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BURR-BROWN—A WORLDWIDE LEADER IN MICROCIRCUITS AND MICROPROCESSOR-BASED SYSTEMS AND SUBSYSTEMS

Burr-Brown first introduced VMEbus products in 1983 and now manufactures a comprehensive line of specialized products for the industrial instrumentation, control, and automation markets. Utilizing Burr-Brown's high performance data conversion products (e.g. ADC803), Burr-Brown is able to offer products which set new performance standards in the VMEbus market. When these are operated with the digital signal processing boards, a wide range of applications can be addressed.

With over ten years experience in the design and manufacture of board-level products, you can rely on the market leaders for VMEbus data acquisition boards.

THE SYSTEMS APPROACH

A systems approach has been taken in the design of the bus interface. This ensures software compatibility between the boards as well as giving the system designer a wide range of VMEbus features.

- Configuration A24, D16, DTB slave
- Address block selectable within 16M bytes memory space
- Short addressing available if required (64 bytes)
- 150ns response to CPU interrogation
- 7-level interrupt priority selection
- Full interrupt vector selection—8 lines (256 options)
- Double Eurocard format, 160mm × 233mm

SUPPORT DOCUMENTATION

Each VMEbus board is fully supported with a comprehensive operating manual. In addition to detailed set-up and operating instructions, the manual includes schematics and assembly language software written for the 68000 processor.

TOP-QUALITY VMEbus PRODUCTS FROM BURR-BROWN

In addition to the full Q.C. inspection of incoming components, the boards are subjected to a comprehensive temperature-cycled burn-in (8 cycles between −20°C and +50°C).

Exhaustive tests before and after burn-in ensure that any problems are identified before the product leaves the factory.

VMEbus ANALOG I/O BOARDS

	Input			Output			
Product	Resolution (Bits)	Number of Channels	Sampling Rate (kHz)	Resolution (Bits)	Number of Channels	Sampling Rate (kHz)	Description
MPV901	12	32SE/16DIF	11	—	—	—	General purpose, analog input.
MPV901A	12	32SE/16DIF	11	12	2	200	As MPV901, with analog output.
MPV901P	12	32SE/16DIF	11	12	2	200	As MPV901A, with software-programmable gain.
MPV904	—	—	—	12	16	285Hz	Low-cost analog output (voltage output).
MPV905	—	—	—	12	8	285Hz	Current output.
MPV906	12	64SE/32DIF	33	—	—	—	High-density analog input, optically isolated, optional digital I/O.
ACX906	—	—	—	—	—	—	Digital I/O module for MPV906/907, 32 I/O lines.
MPV907	12	32SE/16DIF	33	—	—	—	Low-cost analog input, optional digital I/O.
MPV911	16	8SE	45	—	—	—	High resolution analog input, with on-board data buffer.
MPV950S	12	16SE	330	—	—	—	High speed analog input.
MPV950D	12	8SE + 8DIF	330	—	—	—	As MPV950S, with 8 user-configurable input amplifiers.
MPV952	12	8SE	330	—	—	—	High speed analog input, with on-board data buffer.
MPV954	—	—	—	12	8	858	High speed analog output, with on-board data buffer.
MPV940	—	—	—	—	—	—	Intelligent I/O controller—6800 CPU, optically isolated I/O expansion interface.
ACX945A	12	16SE/8DIF	33	—	—	—	Analog input module for MPV940.
ACX945B	12	16SE/8DIF	33	12	4	500	As ACX945A, with 12-bit analog output.
ACX945C	12	16SE/8DIF	33	16	4	83	As ACX945A, with 16-bit analog output.
ACX946	—	—	—	—	—	—	Digital I/O module for MPV940, 32 programmable I/O lines.

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