

MP-85



FEATURES

- MP 85 can be operated from on-board jetpad
- Keypad and Serial Monitor programs support the entry of user programs, editing and relocation: debug facilities like breakpoints and single- stepping, direct port input/ output and full speed execution of user programs.
- User friendly windows and DOS driver software for the upload / download to or from host Computer
- On board Programmable Interrupt Controller 8259A.
- 32K bytes of CMOS static RAM with optional battery backup Total memory can be expanded upto 64Kbytes.
- Allows multi - processor system design by supporting the HOLD and HLDA signals.
- STD bus compatible signals available on the ribbon cable connector
- Easy system expansion.
- Reliable SMD design

SPECIFICATIONS

CPU :

- 8085 @ 3.072 MHz

MEMORY :

16Kbytes of firmware in 27128 at 32KB of Static RAM using 62256.

PERIPHERALS :

- 8279 : Controls 32 keys keypad & 6-digit, 0.5" seven Segment LED display.
- 8253 : 3 programmable interval timers Timer 0 is used For implementing single - step facility. Timer 1 is Used for generating baud clock.Timer 2 is Available to the user.
- 8251 : For serial communication supporting all standard Bauds from 1 to 19,200
- 8259 : Programmable Interrupt Controller accepts 8 Interrupt signals
- 8255 : (4 numbers) Two are used the system to implement On - board EPROM programmer and parallel printer Port. The other two are available for user giving 48 programmer I/O liners

BUS EXPANSION :

STD Compatible Bus signals are available on a 50 pin Ribbon Cable Connector.

INTERFACE SIGNALS :

- Parallel I/O : 48 TTL compatible lines (2x8255) are brought out through two 26 pin Ribbon cable Connection.
- Serial I/O : RS 232 compatible signals are available on 9 pin D type female connector

INTERRUPTS :

All interrupts except TRAP (used for single- step implementation) are available for user. If single-step is not required user can utilise TRAP also via jumper Option.

GENERAL :

Power SupplyRequirement: +5V DC @ 1Amp,
+12V DC@ 250mA
+30V DC@100mA

DELIVERABLES:

RS-232 Cable
User Manual

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* Specifications of the products mentioned in this catalog are subject to change due to constant upgradation and availability of components in the international market.