

GENERAL DESCRIPTION

The MDS PIC02 wafer card is an 8 bit, field programmable, ISO-7816 compatible multi-chip Smart Card featuring the Microchip Technology, Inc. PIC16F84 + 24LC16 die. Fully compatible with similar products on the market, the card is supported by a number of commercially available programmers.

The card features an expanded data memory and is ideally suited for applications requiring field programming and reprogramming, short time to market and small to medium volume roll outs.

The card is available in a variety of printing and configuration options

FEATURES:

- ISO 7816-1 Compatible Pin-out
- ISO 7816-1 Compatible Card Body
- Single 5V Operation
- DC to 10 MHz Operating Speed
- DC to 400 ns Instruction Cycle
- Harvard Architecture
- 35 Word Single Word RISC Instructions
- Re-programmable with Code Protection
- 1024 X 14 On-Chip Program Memory
- 64 X 8 Internal EEPROM Memory
- 16K X 8 Expanded EEPROM Memory
- Enhanced Code protection
- 40 Year Data Retention
- > 1,000,000 Write/Erase Cycles
- > 2KV ESD Protection

CONTACT DESCRIPTION

Pin#	Name	Function
C1	Vcc	Power Supply
C2	MCLR	Master Clear
C3	RB6/Osc1	Clock Input
C4	N/C	No Connect
C5	Vss	Ground
C6	N/C	No Connect
C7	RB7	Data I/O
C8	N/C	No Connect

