CUI Devices is now Same Sky! Learn More

MODEL: UJ20-C-H-G-MSMT-8B-P8-TR-X5 | DESCRIPTION: USB RECEPTACLE

FEATURES

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

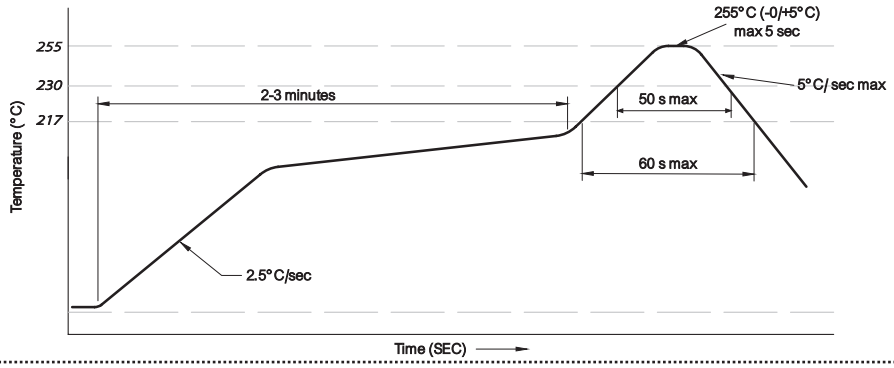
SPECIFICATIONS

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 (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		5		20	N
withdrawal force		8		20	N
life			10,000		cycles
operating temperature		-25		85	°C
flammability rating	UL94V-0				
RoHS	yes				
IP level	IPX5				

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

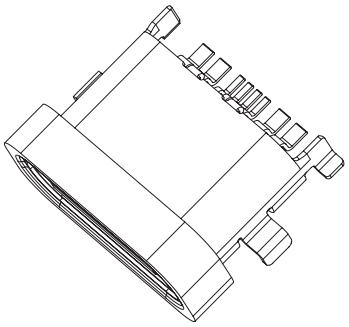
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at 20~26°C, less than 75% humidity				°C
reflow soldering	see reflow profile		255	260	°C

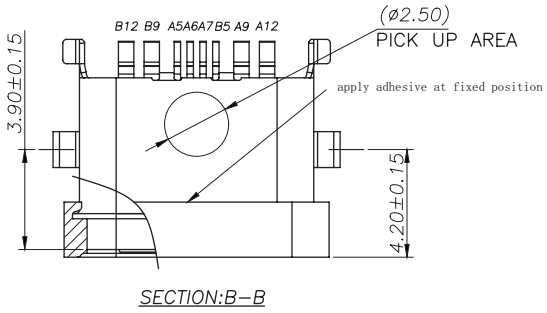


MECHANICAL DRAWING

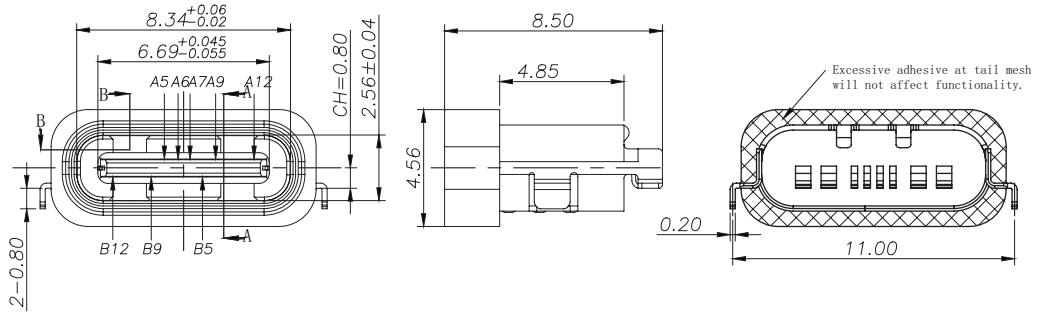
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
unless otherwise specified

