



80C32

8-bit ROM-less Microcontroller

The ELT80C32 is manufactured by Eltek Semiconductors using genuine **ATMEL** die fabricated with their 0.5 micron process. This device is 100% interchangeable with the original device offered by Atmel for military applications.

The ELT80C32 is a fully static CMOS design which allows the reduction of system power by bringing the clock frequency down to any value, including DC, without loss of data. An internal clock doubling feature allows operating frequencies up to 40MHz. By default this is disabled to allow backwards compatibility.

Additionally the ELT80C32 has two software selectable modes of further reducing power consumption. In the idle mode the CPU is frozen whilst the RAM, timers, serial port and interrupt system continue to function. In the power down mode all functions are disabled and the RAM contents are saved.

The ELT80C32 is available in either a 40-pin sidebrazed package or a 44-pin J leaded ceramic quad flat pack.

KEY FEATURES

- -55 to 125°C operation
- 256 bytes on chip RAM
- 32 Programmable I/O lines
- Three 16-bit timer/counters
- 64K Program Memory Space
- Fully Static Design
- 64K Data Memory space
- Boolean processor
- 6 Interrupt sources
- Programmable serial port

PART NUMBERS AVAILABLE

