

**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



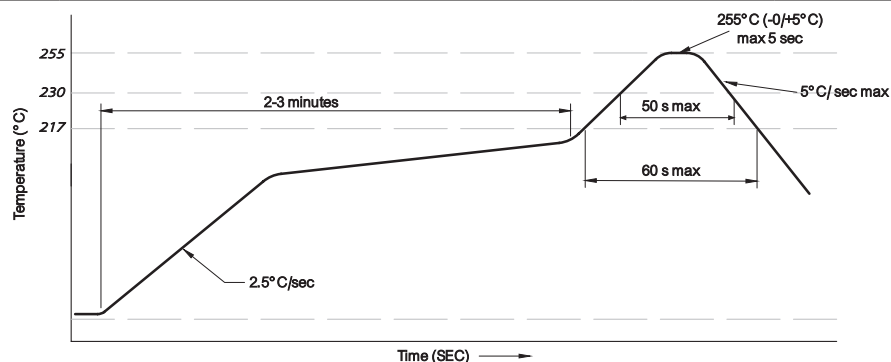
SPECIFICATIONS

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]			3.0	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		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.

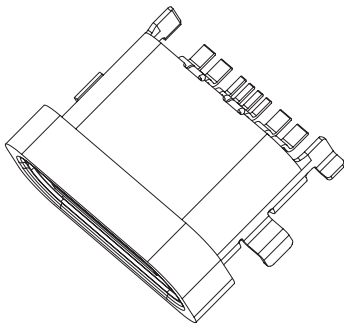
SOLDERABILITY

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

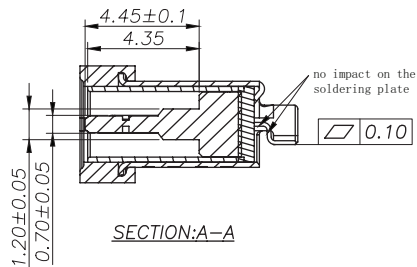
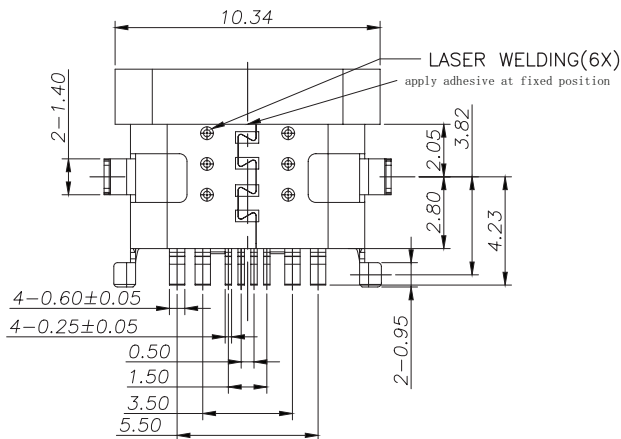
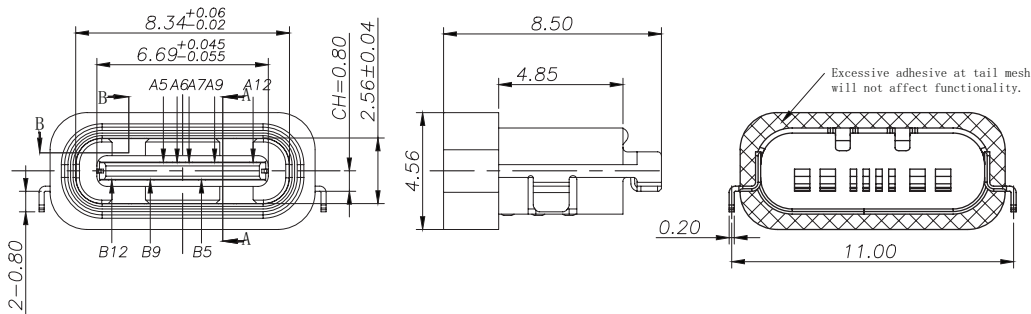
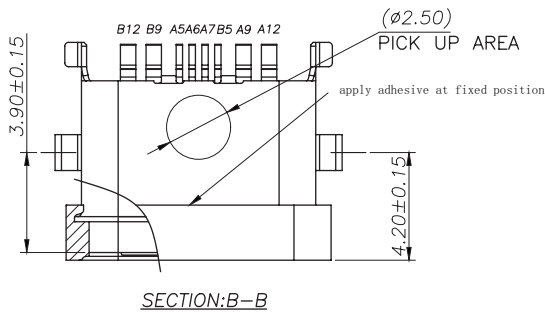