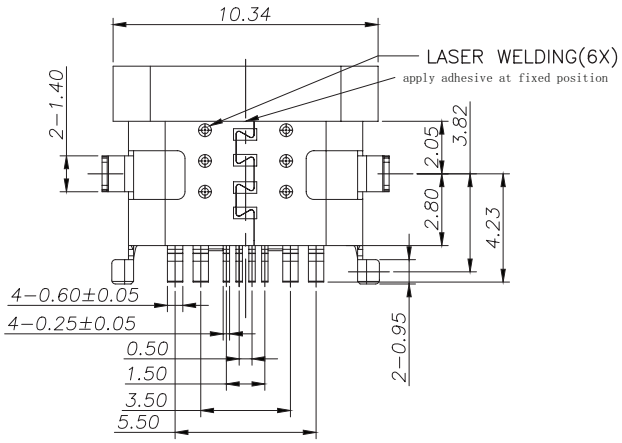


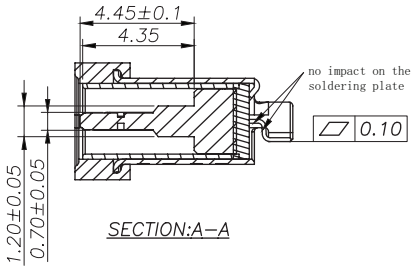
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	LCP (UL94V-0)	black
contact	copper alloy	contact area: gold flash over 50 µ" nickel solder area: tin over 50 µ" nickel
outer shell	stainless steel	50 µ" nickel
inner shell	stainless steel	--
mid plate	stainelss steel	--
o-ring	glue	--
glue	epoxy	--



SECTION:B–B





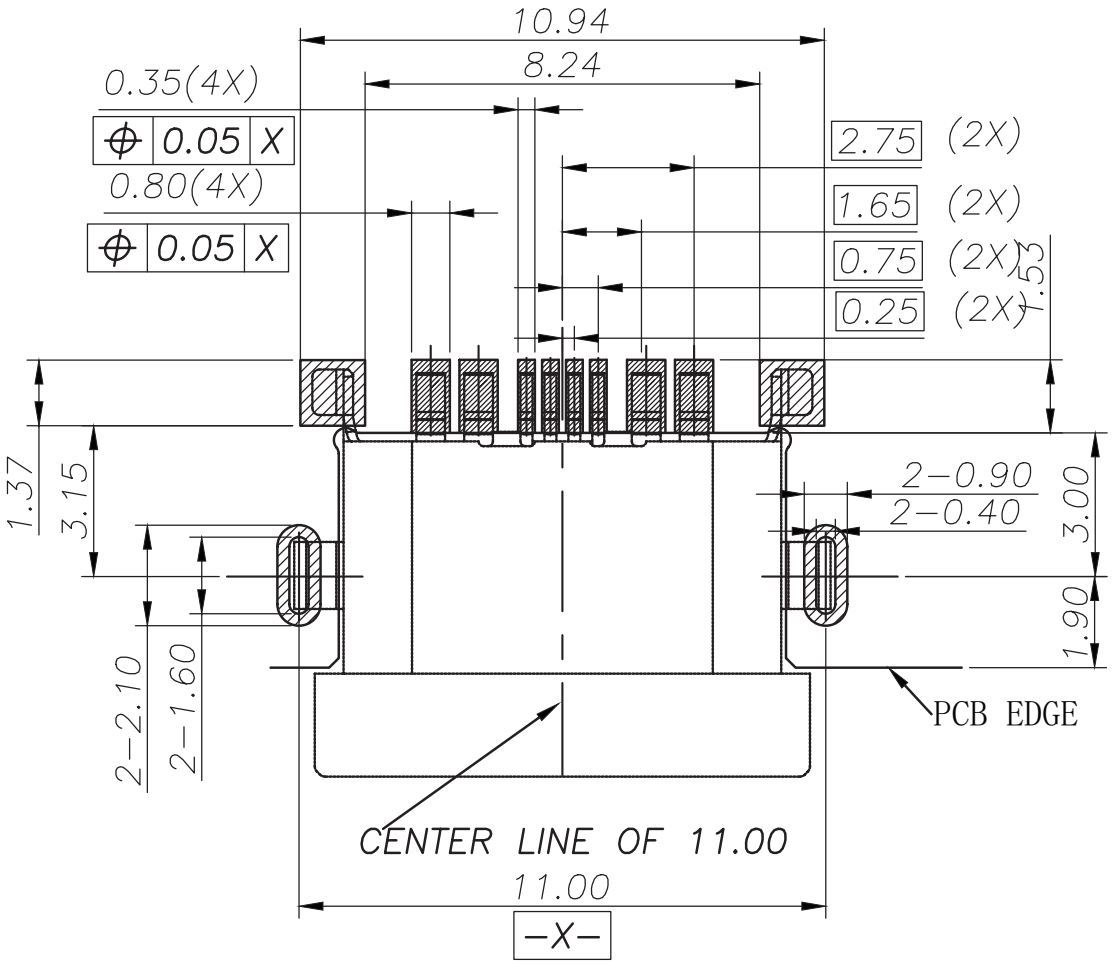


SECTION:A–A

MECHANICAL DRAWING (CONTINUED)

