MPA Evaluation Board

MPA1/BRD

Motorola Programmable Array Evaluation Board

The MPA1/BRD is a simple evaluation vehicle for the MPA1016 or MPA1036 devices in 84PLCC packages. The board provides a convenient interface connector to the MPA1/POD download cable. The socketed MPA device may be configured using this port in conjunction with the MPA1/POD or via the on board serial boot PROM socket.

Additional features include:

- 4–DIP switch pack to set the boot mode of the MPA
- 8–DIP switch pack to provide for simple user input
- 4 momentary action push button switches for BFR, User Reset, Reset and Power–Up signals
- A 4 segment LED bar graph and an 8 segment LED digit for visual output
- On–board 2mhz oscillator
- 3/5 Volt connection points
- An on board 5V regulator for connection to a higher voltage unregulated supply

Connection points are also provided corresponding to every pin on the MPA's 84PLCC package. Status LEDs provide the designer with an indication that the MPA is ready for or is accepting a download, and whether or not a boot data stream error has been encountered.

- Convenient evaluation vehicle for MPA devices
- Connects easily to MPA1/POD Serial Port Download Cable
- Socketed to accept serial boot PROM
- DIP Switches provided for user input
- LEDs provided for visual output
- On board Oscillator
- Every pin has associated connection point for easy evaluation
- Boot status LEDs
- On board 5V regulator

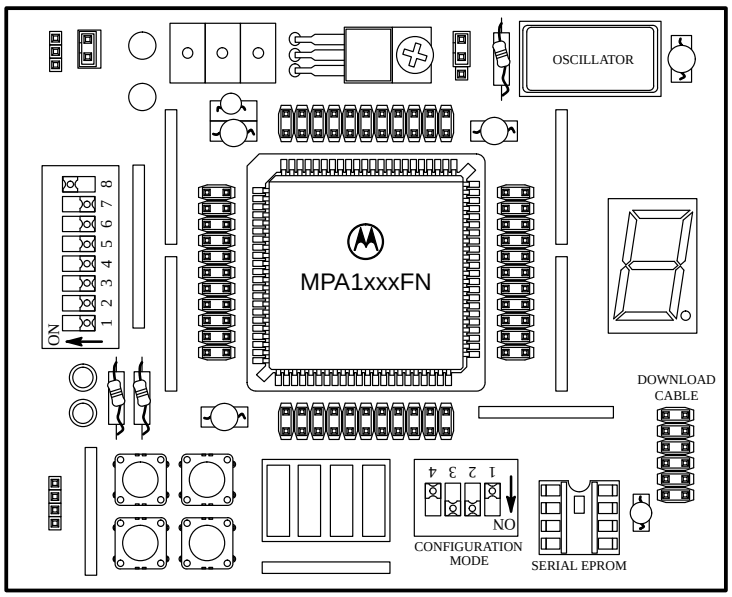

Figure 1. MPA Evaluation Board

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