

DY-4 SVM-E-708

## Intelligent Serial I/O Controller



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The SVME-708 Intelligent Serial I/O (ISIO) Controller is a VMEbus-compatible printed circuit board implemented on a standard, double-height Euroboard form factor. The DMV-707 Intelligent Serial I/O (ISIO) Controller is a conduction cooled, militarized version of the SVME-708 ISIO Controller for use in airborne, land-mobile, and naval military applications with severe environmental conditions.

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The following features are provided on the DMV-707/SVME-708 ISIO Controller:

- \* 10 MHz 68000 Central Processing Unit (CPU)
- \* 82C37 Direct Memory Access Controller (DMAC)
- \* 128K bytes, zero (0) wait state Static Random Access Memory (SRAM)
- \* 768K bytes, two (2) wait state on-board programmable Erasable Programmable Read Only Memory (EPROM) in two 32-pin JEDEC pin-out devices
- \* four full-duplex serial I/O channels via two 85C30 Serial Communication Controllers (SCC)
- \* one serial RS-232-C communications channel interface via the P2 connector
- \* three serial RS-422/RS-485 communications channel interfaces via the P2 connector
- \* SVME-708 ISIO Controller available in commercial or MIL-STD-883C grade versions
- \* location monitor
- \* Built-in Test (BIT)
- \* BI-mode

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