Product Overview

CAT93C86: EEPROM Serial 16-Kb Microwire

For complete documentation, see the data sheet.

The CAT93C86 is a 16-kb Serial EEPROM memory device which is configured as either registers of 16 bits (ORG pin at VCC) or 8 bits (ORG pin at GND). Each register can be written (or read) serially by using the DI (or DO) pin. The CAT93C86 features a self-timed internal write with auto-clear. On-chip Power-On Reset circuit protects the internal logic against powering up in the wrong state.

Features

- High Speed Operation: 3 MHz (5 V)
- 1.8 V to 5.5 V Supply Voltage Range
- Selectable x8 or x16 Memory Organization
- Self-timed Write Cycle with Auto-clear
- Sequential Read
- Hardware and Software Write Protection
- Power-up Inadvertent Write Protection
- Low Power CMOS Technology
- Program Enable (PE) Pin
- 1,000,000 Program/Erase Cycles

For more features, see the data sheet

Part Electrical Specifications

Product	Pricing ($/Unit)	Compliance	Status	Type	Density	Organization	Data Transmission Standard	f_{cycle} Max (kHz)	t_{ACC} Max ns	V_{CC} Min (V)	V_{CC} Max (V)	$I_{standby}$ Max (µA)	I_{act} Max (mA)	T Min (°C)	T Max (°C)	Package Type
CAT93C86VI-GT3	0.1733	Pb-free Halide free non AEC-Q and PPAP	Active	Serial	16 kb	2k x 8	Micro Wire	2000	150	1.8	5.5	10	3	-40	85	SOIC-8
CAT93C86XI-T2	0.3933	Pb-free Halide free non AEC-Q and PPAP	Active	Serial	16 kb	2k x 8	Micro Wire	2000	150	1.8	5.5	10	3	-40	85	SOIC-8

For more information please contact your local sales support at www.onsemi.com.

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