

## Product Overview

### LE24162LBXA: Two Wire Serial Interface EEPROM 16 kbits (2k X 8 bits)

For complete documentation, see the data sheet.

The LE24162LBXA is a 2-wire serial interface EEPROM. It realizes high speed and a high level reliability by incorporating high performance CMOS EEPROM technology. This device is compatible with I2C memory protocol; therefore it is best suited for applications that require small-scale re-writable nonvolatile parameter memory.

#### Features

- Single supply voltage: 1.7 V to 3.6 V (to read)
- Erase/Write cycles: 105 cycles (Page write)
- Operating temperature: -40 to +85°C
- Interface: Two wire serial interface (I2C Bus)
- Operating clock frequency: 400 kHz
- Low power consumption: Standby: 2  $\mu$ A (max): Active (Read): 0.5 mA (max)
- Automatic page write mode: 16 Bytes
- Read mode: Sequential read and random read
- Data Retention: 20 years
- High reliability

For more features, see the data sheet

#### Benefits

- Low power consumption
- High Reliability

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Type	Density	Organization	Data Transmission Standard	f <sub>cycle</sub> Max (kHz)	t <sub>ACC</sub> Max ns	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	I <sub>standby</sub> Max ( $\mu$ A)	I <sub>act</sub> Max (mA)	T Min (°C)	T Max (°C)	Package Type
LE24162LBXA-SH	0.1561	Pb-free Halide free	Active	Serial	16 kb	2k x 8	I2C	400	900	1.7	3.6	2	0.5	-40	85	WLC SP-6 / WLF CP-6

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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