

MODEL: UJ20-C-H-C-1-SMT-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				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				40	mΩ
insulation resistance	at 200 Vdc	100			MΩ
voltage withstand	for 1 minute	100			Vac
insertion force		5		20	N
withdrawal force		6		20	N
life			10,000		cycles
operating temperature		-40		85	°C
flammability rating	UL94V-0				
RoHS	Ves				

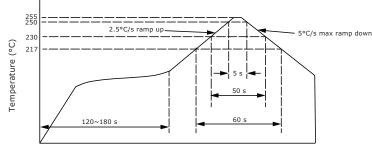
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When measured at 20 mV / 100 mA.
All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

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%.



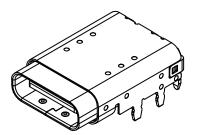
Time (sec)

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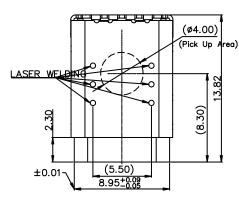
MECHANICAL DRAWING

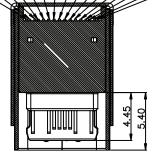
units: mm tolerance: X. ±0.50 mm X.X ±0.30 mm X.XX ±0.20 mm X.XXX ±0.10 mm unless otherwise specified

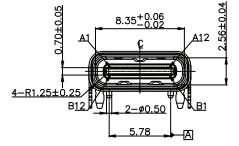


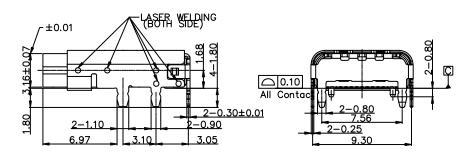
MATERIAL	PLATING/COLOR
LCP (UL94V-0)	black
copper alloy t=0.15 mm	contact area: gold flash over 50 µ" nickel solder area: 80 µ" matte tin over 50 µ" nickel
stainless steel t=0.25 mm	50 µ" nickel
stainless steel t=0.30 mm	50 µ" nickel
stainless steel t=0.15 mm	50 µ" nickel
	LCP (UL94V-0) copper alloy t=0.15 mm stainless steel t=0.25 mm stainless steel t=0.30 mm stainless steel

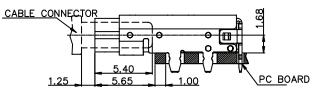




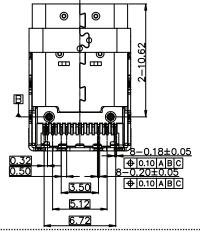








RECESSED MOUNTING CONFIGURATION

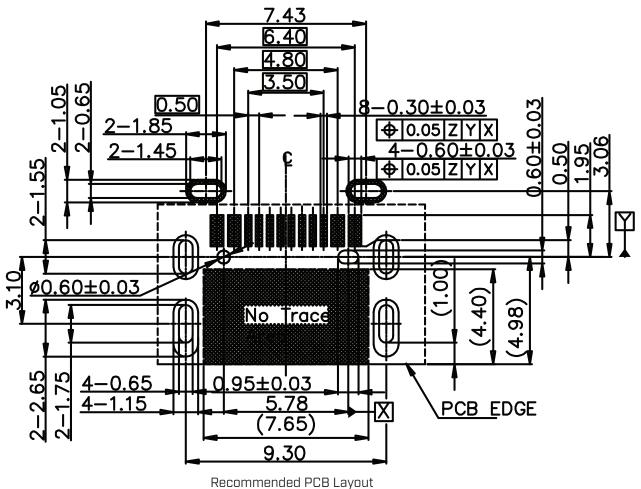


MECHANICAL DRAWING (CONTINUED)

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

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PIN CONNECTIONS						
PIN	SIGNAL NAME	MATING SEQUENCE	PIN	SIGNAL NAME	MATING SEQUENCE	
A1	GND	FIRST	B12	GND	FIRST	
A4	VBUS	FIRST	B9	VBUS	FIRST	
A5	CC1	SECOND	B8	SBU2	SECOND	
A6	Dp1	SECOND	B7	Dn2	SECOND	
A7	Dn1	SECOND	B6	Dp2	SECOND	
A8	SBU1	SECOND	B5	CC2	SECOND	
A9	VBUS	FIRST	B4	VBUS	FIRST	
A12	GND	FIRST	B1	GND	FIRST	
SHELL		GND	SHELL		GND	



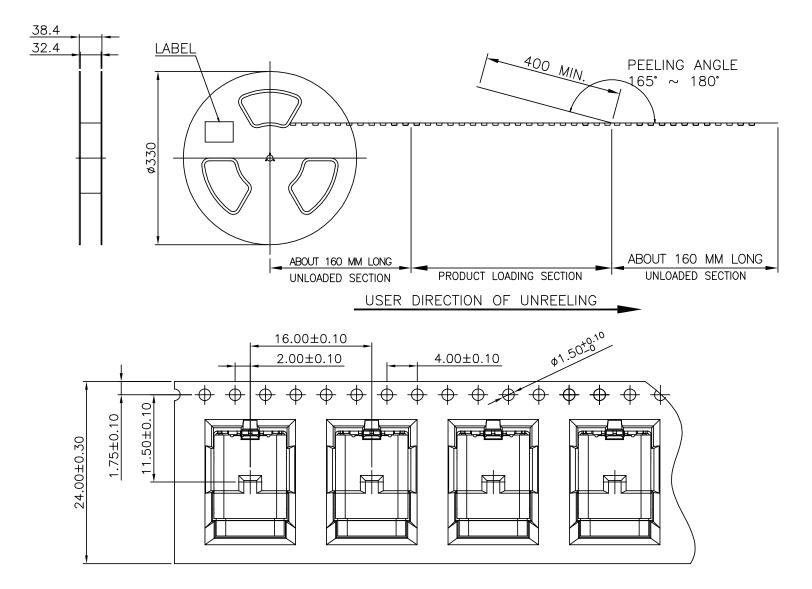
Top View

PACKAGING

units: mm

Reel Size: Ø330 mm Reel QTY: 600 pcs per reel

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REVISION HISTORY

rev.	description	date		
1.0	initial release	05/16/2024		

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

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.



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