

ANALOG/DIGITAL CONVERTER BOARD

Detailed Specifications/Requirements

Item 0001 :

Quantity : 12

64 Channel Simultaneous Sampling A/D Board with the following specifications :

- 1) Standard 32 bit wide PCI bus single-slot form factor.
- 2) 64 single-ended simultaneous A/D input channels each with its own A/D converter.
- 3) 16 bit resolution.
- 4) Maximum sampling rate capability of 200,000 samples per second for 64 channels.
- 5) Software selectable input voltage range of +/- 2.5 V, +/- 5 V, or +/- 10 V.
- 6) 256 Ksample onboard FIFO with threshold size software programmable.
- 7) On board PCI bus master DMA controller.
- 8) Software controlled DMA transfers.
- 9) Three sampling source choices consisting of :
 Programmable internal rate generator, software trigger or externally signaled.
- 10) On-demand internal autocalibration. Factory required calibration is not acceptable.
- 11) Must include a Windows 2000/XP software package that provides for programming of the above mentioned features.

Suggested P/N : PCI-16AI64SSA-64-256K

Item 0002 :

Quantity : 12

3 foot cable with standard 80-pin dual ribbon connector compatible with item 0001

Suggested P/N : cable-3-PCI-16AI64SSA