

Standalone, High Channel Count Preamplifier Board for Third-Party Analog-to-Digital Converters (ADCs)



- Protective housing with stand-offs for easy connection to third-party ADCs
- Customizable input and output connectors to match third-party probe and ADC connections
- Narrow housing design for fitting two side by side
- Compact 2 x 25 mm preamps per channel
- Heavy duty latch for locking preamp connection

Channels

Channels per Preamp

128

Amplification ⁽¹⁾

40 dB

Input Impedance ⁽²⁾

39 kΩ

Preamp

Output Impedance

50 Ω

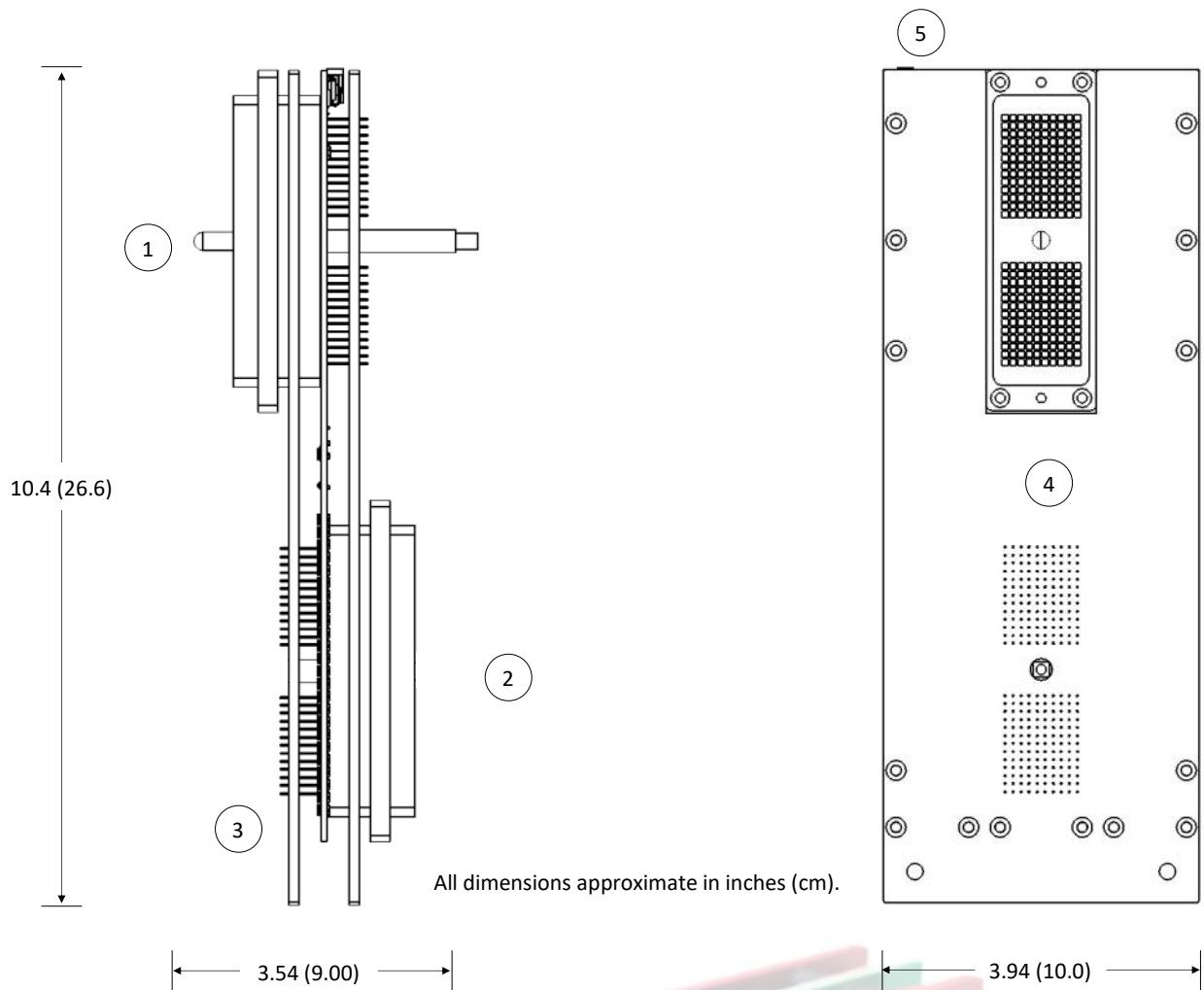
Bandwidth @ -6 dB ⁽³⁾

40 kHz to 35 MHz

(1) Measured with 50Ω load (actual gain depends on probe capacitance)

(2) Customizable up to 1MΩ (HiZ is the best to minimize noise at high frequencies)

(3) Measured using signal generator and oscilloscope with 50Ω input



1. Medical grade Cannon DLM-260 probe input connector with signal and ground pins for each channel to minimize crosstalk (pinout map available upon request). **Custom connectors and pin mapping to match existing third-party probes can be substituted in place of default connectors.**
2. Medical grade Cannon DLM-260 probe output connector with signal and ground pins for each channel to minimize crosstalk (pinout map available upon request). **Custom connectors and pin mapping to match existing third-party probes can be substituted in place of default connectors.**
3. Adjustable offsets provide uniform pressure across the housing and against ADC unit when connecting probes (removeable).
4. Durable housing protects AMP printed circuit board from unintended exposure.
5. 5VDC 2.5A (power supply included)

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All specifications are subject to change without notice.

LEGION™ AMP128 is classified EAR99 and does not require an export

PhotoSound Technologies, Inc. | Imaging and Data Acquisition Solutions

9511 Town Park Drive | Houston, TX 77036 USA

www.pst-inc.com | info@pst-inc.com | 713-401-9407