

MPA Download Cable

The MPA1/POD is a serial port appliance that allows your PC or Sun Workstation to download configuration data to any MPA device. The target MPA will most often reside in the evaluation board (MPA1/BRD) but download pod pin out specifications are provided so configuration data can be readily downloaded to a system of your design.

- Downloads Configuration Data to any MPA Device
- Eliminates need to burn boot PROM for every design trial
- Works from either PC or Sun Workstation Serial Ports
- Simple user interface
- Powered from target system
- Attaches directly to MPA1/BRD evaluation board
- Pin outs provided, enabling connection to your target system

Configuration data is generated by the MPA Design System after successful completion of the autolayout process. Host machine software that is included with the MPA Design System transfers the ASCII Hex (.AHF) formatted file from the PC's or Workstation's 25 pin serial port to the target system. (Readily available 9:25 PC serial port adapters may be used when required.) The MPA accepts the configuration data in BFR Mode 2 (Boot From ROM, Serial Data) with the download pod providing the external clock. The download pod is powered by the target system.

Host machine software varies slightly depending on platform and operating system. For Win95 installations, a graphical user interface is provided. For WIN-NT and WIN3.1 machines, the host software DOSDLOAD is a command line interface. Similarly for SUNOS, SUNDLOAD is a command line interface. Each of the tool versions provides on line help. Additional help is available in the on-line documentation of the MPA Design System.

MPA1/POD

**Motorola
Programmable Array
Download Cable**

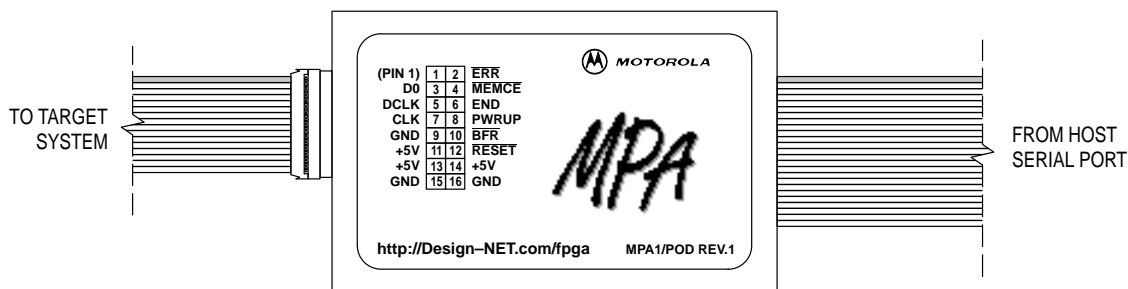



Figure 1. MPA Download Cable



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