



# Z85230/Z80230

## Enhanced Serial Communications Controllers

Manufactured by Eltek Semiconductors Ltd using genuine **Zilog** die, these parts are 100% interchangeable with the original parts supplied by Zilog for military applications.

For more than 20 years, Zilog has set the standard for Serial Communication Controllers (SCC). These devices are based on the industry acclaimed SCC core.

These devices offer low power consumption, high performance and excellent noise immunity. The advanced on-chip features reduce the need for external logic and code development found with other devices. The CPU overhead is also reduced.

Eltek offers these devices in either 40 pin DIL sidebrazed or 44 J-lead Ceramic Chip Carriers; tested over -55 to 125 C for use in harsh environments.

The Z85230 is pin compatible with the Z8530 and Z85C30; the Z80230 is pin compatible with the Z8030 and Z80C30.

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## Enhanced Synchronous Communications Controllers

### KEY SPECIFICATIONS

- -55 to 125 C operation
- Two independent full duplex channels
- Ability to accommodate a crystal oscillator, baud rate generator, & digital phase-locked loop on each channel
- Processing speeds up to 5Mbps
- Multi-protocol format (async, monosync, bisync, SDLC/HLDC, SDLC/HLDC loop).
- Encodes as NRZI, FM0, FM1 & Manchester.
- CRC-16 or CRC-CCITT error detection.
- 4-byte Transmit FIFO / 8-byte Receive FIFO.
- Multiplexed or non-multiplexed bus interface
- Pin compatible with Z8030/8530 and Z80C30/Z85C30

### PART NUMBERS AVAILABLE