units: mm
PCB tolerance: ±0.05 mm
PCB thickness: 0.8 mm

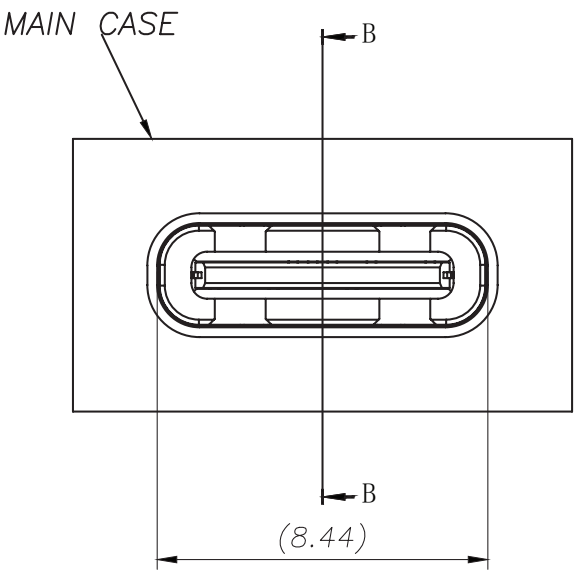
PIN CONNECTIONS			
PIN	SIGNAL NAME	PIN	SIGNAL NAME
A1	-	B12	GND
A2	-	B11	-
A3	-	B10	-
A4	-	B9	VBUS
A5	CC1	B8	-
A6	D+	B7	-
A7	D-	B6	-
A8	-	B5	CC2
A9	VBUS	B4	-
A10	-	B3	-
A11	-	B2	-
A12	GND	B12	GND

