Order Code - 43275 to 43284
Peripherals Study Card

Study Cards can be connected to the 50 Pins KXT Bus of any 8/16 bit Series Microprocessor Trainer Kits. In this Study Card LED's are provided for different signals like Read, Write, Address Lines, Data Lines, Chip Select & Ports depending upon the Peripherals. Study

43275 - 8255 (PPI) STUDY CARD

- 24 bit I/O using 8255 Programmable Peripheral IC
- All Input/Output ports pins are terminated on 3 eight pin terminals & 26 pin FRC Connector
- All Input/Output ports are indicated by 3 mm LEDs.
- Data lines from AD0 to AD7 are indicated by 3mm LEDs.
- Chip Select, A0, A1, Read, Write are indicated by 3mm LEDs.
- Hardware Single Step and Full Clock Execution mode are provided.
- Single stepping can be performed using micro switch provided on board.
- Using this study card all MODE experiment can be performed.
- Interface 8085/8086 Kit using 50 pin FRC Connector.
- User's Manual with Sample Programs.

43276 - 8253 (PTC) STUDY CARD

- Three channel Timer/Counter using 8253 Programmable Timer Counter IC.
- All Input/Output ports pins are terminated on terminals & 10 pin FRC Connector.
- Clock for Counter-0 is internally provided.
- Data lines from AD0 to AD7 are indicated by 3mm LEDs.
- Chip Select, A0, A1, Read, Write are indicated by 3mm LEDs.
- Hardware Single Step and Full Clock Execution modes are provided.
- Single stepping can be performed using micro switch provided on board.
- Card are supplied in Australian Pine Wood Enclosure.
- Using this study card all MODE experiment can be performed.
- Interface 8085/8086 Kit using 50 pin FRC Connector.
  User's Manual with Sample Programs..

43277 - 8155 (PPI WITH TIMER) STUDY CARD

- 22 bit I/O with single channel timer using 8155 Programmable Peripherals IC
- All Input/Output ports pins are terminated on 3 eight pin terminals & 26 pin FRC Connector
- All Input/Output ports are indicated by 3 mm LEDs.
- Data lines from AD0 to AD7 are indicated by 3mm LEDs.
- Chip Select, IO, Memory, Read, Write are indicated by 3mm LEDs.
- Hardware Single Step and Full Clock Execution modes are provided.
- Single stepping can be performed using micro switch provided on board.
- Using this study card all MODE experiment can be performed.
- Interface 8085/8086 Kit using 50 pin FRC Connector.
- User's Manual with Sample Programs.

43278 - 8251 (USART) STUDY CARD

- Serial communication using 8251 Universal
- Synchronous/ Asynchronous Receiver Transmitter IC.
- Output are provided on 9 pin D-Type connector.
- Data lines from AD0 to AD7 are indicated by 3mm LEDs.
- Chip Select, Read, Write, A0, A1, DTR, DSR, RTS, CTS, TxRDY, RxRDY are indicated by 3mm LEDs.
- Hardware Single Step and Full Clock Execution modes are provided.
- Single stepping can be performed using micro switch provided on board.
- Using this study card all MODE experiment can be performed.
- Interface 8085/8086 Kit using 50 pin FRC Connector.
- User's Manual with Sample Programs.

43279 - 8257 (DMA) STUDY CARD

- Programmable Direct Memory Access controller using 8257 IC.
- On-board 2K RAM Provided using 6116 IC for DMA
- Operation.
- 8 Inputs are fed through input terminals with 3 mm LED indicator.
- Data lines from AD0 to AD7 are indicated by 3mm LEDs.
- Chip Select, Read, Write, A0, A1, A2, A3, Memory- Write, Memory-Read, IO-Write, IO-Read are indicated by 3mm LEDs.
- AEN, Mark, TC, HRQ, DACK0, DACK1, DACK2 are indicated by 3mm LEDs.

Note: Specifications are subject to change.

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- Hardware Single Step and Full Clock Execution modes are provided.
- Single stepping can be performed using micro switch provided on board.
- Using this study card all MODE experiment can be performed.
- Interface 8085/8086 Kit using 50 pin FRC Connector.
- User's Manual with Sample Programs..

43280 - 8259 (PIT) STUDY CARD

- 8 Channel Programmable Interrupt controller using 8259 IC.
- 8 Inputs interrupts are fed through input terminals.
- Data lines from AD0 to AD7 are indicated by 3mm LEDs.
- Chip Select, Read, Write, INTA, INTR are indicated by 3mm LEDs.
- Hardware Single Step and Full Clock Execution modes are provided.
- Single stepping can be performed using micro switch provided on board.
- Using this study card all MODE experiment can be performed.
- Interface 8085/8086 Kit using 50 pin FRC Connector.
- User's Manual with Sample Programs.

43281 - 8279 (PKDC) STUDY CARD

- Programmable Keyboard Display Controller using 8279 IC.
- All scan lines/return lines are fed through input terminals & 26 pin FRC connector.
- Data lines from AD0 to AD7 are indicated by 3mm LEDs.
- Chip Select, Read, Write, INTA, A0 are indicated by 3mm LEDs.
- Hardware Single Step and Full Clock Execution mode are provided.
- Single stepping can be performed using micro switch provided in the board.
- 8 Digit Seven Segment display with 20 keys keypad interface module to be interfaced with 8279 Study Card. **(OPTIONAL)**
- Using this study card all modes experiment can be performed.
- Interface 8085/8086 Kit using 50 pin FRC Connector. User's Manual with Sample Program.

43282 - 8212 (LATCH) STUDY CARD

- 8 bit Latch output using 8212 IC
- 8 buffered latch output are indicated by 3mm LEDs.
- Hardware Single Step and Full Clock Execution modes are provided.
- Single stepping can be performed using micro switch provided on board.
- Using this study card all MODE experiment can be performed.
- Interface 8085/8086 Kit using 50 pin FRC Connector.
- User's Manual with Sample Programs.

43283 - LATCH / BUFFER STUDY CARD

- 8 bit Latch output using 74373 IC.
- 8 bit Buffer input using 74245 IC.
- 8 buffered latch output are indicated by 3mm LEDs.
- Eight Way DIP Switch is provided for buffer input.
- Eight bit buffered output are indicated by 3mm LEDs.
- Chip Select for IC-74245 and IC-74373 are indicated by 3mm LEDs.
- Hardware Single Step and Full Clock Execution modes are provided.
- Single stepping can be performed using micro switch provided on board.
- Using this study card all MODE experiment can be performed.
- Interface 8085/8086 Kit using 50 pin FRC Connector.
- User's Manual with Sample Programs

43284 - 6116/6264/62256 RAM STUDY CARD

- Data lines from AD0 to AD7 are indicated by 3mm LEDs.
- Chip Select, Read, Write are indicated by 3mm LEDs.
- Hardware Single Step and Full Clock Execution modes are provided.
- Single stepping can be performed using micro switch provided on board.
- Using this study card all MODE experiment can be Performed
- Interface 8085/8086 Kit using 50 pin FRC Connector.
- User's Manual with Sample Programs.

Note: Specifications are subject to change.

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