

Mounting Boards for Microprocessor Interface Input/Output Modules

LOGIC INTERFACE CONNECTORS

CRYDOM mounting boards offer both card edge and header patterns to allow for standard flat cable connection to microprocessor boards. The Logic Interface Connector table indicates the type of connectors each MS-H mounting board will accept. (Contacts spaced on 0.10" centres).

Recommended connectors and suppliers	26-pin card edge connector (T&B/Ansley P/N 609-2615M or equivalent). Suitable for MS-8H only.
	40-pin header (T&B/Ansley P/N 609-4037E or equiv.) with matching female socket connector (T&B/Ansley P/N 609-4030 or equivalent).
	50-pin card edge connector (T&B/Ansley P/N 609-5015M or equivalent).

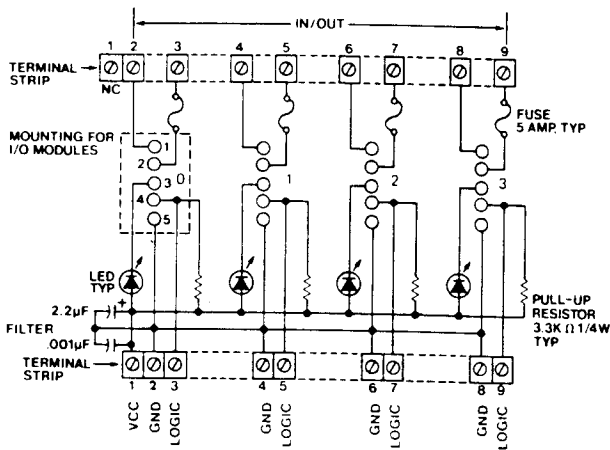
Data/Control Lines

The module data/control lines are assigned odd numbered pins on each connector. They are separated by ground traces and a ground plane to minimize cross talk, which terminates at the even numbered pins. Each data line has a 3.3KΩ pull-up resistor. LED indicators are included at each module location for on/off status.

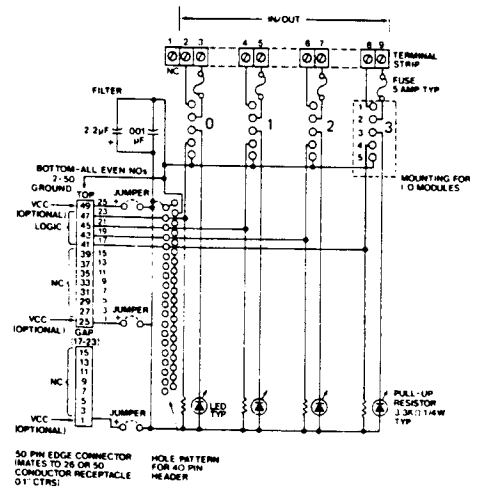
Power

Power (+Vcc) is introduced by means of a dual barrier strip (except the MS-4 and MS-4H). Other options include entry via the cable on pin 1 or pin 49, enabled by means of customer-installed jumpers. Decoupling capacitors are provided for noise protection and also to minimize cross talk.

