



MVME4905/06 Digital-Synchro/Resolver Converter Module

Specifications

- **Channels:** 2 for MVME4905, 4 for MVME4906
- **Resolution:** 16-bit
- **Accuracy:** ± 4 arc minutes
- **Output Type:** 3 wire for Synchro or 4-wire for resolvers
- **Internal transformers (400 Hz options)**
- **5 VA, 2 VA (transformer output)**
- **Onboard S/D or R/D converter for built in test.**

PHOTO COMING SOON

VME Specifications

- Conforms with VME Specifications Revision C.1 IEEE Std. 1014-1987
- **Board size:** 6U

The MVME4905 is designed to be a drop-in replacement for the VMIVME-4905 from GE-IP. The MVME4906 is designed to be a drop-in replacement for two VMIVME-4905's on the same board. The unit offers the following improvements over the GE-IP VMIVME-4905

Power Requirements

Low Power	High Power
5V @ 800mA	5V @800mA
$\pm 12V$ @ 50mA	$\pm 12V$ @ 2.5A

- The MVME4906 can be configured as two VMIVME-4905's with a different base address jumper and I/O connector for each set of two channels.

- Onboard built in test emulates the VMIVME-4905 with a VMIVME-4911. S/D section has its own base address jumper.

Environmental

- **Operating Temperature:** -20 to 85 °C
- **Storage Temperature:** -40 to 125 °
- **Shock:** 25g, 11ms on all axis
- **Humidity:** 95% Rel. Humidity, non-condensing

- Optical Isolation
- Price is 30% less than VMIVME-4905.
- No external 15V supply is required.
- Conduction cooled version available.

As with all Merlin Embedded drop-in replacement products, the MVME4905 will function with the customer's existing software and cabling that used for the original product. No changes are required.

Significant cost savings can be obtained by customer's who use multiple VMIVME-4905's with the SR05 backplane and VMIVME-4911 for diagnostics. The MVME4906 is a dual VMIVME-4905 with a built in VMIVME-4911 channel for diagnostics.

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