



82C237

CMOS High Performance Programmable DMA Controller

The 82C237 is an enhanced version of the 82C37A, built and tested by Eltek Semiconductors Ltd using original **Harris** die and tested to the full data sheet.

The 82C237 is fully software and pin compatible with the 82C37A but also provides a mode for 16-bit DMA transfers as well as enhanced speed. The 82C237 allows external devices to transfer data directly to or from system memory. Memory-to-memory transfer is also possible along with memory block initialisation. DMA requests may be generated by hardware or software and each channel is independently programmable with a variety of features.

The 82C237 can be used with industry standard microprocessors such as the 80C286, 80C86, 80C88, Z80 and others.

Further information is available by referring to the original manufacturer's data sheet.

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KEY SPECIFICATIONS

- Tested over -55 to 125 C
- Tested for operation at 8MHz, 10MHz, or 12 MHz
- High speed data transfer;
- Up to 6.25 Mbytes/sec with 12.5 MHz clock in normal mode
- Up to 12.5 Mbytes/sec with 12 MHz clock in 16-Bit mode
- Four independent maskable Channels with auto-initialisation capability
- Cascadeable (*to N Channels*)
- Memory-to-memory transfers
- Fully TTL/CMOS compatible
- 40 pin DIL option
- Availability limited to die inventory

PART NUMBERS AVAILABLE

