BitScope

Mixed Signal Probe Adapter

Digital + Analog

BitScope Micro Port 01

New

Standard Oscilloscope Probes
✓ Use industry standard attenuating oscilloscope probes, 1:1 to 100:1.

Active Differential & Current
✓ Use differential, current and any other probe compatible with scope inputs.

2 x BNC + 2 x Twisted Pair Inputs
✓ Optional twisted pair analog inputs, configurable ground termination.

6 x Logic + 2 x Comparator Inputs
✓ Connect logic inputs via twisted pairs, two signals via adjustable comparators.

Waveform and Clock Generators
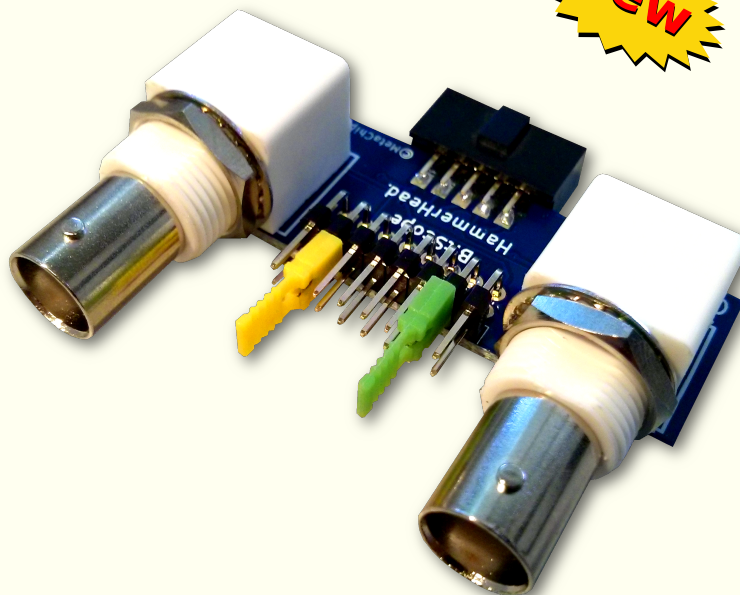✓ Analog waveform and clock generators available via the mixed signal header.

Configurable Signal Routing
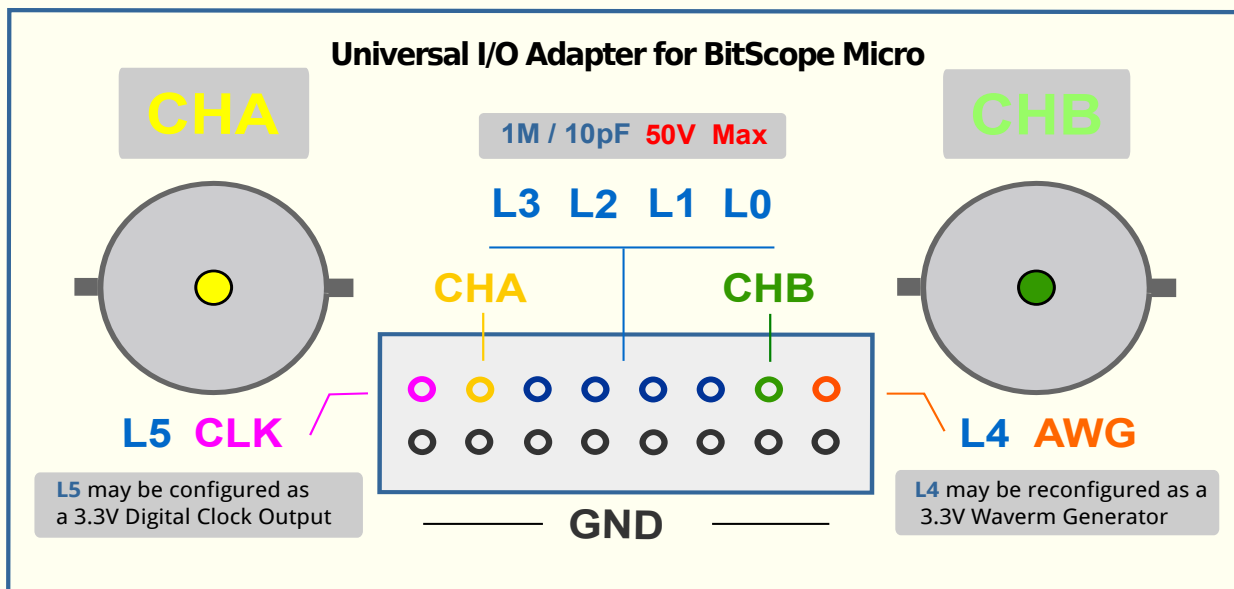✓ Signal routing is configurable via included colour coded terminators.


Universal I/O Adapter for BitScope Micro

CHA　　　**CHB**

1M / 10pF 50V Max

L3 L2 L1 L0

CHA　　　**CHB**

L5 CLK　　　**L4 AWG**

L5 may be configured as a 3.3V Digital Clock Output

L4 may be reconfigured as a 3.3V Waverm Generator

GND

Dual channel oscilloscope probe adapter for **BitScope Micro**. Use standard oscilloscope probes connected via the pair of BNC sockets. Allows twisted pair connections via two additional analog inputs, 6 logic inputs and 2 comparators. Connect BitScope's analog waveform and programmable clock generators via pin configurable terminators.
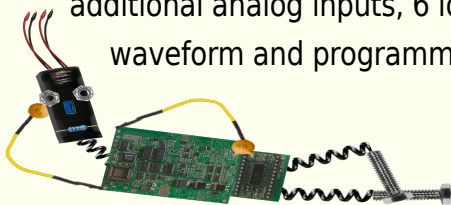
bitscope.com/product/MP01

Specification	NOTE	MP01A
Analog Inputs	BNC	2 (Coaxial)
Analog Inputs (Auxilliary)	POD	2 (Twisted Pair)
Logic Inputs (3.3/5V)		6 (Twisted Pairs)
Comparator Channels		2 (via CH-A & CH-B)
Waveform Generator		1 (via L4)
Clock Generator		1 (via L5)
Input Impedance (Analog)		1 MΩ / 20 pF
Input Impedance (Digital)		100 kΩ / 5 pF
Voltage Range (Direct)	1:1	-7.5 V ~ +10.8 V
Voltage Range (Scaled)	10:1	-75 V ~ +108 V
Power Requirement		None
Operating Temperature		0 ºC to 40 ºC
Storage Requirements		-40 °C ~ +40 °C / 5 % ~ 95 % RH
Dimensions (WxDxH)		60 x 50 x 20 mm
Weight	NET	28 g
		EL04A

BNC	Standard coaxial BNC connection for Belden 9907, RG58C, RG141A, URM43 or URM76
POD	Connection via two adjacent pairs of pins on the 16-pin right-angle header.
1:1	When direct connection or connection via a 1:1 oscilloscope probe is used.
10:1	When connection is made via a 10:1 passive attenuating oscilloscope probe.