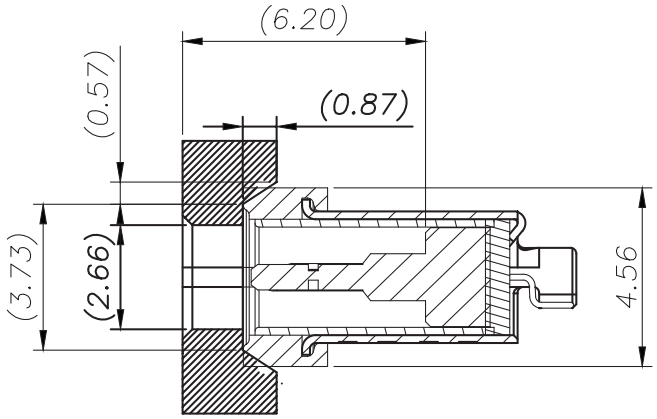


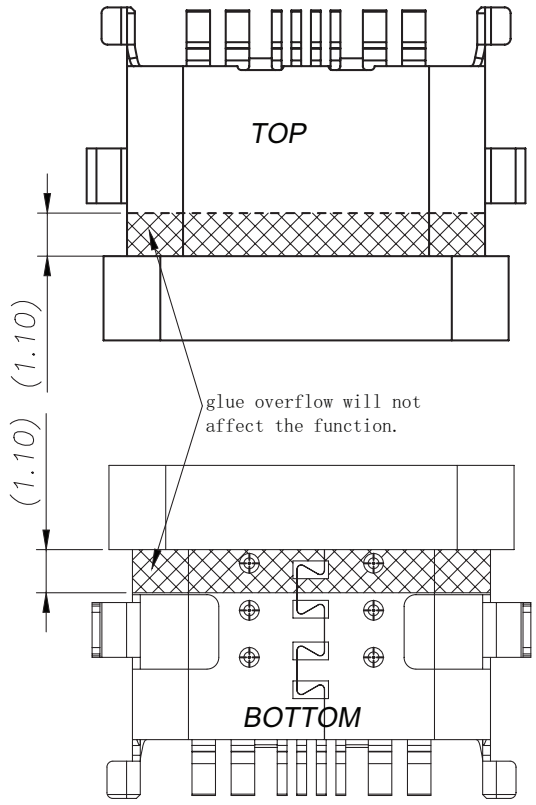
Recommended PCB Layout
Top View

ASSEMBLY REFERENCE

RECOMMENDED OPENING DIMENSIONS
OF CASE MATING AREA WITH SEALING RING



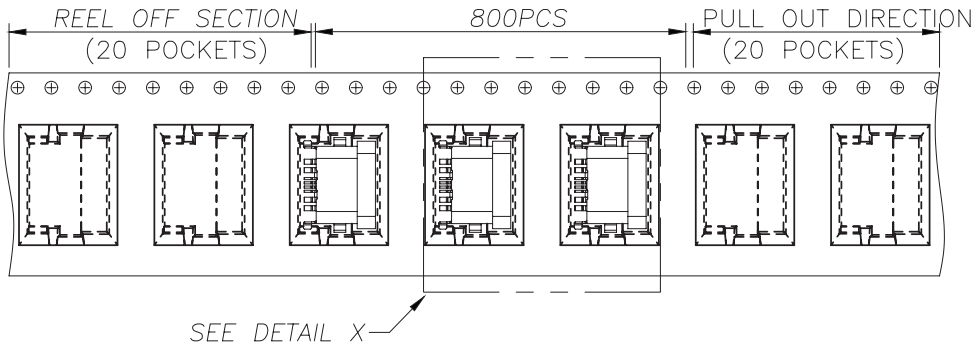


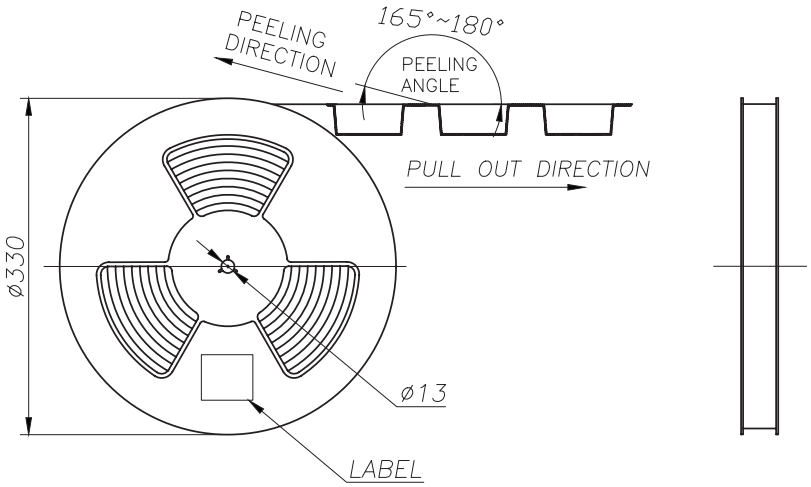


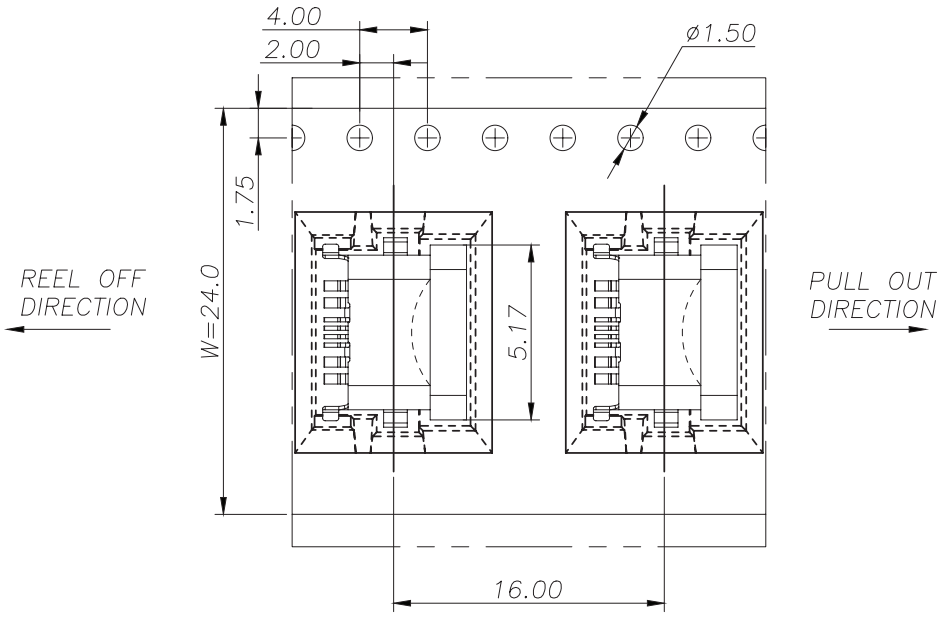
PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 800 pcs per reel







REVISION HISTORY

rev.	description	date
1.0	initial release	08/17/2026

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

same sky

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

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

sameskydevices.com