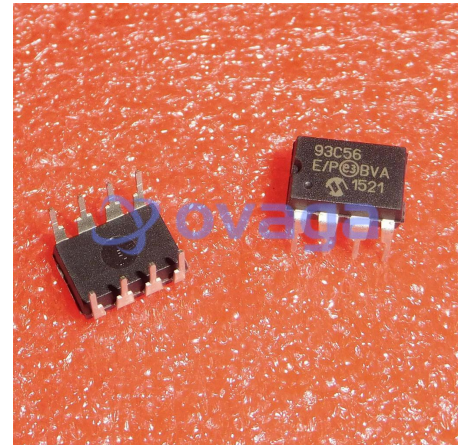


EEPROM Serial 2K-bit 256 x 8/128 x 16 5V Automotive 8-Pin PDIP Tube

Manufacturers	Microchip Technology, Inc
Package/Case	PDIP-8
Product Type	Memory
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for 93C56-E/P or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The CAV93C56 is an Automotive Grade, 2-Kb Microwire Serial EEPROM device which is organized as either 128 registers of 16 bits (ORG pin at VCC) or 256 registers of 8 bits (ORG pin at GND). Each register can be written (or read) serially by using the DI (or DO) pin. The CAV93C56 features sequential read and self-timed internal write with auto-clear. On-chip Power-On Reset circuitry protects the internal logic against powering up in the wrong state.

Features

Automotive Temperature Grade 1 (-40°C to +125°C)

Allows the use in safety critical application

2.5 V to 5.5 V Supply Voltage Range

Single power supply from 2.5 V to 5.5 V. Functional over the entire temperature range

8-pin SOIC and TSSOP Packages

Space-Efficient Packaging

High Speed Operation: 2 MHz

Selectable x8 or x16 Memory Organization

Sequential Read

Software Write Protection

Power-up Inadvertant Write Protection

Low Power CMOS Technology

1,000,000 Program/Erase Cycles

100 Year Data Retention

These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

Application

Door module

Seat control unit

Body computer & energy management unit

Immobilizer unit

Wiper module

Fan control unit

Park assist unit

Light management unit

Electronic parking brake

Engine Start/Stop control unit

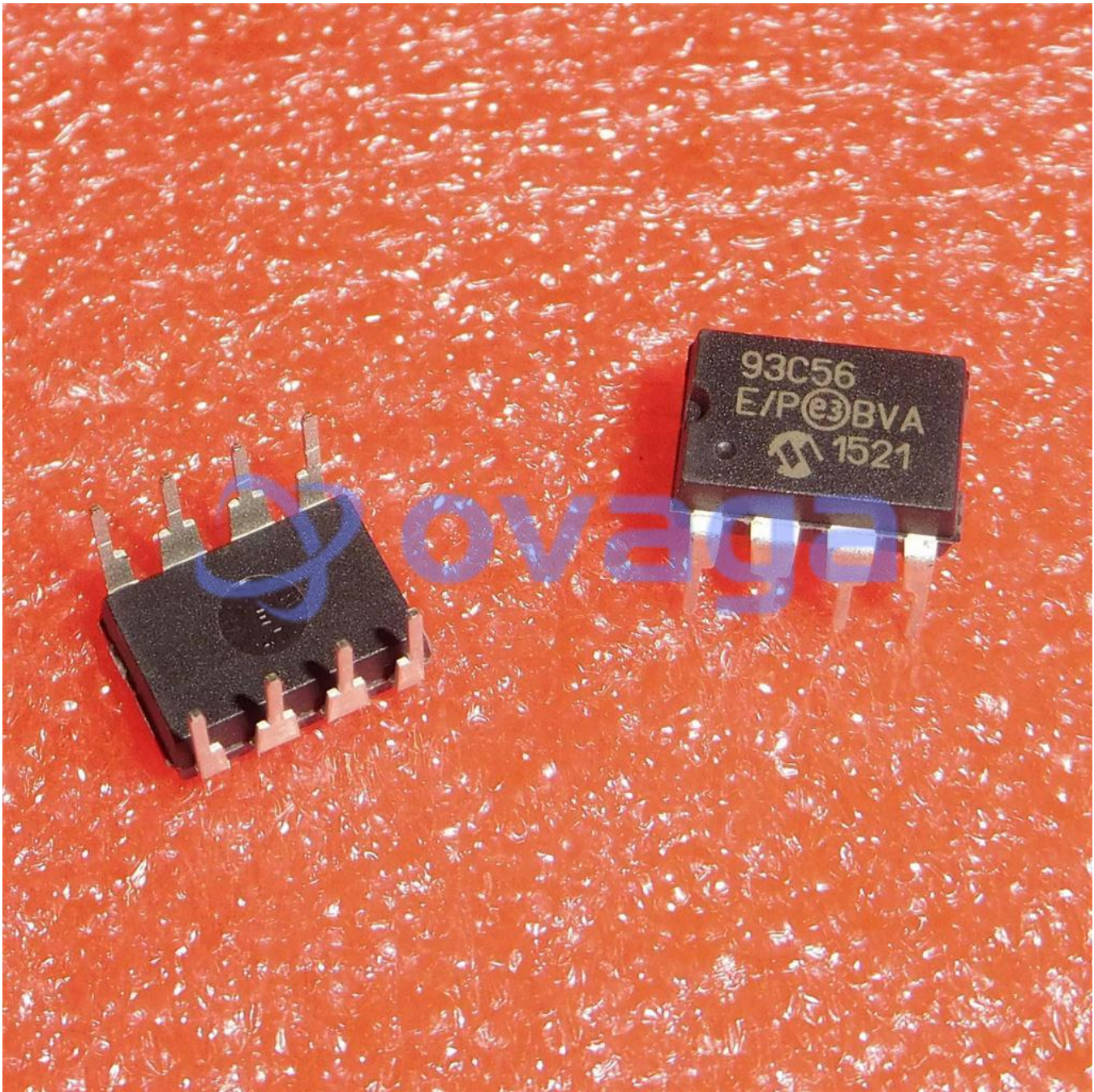
Engine control unit

ABS/ESP (Electronic Stability Program)

Airbag

Integrated navigation and infotainment systems

Electric steering control unit, ESL



Related Products



[AT93C46EN-SH-T](#)

Microchip Technology, Inc
SOIC-8



[AT93C46E-TH-T](#)

Microchip Technology, Inc
TSSOP-8



[AT93C46EN-SH-B](#)

Microchip Technology, Inc
SOIC-8



[93LC86T-I/SN](#)

Microchip Technology, Inc
SOIC-8



[93C86T-E/SN](#)

Microchip Technology, Inc
SOIC-8



[93C86-E/SN](#)

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SOIC-8



[93C86-E/P](#)

Microchip Technology, Inc
PDIP-8



[93C76T-E/SN](#)

Microchip Technology, Inc
SOIC-8