85	°C
flammability rating	UL94V-0				
RoHS	yes				

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

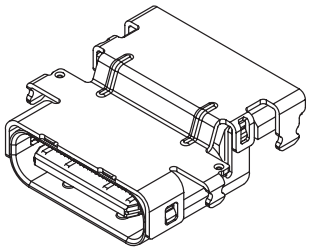
SOLDERABILITY

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

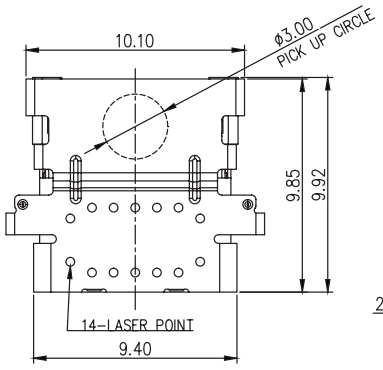


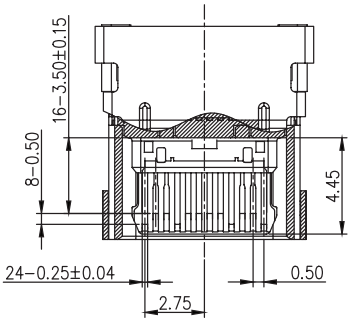
MECHANICAL DRAWING

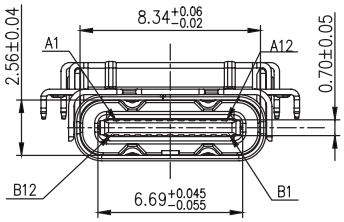
units: mm
tolerance:
X.X ±0.38 mm
X.XX ±0.25 mm
X.XXX ±0.10 mm
unless otherwise specified

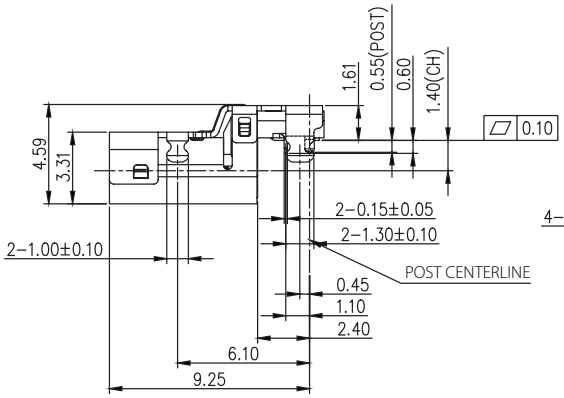


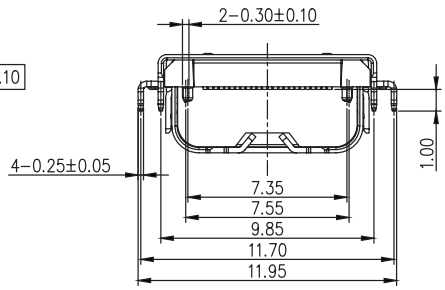
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA10T (UL94V-0)	black
contact	C18150	contact area: 3 µ" gold over 30 µ" nickel solder area: 80 µ" matte tin over 30 µ" nickel
shell	SUS304	50 µ" nickel
mid plate	SUS301	50 µ" nickel

