

date 08/23/2023

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

FEATURES

- USB Type B receptacle
- board lock
- USB 2.0





SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
USB standard	USB 2.0				
rated input voltage				5	Vdc
rated input current				1.5	Α
contact resistance ¹	between terminals and mating plug			30	mΩ
insulation resistance	between adjacent contacts	1000			МΩ
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:

SOLDERABILITY

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

^{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.

FIRST

MECHANICAL DRAWING

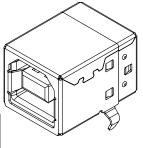
units: mm tolerance: X. ±0.50 mm X.X ±0.30 mm X.XX ±0.20 mm X.XXX ±0.10 mm unless otherwise specified

SHELL

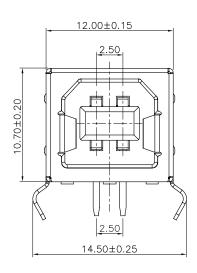
SHIELD

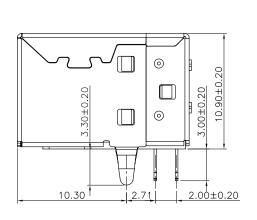
PIN CONNECTIONS					
PIN	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE		
1	Vaus	power	SECOND		
2	D-	USB 2.0	THIRD		
3	D+	DIFFERENTIAL PAIR	IHIKU		
4	GND	ground for power	SECOND		

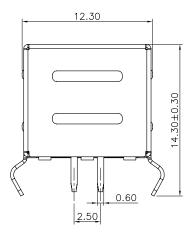
metal shell

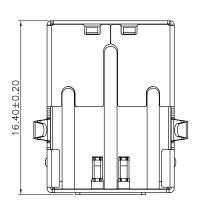


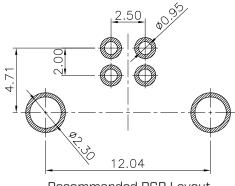
DESCRIPTION	MATERIAL	PLATING/COLOR
insulator	LCP (UL94V-0)	black
contact	copper alloy t=0.25 mm	contact area: gold flash solder area: tin over nickel
shell	SPCC / copper alloy t=0.30 mm	nickel











Recommended PCB Layout Top View

REVISION HISTORY

rev.	description	date
1.0	initial release	08/23/2023

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



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