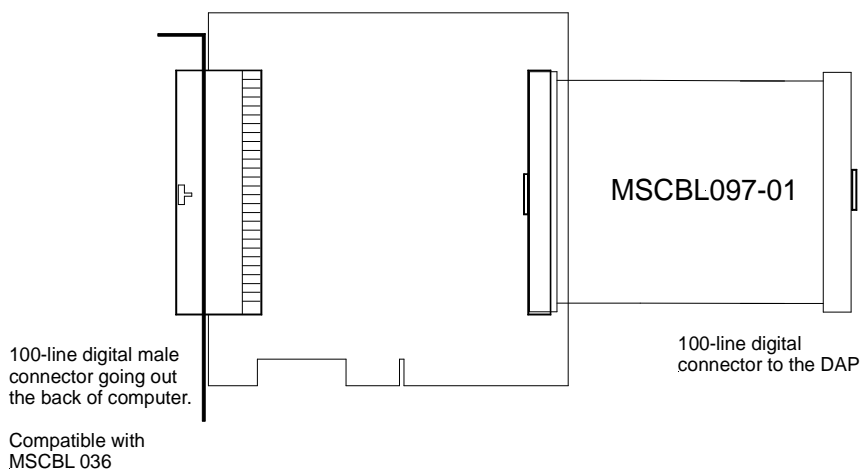


MSCBL113-01: 100-line Digital Cable Adapter Panel

The Microstar Laboratories 100-line Digital Cable Adapter Panel, part number MSCBL113-01, is compatible with all PCI a-Series Data Acquisition Processor™ boards. The MSCBL113-01 brings the Data Acquisition Processor board's digital input/output port out to the back panel of the host computer. One end of the panel connects to the digital input/output port while the other end has a 100-line male connector secured to a mounting bracket. This 100-line connector on the mounting bracket is compatible with any of the standard 100-line ribbon cables with an unshielded square connector.



Before installing the Data Acquisition Processor and MSCBL113-01, make sure you are properly grounded. Also, make sure that power to the host computer is off.

To install the MSCBL113-01:

1. Connect the end of the 100-line ribbon cable to the digital input/output port of the Data Acquisition Processor. The connector is keyed to make connection easy.
2. Insert both the Data Acquisition Processor and Digital Adapter Panel into the computer.
3. Fasten the back panel screws of the Data Acquisition Processor into the computer, and fasten the Digital Adapter Panel into the adjacent slot of the computer.

The digital output lines of the MSCBL113-01 have less drive current than that of the Data Acquisition Processor it is attached to. The table below shows the typical voltage for a given drive current when attached to an a-Series Data Acquisition Processor. I_{oh} and V_{oh} are the drive current and voltage for a digital output when driving high. I_{ol} and V_{ol} are the drive current and voltage for a digital output when driving low.

I_{oh}	V_{oh}	I_{ol}	V_{ol}
-13.5mA	2.0V	5.5mA	0.5V
-8mA	2.4V	8.9mA	0.8V

Typical drive current for MSCBL113-01 connected to an a-Series DAP

Please contact Microstar Laboratories for information on how to design large systems using the MSCBL113-01 or use an MSCBL113-01 with a non a-Series Data Acquisition Processor.