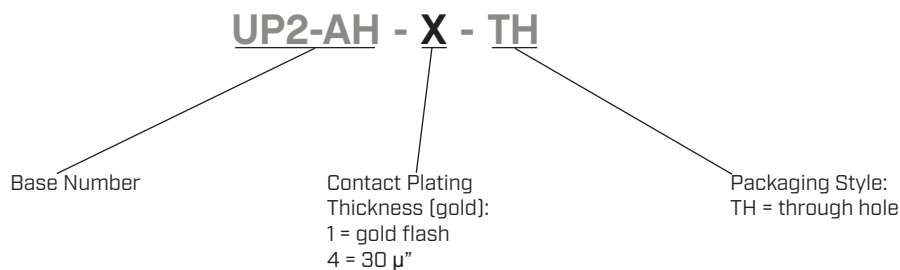


SERIES: UP2-AH-TH | **DESCRIPTION:** USB PLUG**FEATURES**

- 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	A
contact resistance ¹	between terminals and mating plug			30	m Ω
insulation resistance		1000			M Ω
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: 1. When measured at 20 mV / 100 mA.
2. All specifications measured at 15-35°C, humidity at 25-85%, under atmospheric pressure of 86-106 kPa, unless otherwise noted.

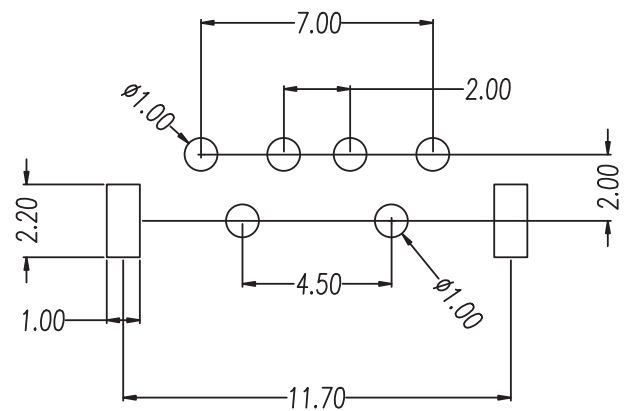
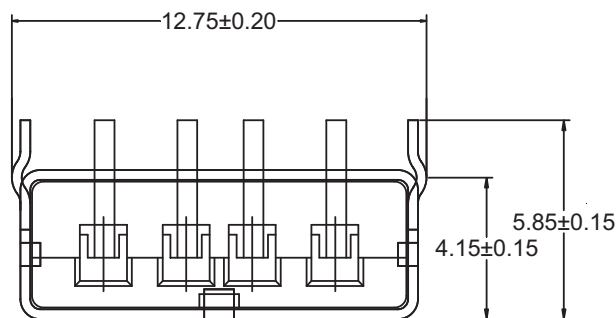
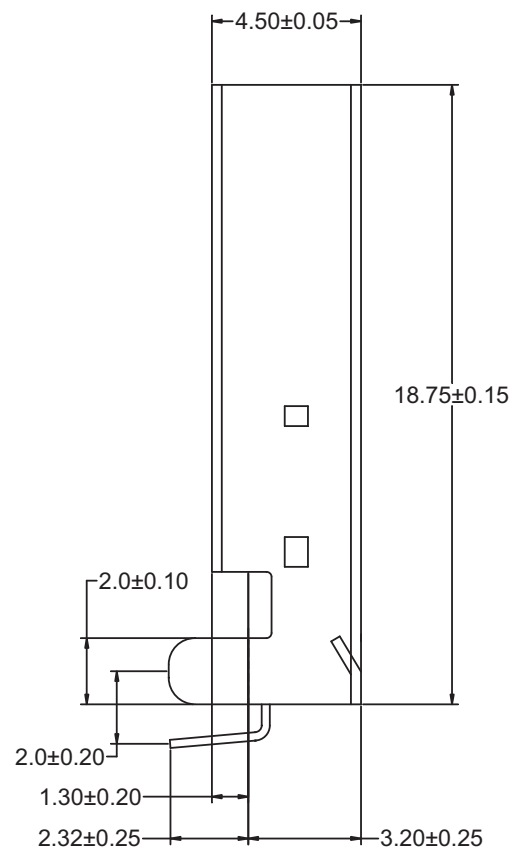
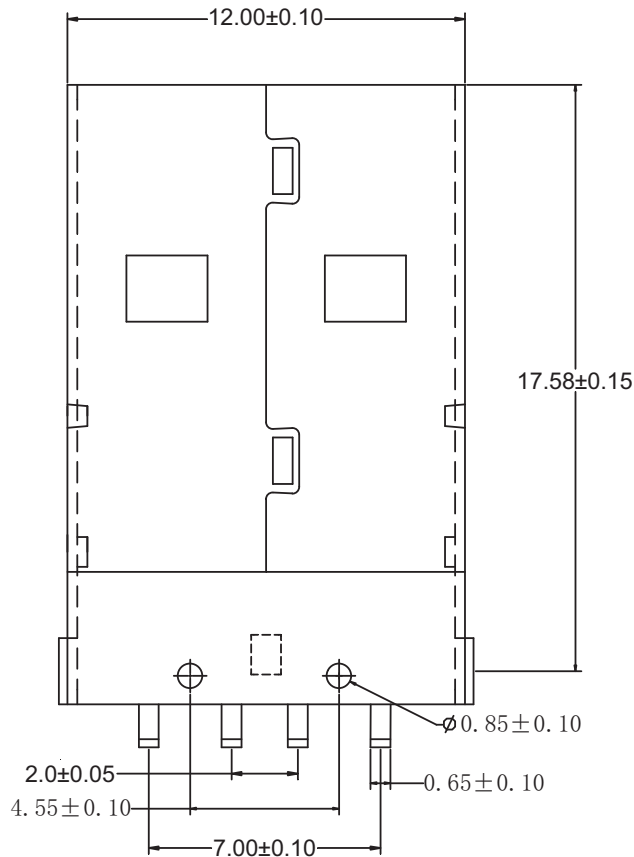
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 \pm 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	LCP (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
1.04	changed contact plating thickness of model UP2-AH-1-TH to be gold flash; logo, datasheet style update	08/24/2022
1.05	modified tooling	06/16/2023

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



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

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