MECHANICAL DRAWING

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



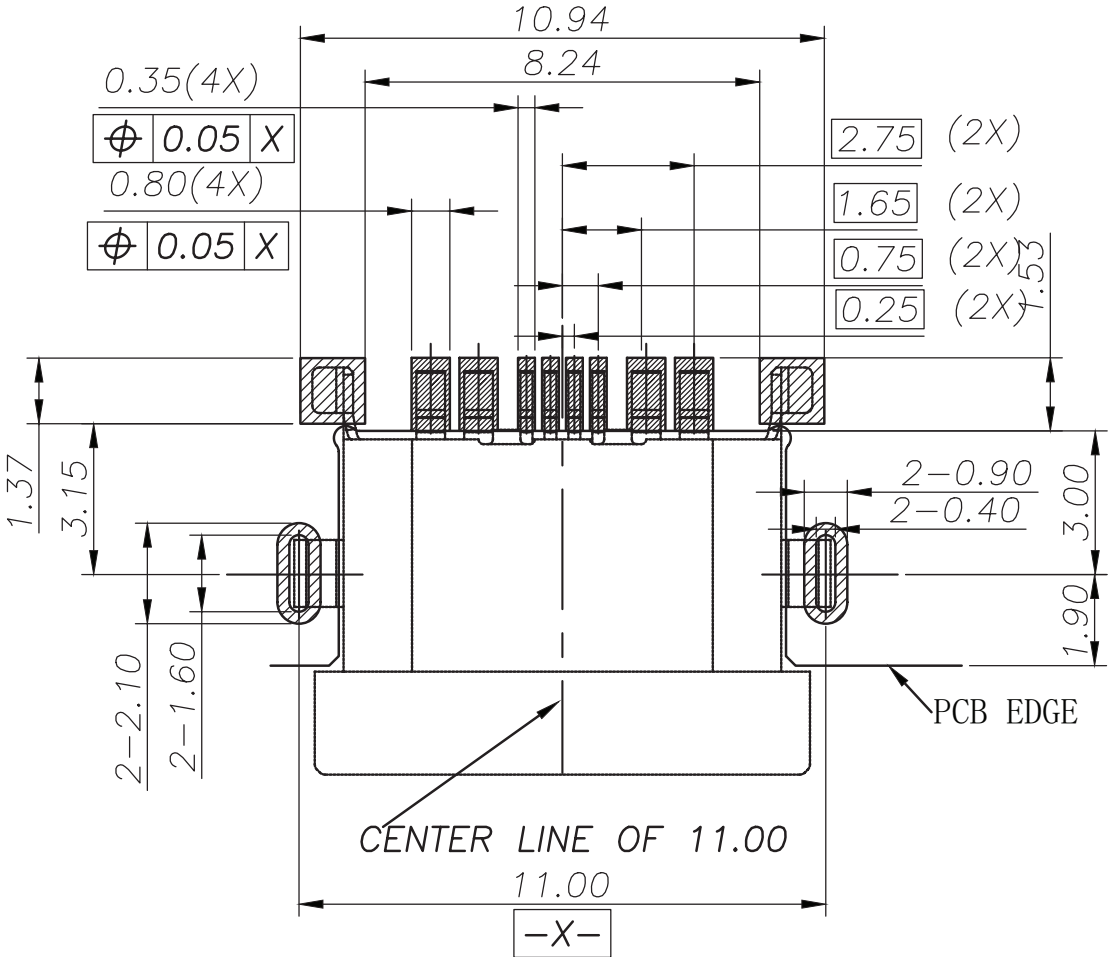
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	LCP [UL94V-0]	black
contact	copper alloy	contact area: gold flash over 50 μ " nickel solder area: tin over 50 μ " nickel
outer shell	stainless steel	50 μ " nickel
inner shell	stainless steel	--
mid plate	stainelss steel	--
o-ring	glue	--
glue	epoxy	--



