CUI Devices is now Same Sky! Learn More

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

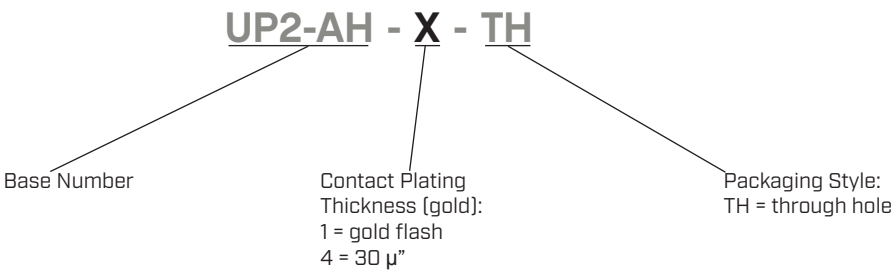
FEATURES

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



RoHS

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	mΩ
insulation resistance		100			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				

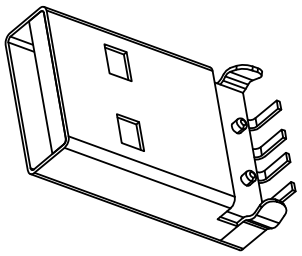
Note:
1. When measured at 20 mV / 100 mA.
2. All specifications measured at 15~35°C, humidity at 25~85%, under atmospheric pressure of 86~106 kPa, unless otherwise noted.

SOLDERABILITY

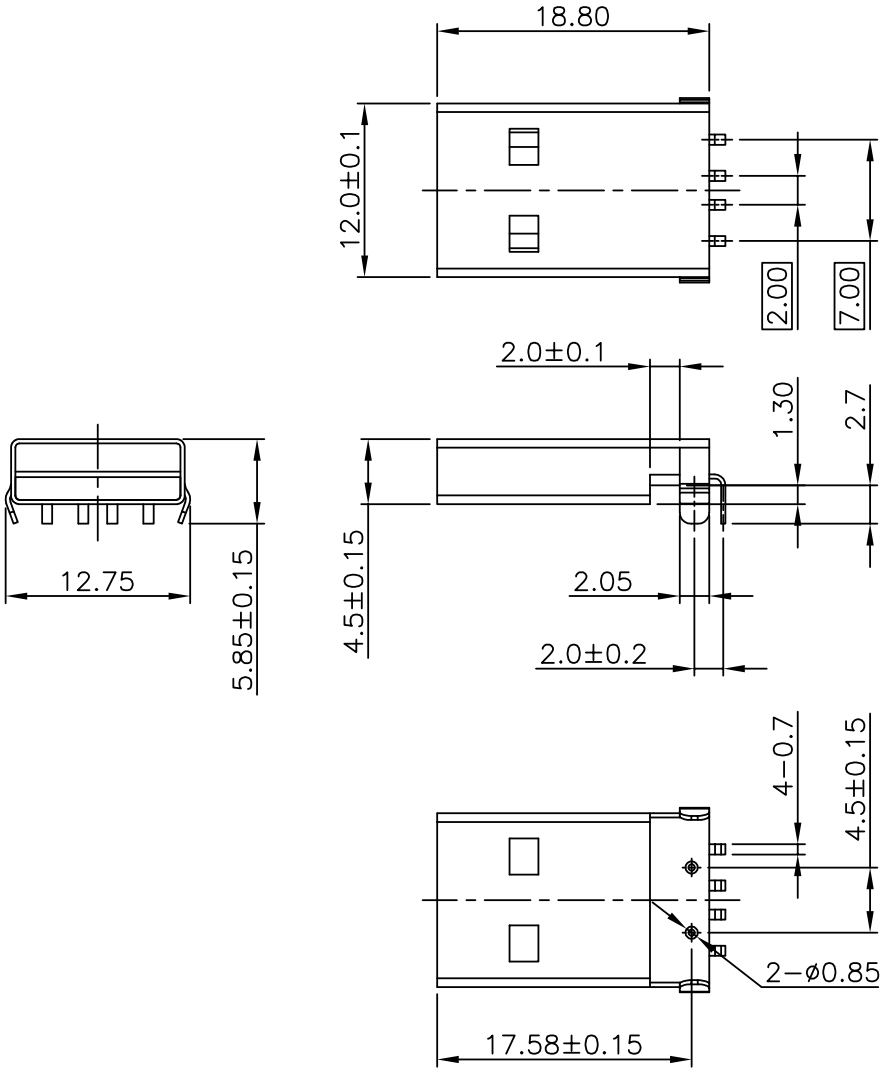
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds		240		°C

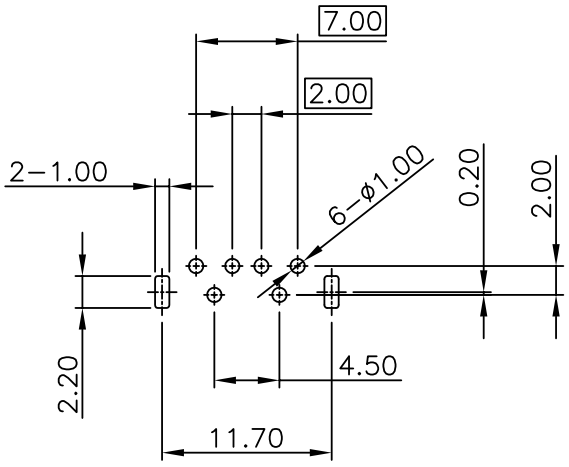
MECHANICAL DRAWING

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



	MATERIAL	PLATING
contact terminals	copper alloy	contact: gold over nickel solder: tin over nickel
shield	steel	nickel
insulator	LCP (UL94V-0)	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
1.06	CUI Devices rebranded to Same Sky	09/12/2024
1.07	added new dimension in mechanical drawing	04/24/2025

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

same sky

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