

Product Overview

CAT93C86B: EEPROM Serial 16-Kb Microwire

For complete documentation, see the data sheet.

The CAT93C86B 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 CAT93C86B 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: 4 MHz (5 V), 2 MHz (1.8 V)
- 1.8 V (1.65 V) to 5.5 V Supply Voltage Range CAT93C86BxxxxL (TA = -20°C to +85°C)
- Selectable x8 or x16 Memory Organization
- Self-timed Write Cycle with Autoclear
- 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

Applications

- Alarm Systems
- Audio Players
- Automotive Systems
- Cable Modems
- Industrial Controls

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
CAT93C86BHU4I-GT3	0.2667	Pb-free Halide free non AEC-Q and PPAP	Active	Serial	16 kb	2K x 8 1K x 16	Micro Wire	4000	100	1.8	5.5	2	2	-40	125	UDFN-8
CAT93C86BVI-GT3	0.2293	Pb-free Halide free non AEC-Q and PPAP	Active	Serial	16 kb	2K x 8 1K x 16	Micro Wire	4000	100	1.8	5.5	2	2	-40	125	SOIC-8
CAT93C86BYI-GT3	0.3147	Pb-free Halide free non AEC-Q and PPAP	Active	Serial	16 kb	2K x 8 1K x 16	Micro Wire	4000	100	1.8	5.5	2	2	-40	125	TSSOP-8

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

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