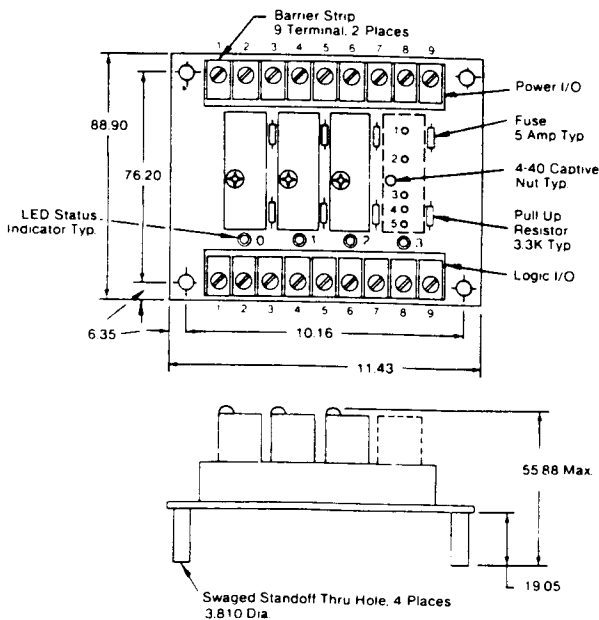
MS-4 Schematic



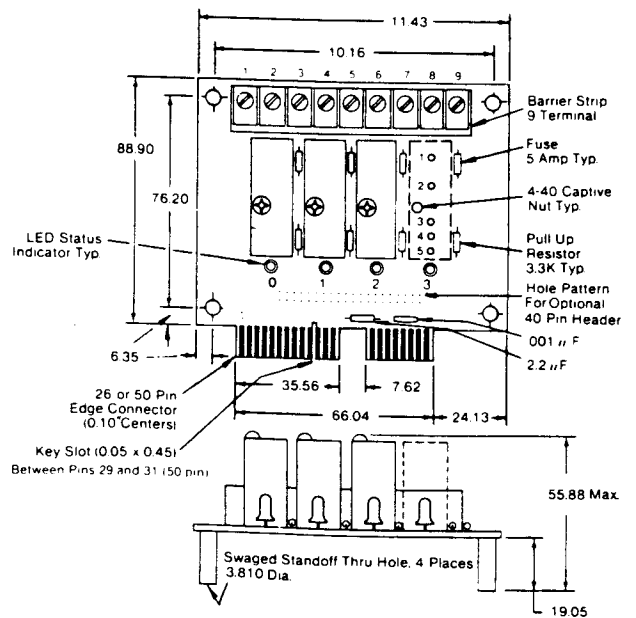
MS-4H Schematic



MS-4 Mounting Board



MS-4H Mounting Board

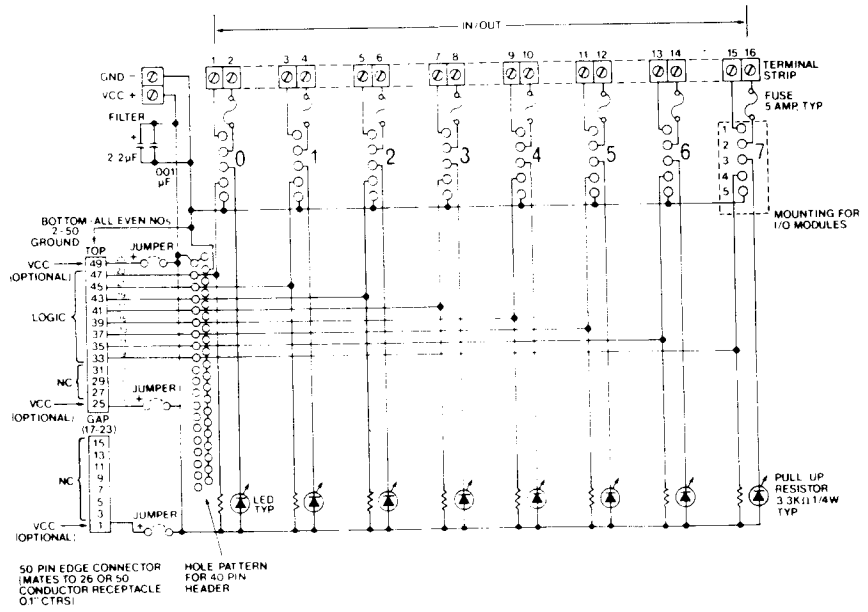


Recommended connectors and suppliers

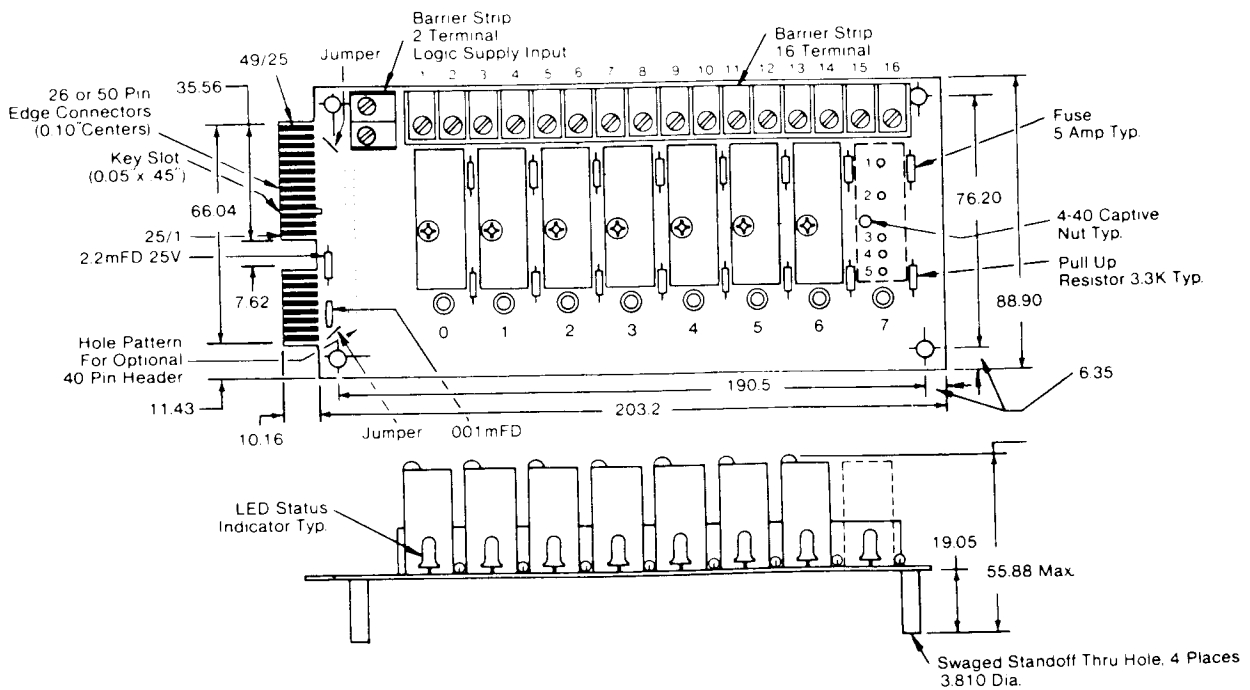
26 pin card edge connector (T&B/Ansley P/N 609-2615M or equivalent).
40-pin header (T&B/Ansley P/N 609-4037E or equiv.) with matching female socket connector (T&B/Ansley P/N 609-4030 or equivalent).
50-pin card edge connector (T&B/Ansley P/N 609-5015M or equivalent).

