CUI DEVICES

date 04/07/2022

page 1 of 3

SERIES: UP2-AH-TH **DESCRIPTION: USB PLUG**

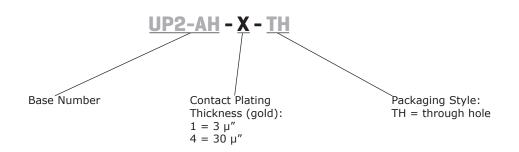
FEATURES

- USB type A plug
- USB 2.0
- horizontal orientation
- through hole mounting





PART NUMBER KEY



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
USB standard	USB 2.0				
rated input voltage				30	Vac
rated input current				1.5	Α
contact resistance ¹	between terminals and mating plug			30	mΩ
insulation resistance		1000			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force				35	N
withdrawal force		10			N
operating temperature		-20		85	°C
life			1,500		cycles
flammability rating	UL94V-0				
RoHS	yes				

Note:

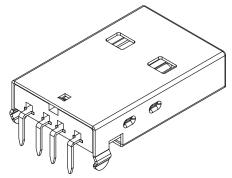
- When measured at 20 mV / 100 mA.
 All specifications measured at 15~35°C, humidity at 25~85%, under atmospheric pressure of 86~106 kPa, unless otherwise noted.

SOLDERABILITY

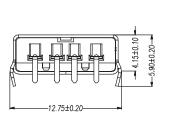
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ± 0.5 seconds		240		°C

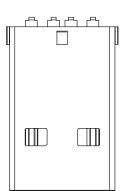
MECHANICAL DRAWING

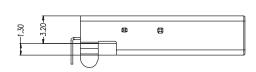
units: mm tolerance: X.X ±0.38 mm X.XX ±0.25 mm

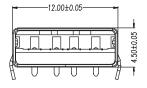


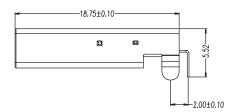
	MATERIAL	PLATING
contact terminals	brass	contact: gold over nickel solder: tin over nickel
shield	steel	nickel
insulator	PBT (black)	

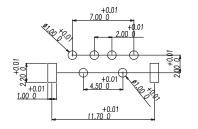




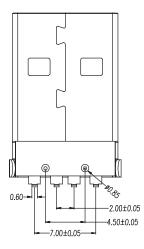


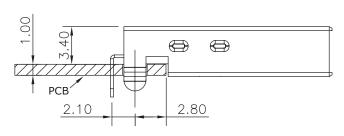






Recommended PCB Layout Top View





REVISION HISTORY

rev.	description	date
1.0	initial release	08/05/2016
1.01	brand update	02/07/2020
1.02	housing tooling change	12/13/2021
1.03	added USB standard	04/07/2022

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

CUI DEVICES

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

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