CUI Devices is now Same Sky! Learn More

MODEL: UJ2-B-HR-G-TH | DESCRIPTION: USB RECEPTACLE

FEATURES

- USB Type B receptacle
- board lock
- USB 2.0

RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
USB standard	USB 2.0				
rated input voltage				5	Vdc
rated input current				1.5	A
contact resistance[1]	between terminals and mating plug			30	mΩ
insulation resistance	between adjacent contacts	1000			MΩ
voltage withstand	between adjacent contacts	500			Vac
insertion force				35	N
withdrawal force		10			N
life			1,500		cycles
operating temperature		-40		85	°C
flammability rating	UL94V-0				
RoHS	yes				

Note: 1. When measured at 20 mV / 100 mA.
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

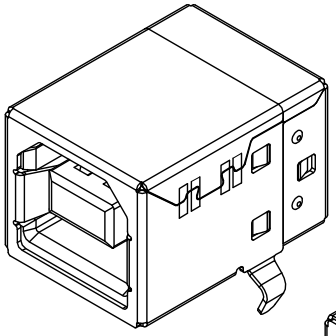
parameter	conditions/description	min	typ	max	units
wave soldering	for 3-7 seconds	255	265	275	°C

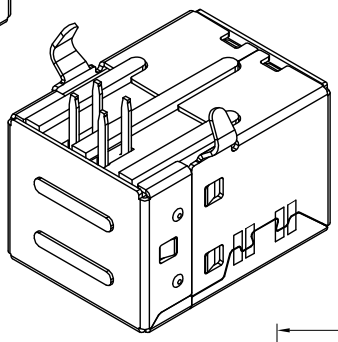
MECHANICAL DRAWING

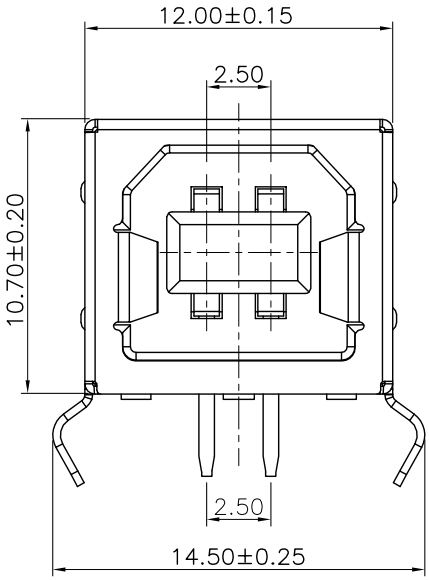
units: mm
tolerance:
X. ±0.50 mm
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
unless otherwise specified

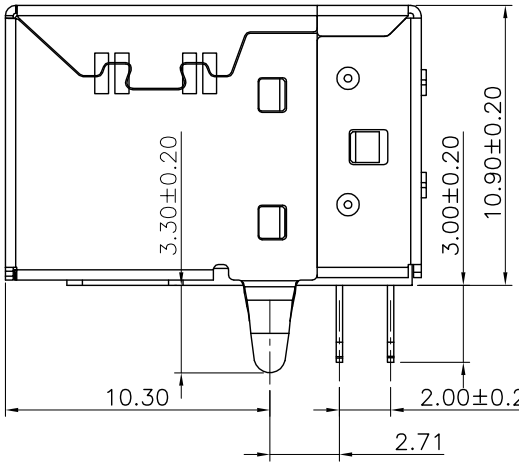
DESCRIPTION	MATERIAL	PLATING/COLOR
insulator	LCP (UL94V-0)	black
contact	copper alloy t=0.25 mm	contact area: 0.6 µ" gold over nickel solder area: 80 µ" tin over nickel
shell	SPCC / brass t=0.30 mm	nickel

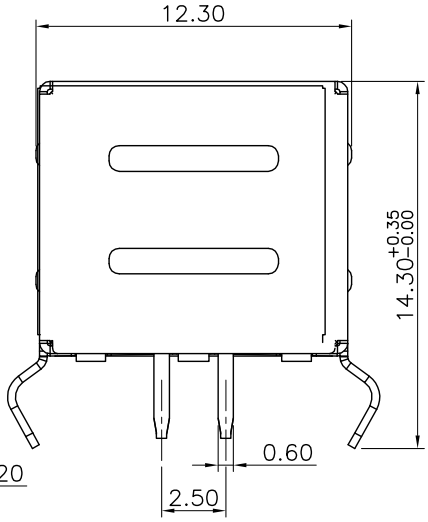
PIN CONNECTIONS			
PIN	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	V_{BUS}	power	SECOND
2	D-	USB 2.0 DIFFERENTIAL PAIR	THIRD
3	D+		
4	GND	ground for power return	SECOND
SHELL	SHIELD	metal shell	FIRST

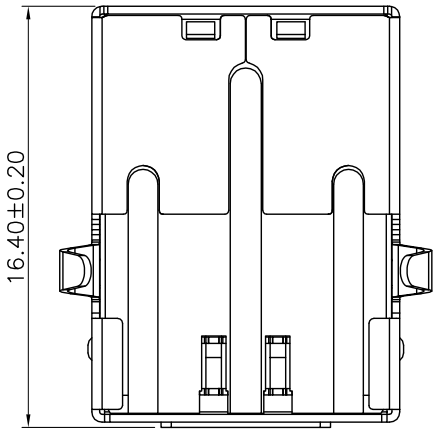


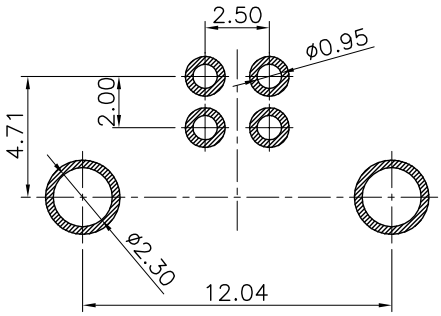












Recommended PCB Layout
Top View

REVISION HISTORY

rev.	description	date
1.0	initial release	08/23/2023
1.01	CUI Devices rebranded to Same Sky	09/12/2024
1.02	modified housing	10/14/2026

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

same sky

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