MECHANICAL DRAWING (CONTINUED)

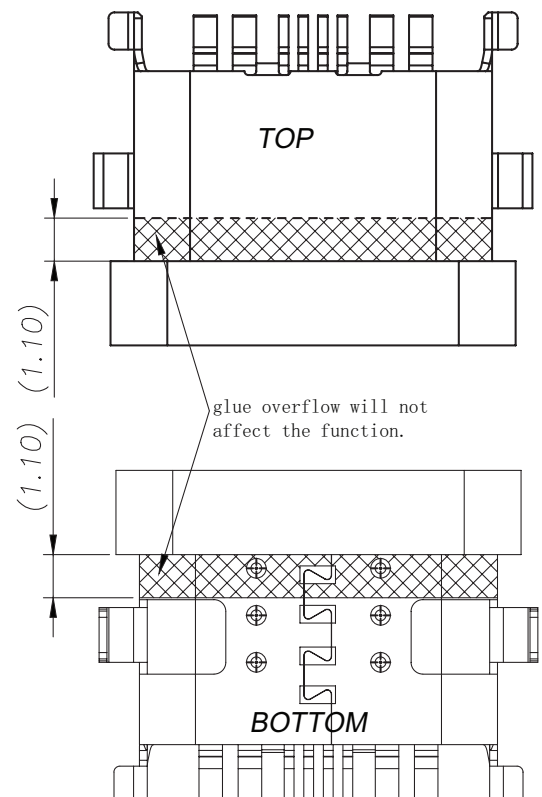
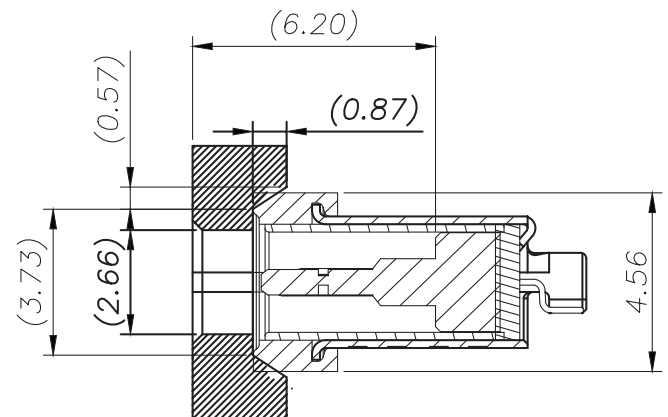
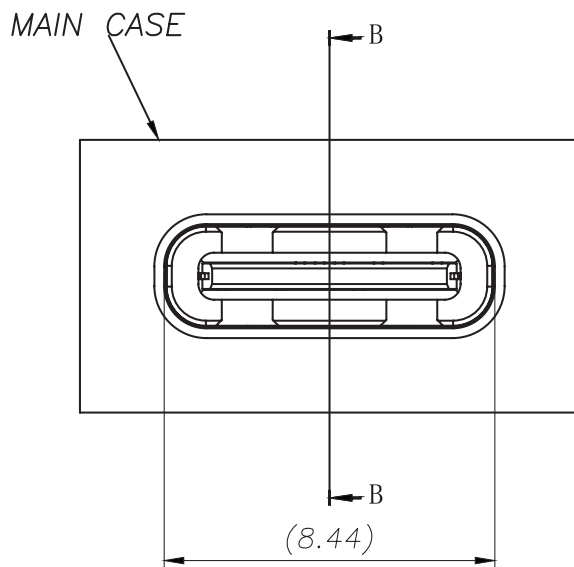
units: mm
PCB tolerance: ±0.05 mm
PCB thickness: 0.8 mm

