

CLXSA001MD1

Smart Card

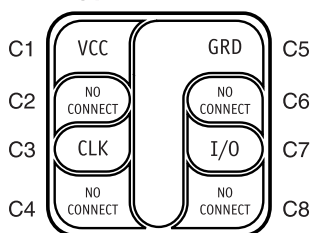
DESCRIPTION

The CLXSA001MD1 Smart Card provides 1,048,576 bits/ 128 K bytes of serial (EEPROM) organized as 131,072 words of 8 bits each. The card is optimized for use in many industrial and commercial applications where low power and low voltage operation are essential.

Program development is supported through the CardLogix Smart Toolz™ development kit, the Winplex® API, and the CardAppz™ application software.

The CLXSA001MD1 is available in the standard CR-80, ISO 7816 package, or SIM/SAM Module.

Typical Module

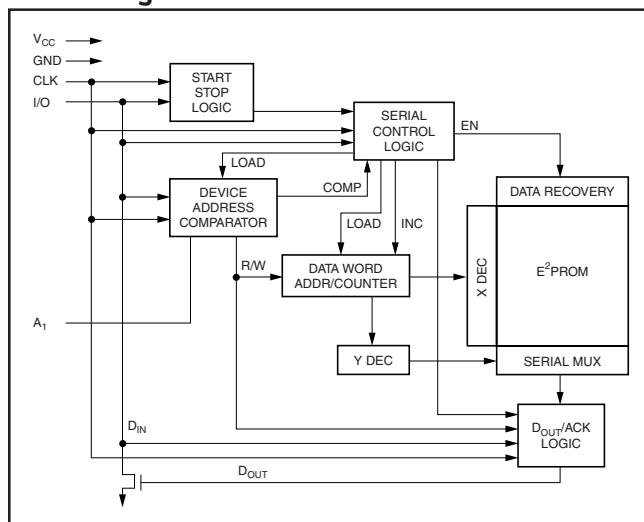


Card Contacts

FEATURES

- Voltage operating range: 2.7V to 5.5V
 - Peak write current 3 mA at 5.5V
 - Maximum read current 1.0 mA at 5.5V
 - Standby current 2 mA maximum (2.7 option)
- Industry standard two wire bus protocol
 - I²C™ compatible
- Page write, or byte write modes available
- 5ms maximum write cycle time, byte or page
- Filtered inputs for noise suppression
- Self-timed ERASE and WRITE cycles
- Power on/off data protection circuitry
- Endurance: 100,000 E/W cycles guaranteed
- Electrostatic discharge protection > 4,000V
- Data retention 40 years

Block Diagram



CardLogix

Many readers do not yet support this density. Please call us for list of supported readers.

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