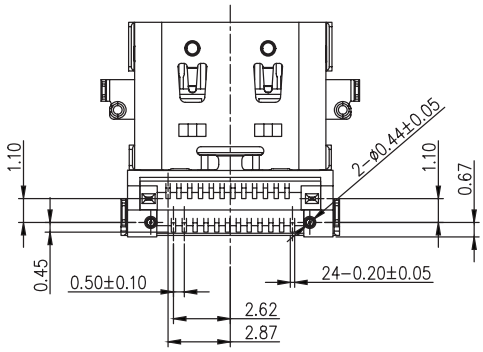


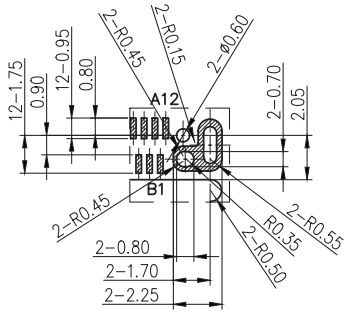


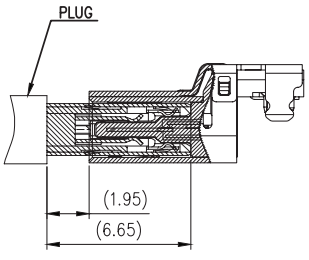








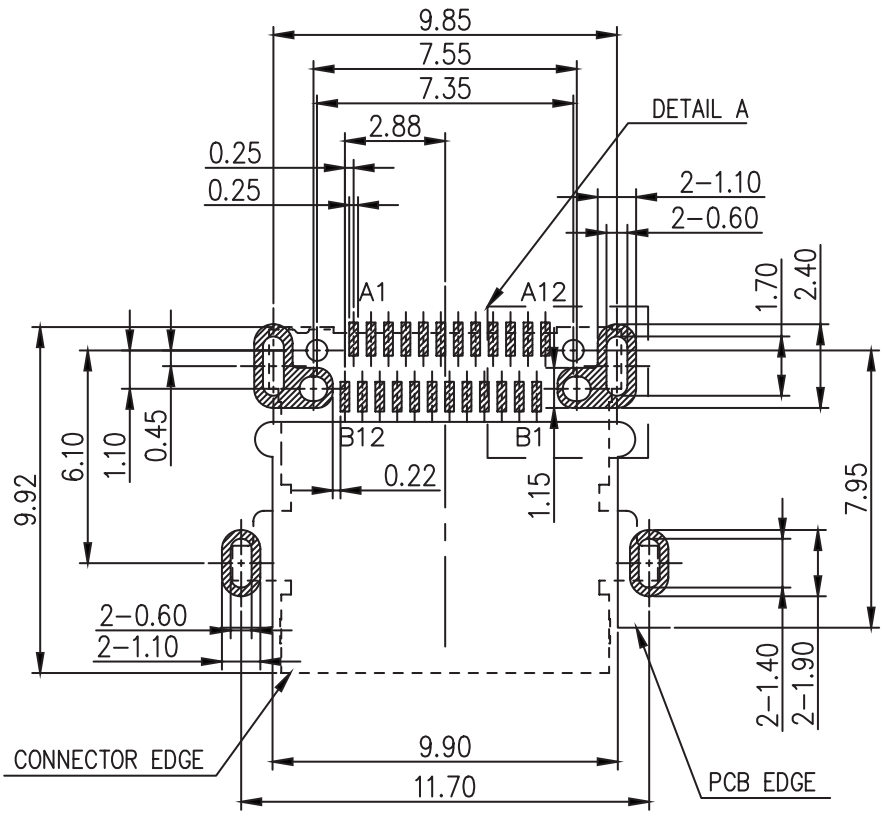




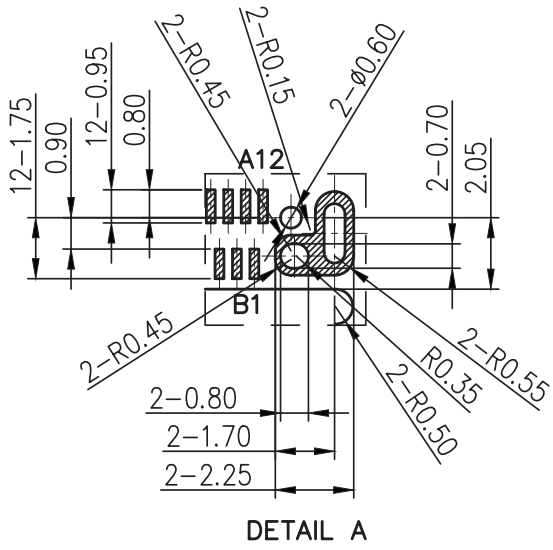
MECHANICAL DRAWING (CONTINUED)

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

PIN CONNECTIONS			
PIN	SIGNAL NAME	PIN	SIGNAL NAME
A1	GND	B12	GND
A2	TX1+	B11	RX1+
A3	TX-	B10	RX1-
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	D+	B7	D-
A7	D-	B6	D+
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	RX2-	B3	TX2-
A11	RX2+	B2	TX2+
A12	GND	B1	GND