All dimensions in millimetres

MS-8H Schematic

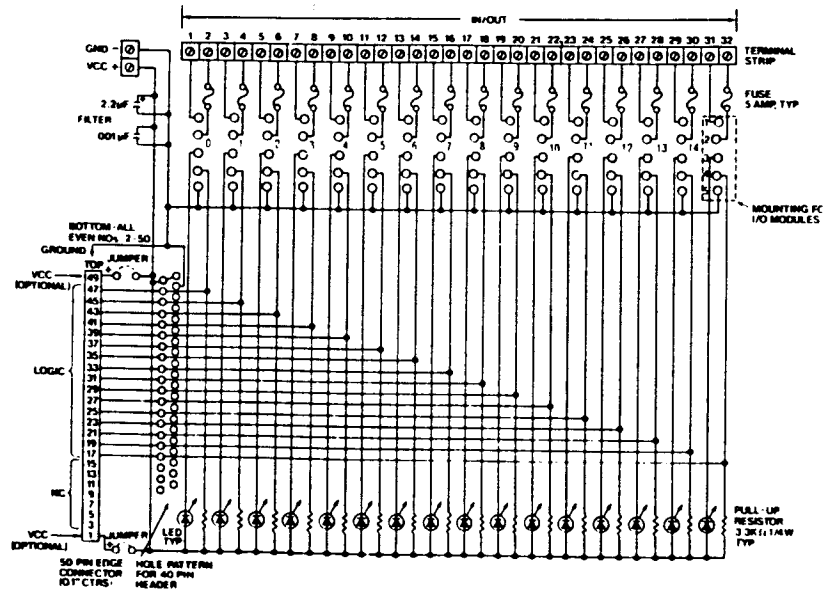


MS-8H Mounting Board

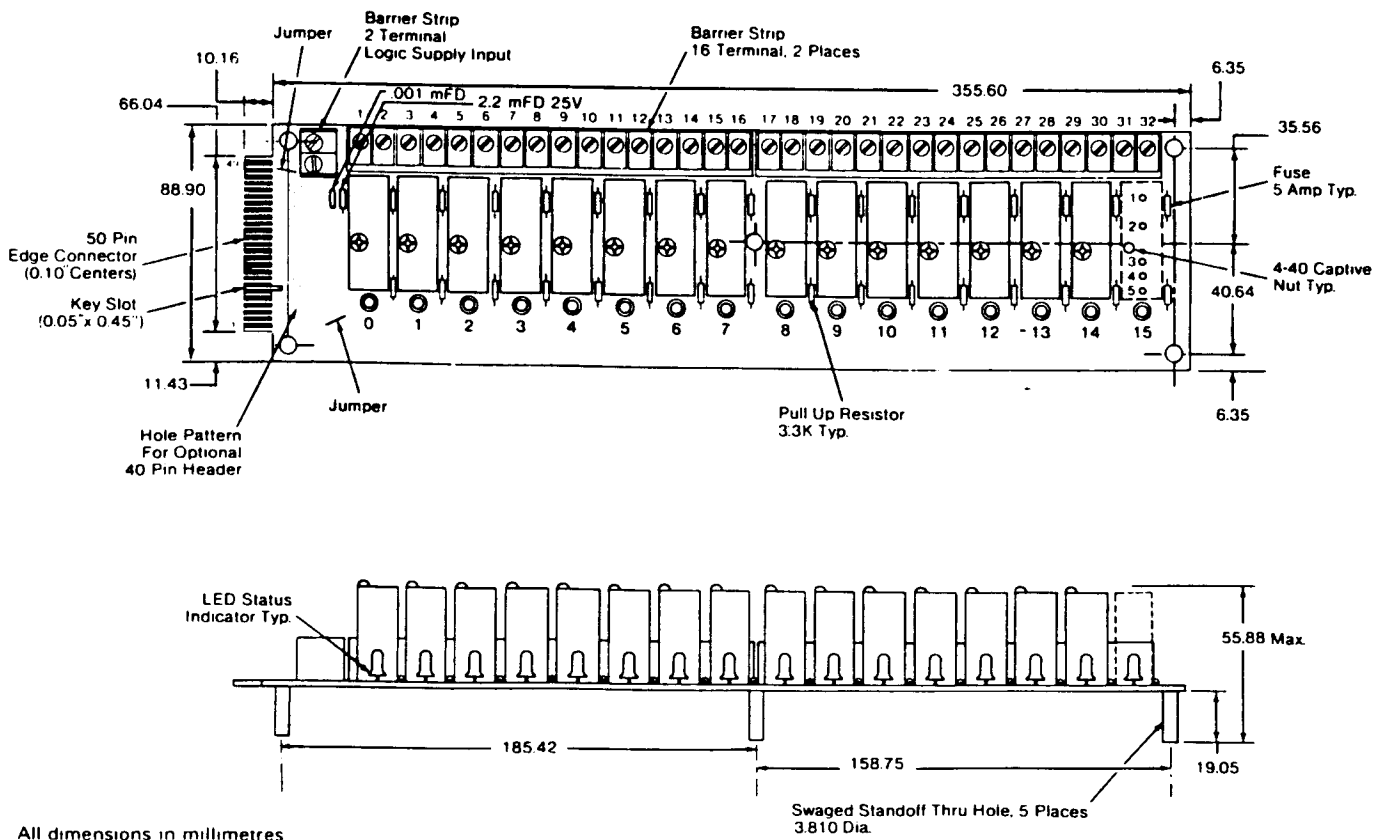


All dimensions in millimetres

MS-16H Schematic



MS-16H Mounting Board



All dimensions in millimetres