Model 4240

MIX Module Prototyping Kit

Features

- Everything you need to create your own MIX module
- Supports 32-bit data path to the MIX interface
- Supports 32-bit addressing to the MIX interface

General Information

Model 4240 is a general purpose prototyping kit, compatible with Pentek's family of MIX expansion modules. It provides a basic set of parts and allows the user to create a custom MIX module for a special function or interface.

The prototyping kit supports a 32-bit data path to the MIX bus, thereby providing direct access to the MIX interface of a baseboard, such as a Model 4283 or 4284. Therefore, a custom module implemented with the prototyping kit can gain direct access to the expansion bus of a 'C30, or the local bus of a 'C40. Such modules support 32-bit addressing to the MIX bus.

What's in the Kit

Included in the kit is a multilayer perforated board featuring a general purpose 0.1" x 0.1" hole pattern for mounting ICs and other components. Unlike most other Pentek MIX modules, this board extends the full depth of the card cage to give you space for more parts.

Special features on the board include the MIX connector pattern on top and bottom, and provisions for series damping resistors for the data lines.

The board also includes provisions for wire-wrap headers for all MIX bus signal lines, bypass capacitors, power line connections, and fuses.

Also included in the kit is a MIX stacking connector, front panel, associated hardware, and a sample design package for the Pentek 4241 Digital I/O MIX module.

For more information on the MIX bus, please see pages 12–15 of this catalog.

Specifications

Board Construction

Material: epoxy glass
No. of layers: 6
Dimensions: 152 mm (6.0 in.) x 226 mm (8.9 in.)
Thickness: 1.6 mm (0.062 in.)

Board Features

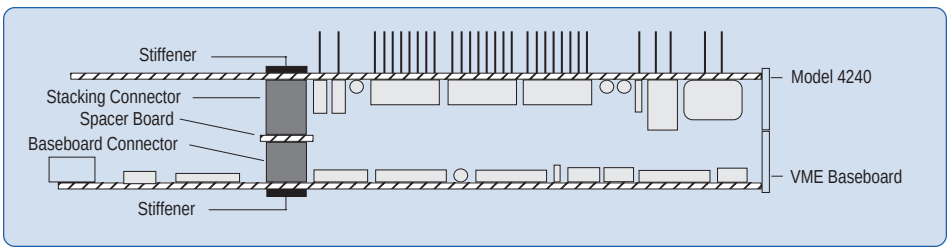
MIX Pattern: top and bottom side, gold-plated surface mount type, 130 pins
MIX Signals: three 34-pin DIL wire-wrap header hole patterns
Power Lines: +5 V, ±12 V, Gnd, plated through holes for wire-wrap 12-pin header
Prototyping Area: remainder of board perforated on 0.1" x 0.1" grid of plated through holes
Bypass Capacitors: holes for bypass capacitors on the +5 V bus

Hardware Supplied

MIX Hardware: one MIX stacking connector, four MIX jackscrews
VMEbus Hardware: one blank front panel, two panel brackets, two captive screws, two MIX adapter plates, and miscellaneous other.

Ordering Information

Model	Description
4240	MIX Module Prototyping Kit



Custom module made with Model 4240 stacked on a MIX baseboard

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