



8085 MICROPROCESSOR LCD KITS



MODEL : ET-8085ADLCD

* 8085 MICROPROCESSOR KIT

Model:ET-8085ADLCD

Memory Capacity

Monitor : EPROM : 64KB

Battery Backup : 16KB

Scratch Pad: 4KB

ADVANCED S/W: [Assembler:/ Disassemble]

*1 Pass line assembler

*2 pass Assembler

*2 pass Disassembler

*Basic interpreter

*Hex Dump.

Additional Serial and Parallel

Input/ Output :

SID/SOD based (8085)

INTERRUPTS:

* 8 Nos. Using 8259(8085)

*User Manual :

1) Student Workbook

2) Instructor Guide and Technical Reference

3) Lab Exercise Book for 8085.

Speed -

20 MHz crystal operated multi-output clock source to operate various resources on Mother Board like CPU,Baud rate, T/C etc.

etc.

*Parallel I/O

48 VO lines using two 8255 through 2 Nos. of 26 pin FRC header, printer I/F.

* Serial I/O

RS-232c serial interface using 8251 and RS232 driver IC through 9 Pin male D connector.

*Timer counter

3 Nos. T/C using 8253 pins brought out on 6 pin reliamate / 26 pin FRC

Display : 16 X 2 LCD (Backlit)

*Key Board:

Single chip micro- controller 89C2051 to support 101 Keys PC AT / PS2 Keyboard and LCD

*System Bus

50 Pin FRC buffered Bus to connect per ware cards as well as to facilitate ROM Emulation of 8 bit/16 bit system memory using external ROM emulation card cum converter card.

*Battery Backup

Rechargeable Ni cd battery (3.6/60maH) provide to Supply power to battery backup memory and RTC 58167 / 1202.

Onboard Features

* External Loud speaker (80hm/0.5w) interface for experiments on frequency synthesis.

* Reset and single step/interrupt push button.

* EP socket for experiments with cassette recorder interface.

* Programmable wait state generator I real Time clock IC 58167 /1202

* 1 Relay Output having 2NO & NC Contacts.

* 1 Opto isolated Input expandable to 4.

* 11 Nos. fault links to teach troubleshooting skills by introducing faults in the circuit.

*PALS-All glue logic like memory I/O decoders are implemented using 4(5) nos. of EEPROM PALS 16V8

POWER Supply (SMPS)

5V/2.5Amp SMPS With RCA plug +12 v/850 Ma,- 12v2.5 mA with 4 pin reliamate SMPS.

Cables and CD: 9 pin Female to 9 pin Female RS-23c cable, 26 pin FRC IO cable, USB to RS2232 Cable, sample program and software on CD.

Fault Links:

*Shorts 2 pins of Address Bus.

*Shorts 2 pins of Data Bus.

*Shorts Address pin to Data Bus.

*Increasing Battery Discharge.

*Disables RD/ and WR/ into BBK RAM

*Permanent Wait State.

*Disables 7 Segment Scanning.

*Disables 7 Segment Data.

*Permanent Reset State.

* Stops 20MHz Clock.

* Disables Baud Rate Clock.

* Enclosed in ABS Plastic Box with Cover

Note : Specifications are subject to change due to our constant efforts for Improvement. Please refer to quotation for final specifications.

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