



ADVANCED  
LINEAR  
DEVICES, INC.

## MB203LCD

### 16 x 2 LCD Character Display Module for the MB203 module board

The MB203LCD is a 16 x 2 Character LCD Display Module compatible with MB203 module board, a precision +/- 5½-digit Digital Voltmeter (DVM) printed circuit board that contains the ALD500R/ALD523D A/D Converter – Display Module Controller chipset. The MB203LCD has built-in Character ROM, display driver and column driver, a 6-inch cable and a 14-pin connector that plugs into the side of the MB203 board. It draws its power directly from the MB203 module board so that a separate power supply source is not required.

The MB203LCD, together with the MB203 and a standard +5 V DC power supply source, makes a complete high resolution, high precision Digital Panel Meter. For a complete list of characters available, please see publication DVM523, ALD523D Setup and Calibration Software User Guide, page 15.

#### Key Features

- 16 Characters with 2 lines display
- Over 200 character fonts available
- High Display resolution: 5 x 8 dots per character
- Display with driver mounted on a single printed circuit board
- Standard CMOS Logic compatible
- 6 inch cable with 14-pin connector that plugs directly into the MB203 Module Board
- Displays Multiple Display Sets with the MB203 Module Board
- Easy to program with the MB203 Module Board software and a standard PC

#### Key Specifications

- Power Supply: +4.5 V to +5.5V max @ 5mA max.
- High-Level Input Voltage= 2.2 V to Vcc
- Low-Level Input Voltage: 0.0 V to 0.6 V
- Operating Temperature Range: 0 to 50 degrees C.
- Font size: 4.35 mm x 2.95 mm
- Overall dimension: 80.0 mm (width) x 36.0 mm (height) x 11.0 mm (depth)