Recommended PCB Layout
Top View

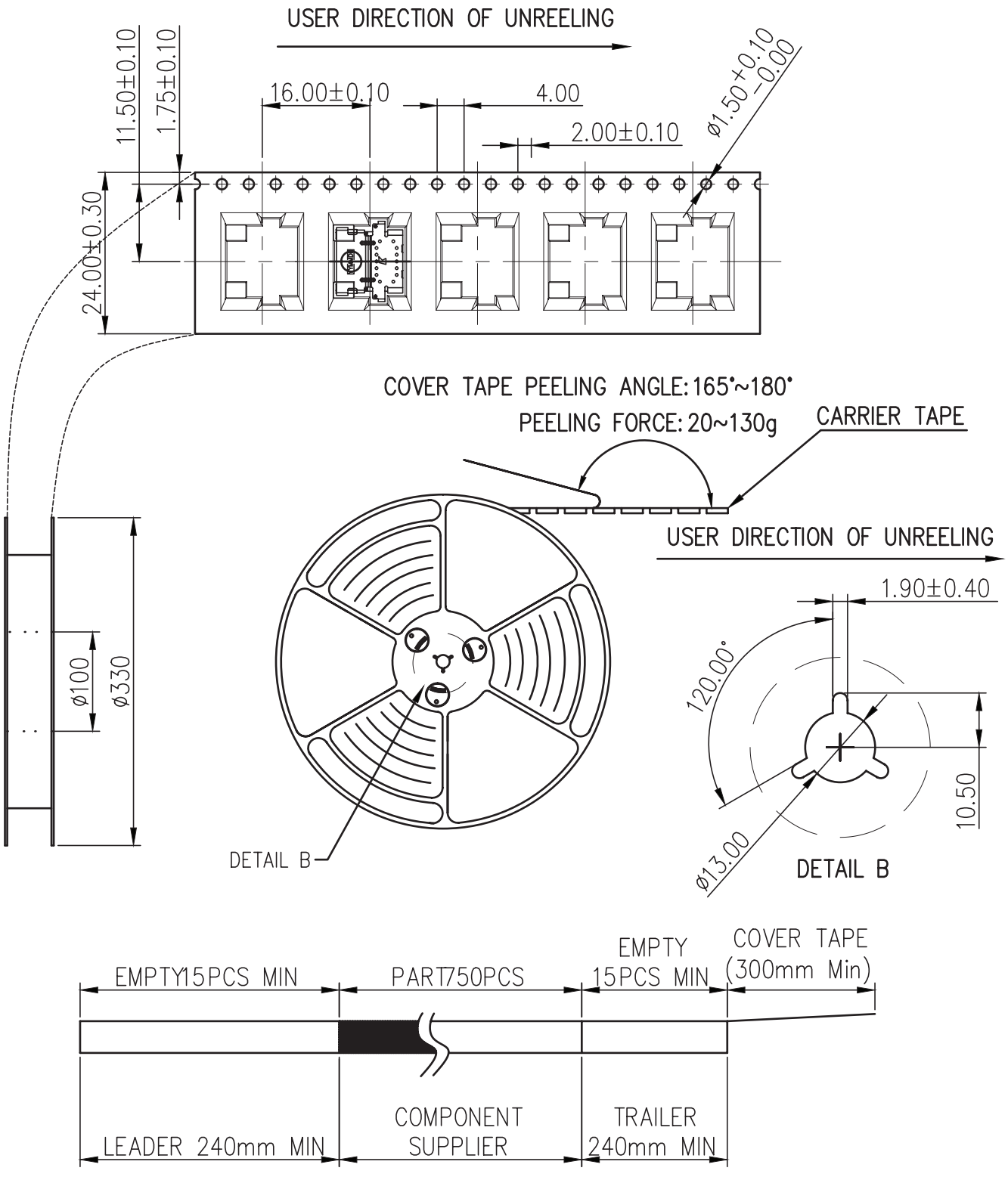


DETAIL A

PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 750 pcs per reel
Carton QTY: 9,750 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.

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