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



ASSEMBLY REFERENCE

RECOMMENDED OPENING DIMENSIONS
OF CASE MATING AREA WITH SEALING RING

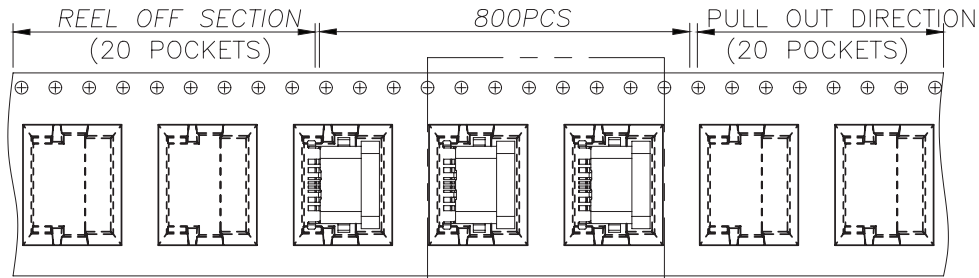


PACKAGING

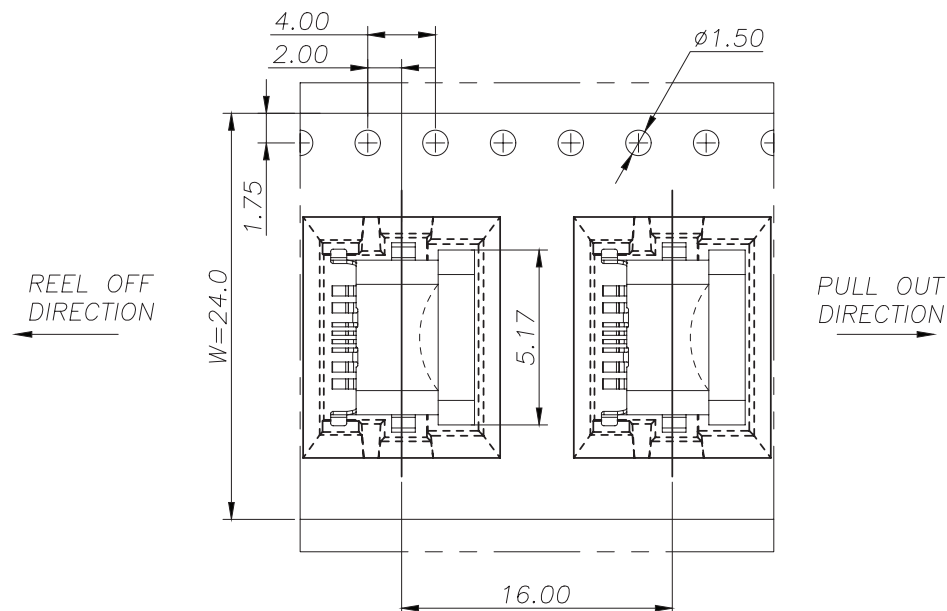
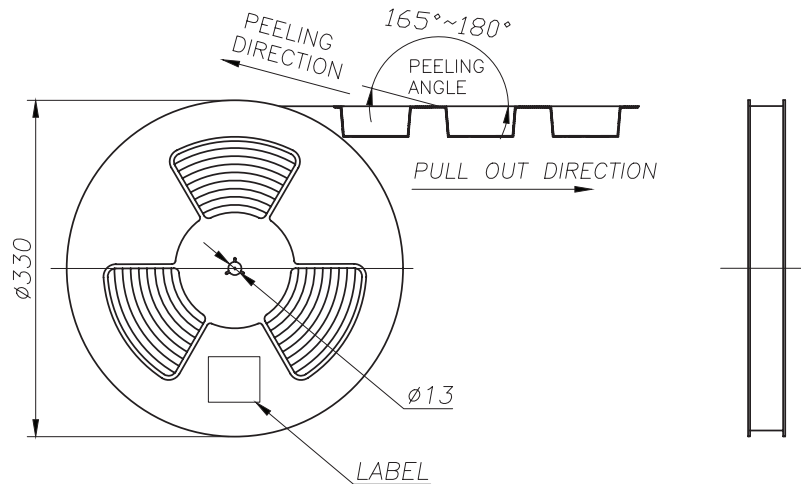
units: mm

Reel Size: $\varnothing 330$ mm

Reel QTY: 800 pcs per reel



SEE DETAIL X



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

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