

date 08/23/2023

page 1 of 3

# MODEL: UJ2-B-HR-G-V | 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	А
contact resistance <sup>1</sup>	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**

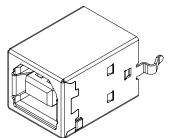
parameter	conditions/description	min	typ	max	units
wave soldering	for 3-7 seconds	255	265	275	°C

<sup>1.</sup> 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.

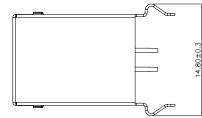
# **MECHANICAL DRAWING**

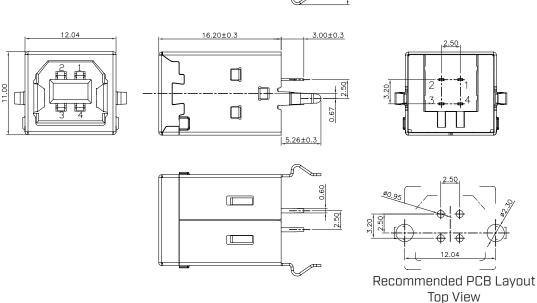
units: mm tolerance: X. ±0.50 mm X.X ±0.30 mm X.XX ±0.20 mm X.XXX ±0.10 mm unless otherwise specified

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 return	SECOND		
SHELL	SHIELD	metal shell	FIRST		



DESCRIPTION	MATERIAL	PLATING/COLOR
insulator	PBT + 30% GF	black
contact	C2680 copper alloy	contact area: gold flash solder area: tin over nickel
shell	SPCC t=0.3 mm	nickel





### **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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