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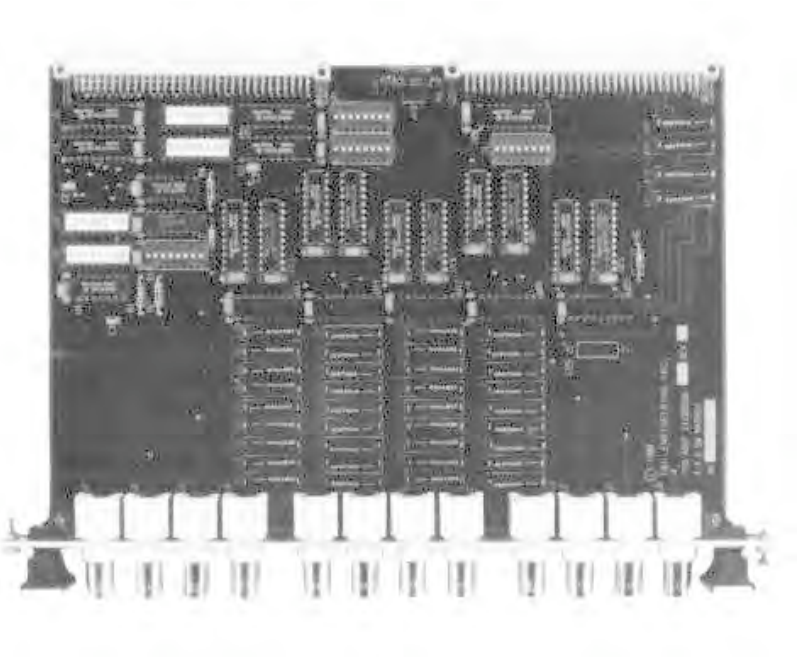

HF4x8 Switching Module

The HF4x8 is a VMEbus compatible 100 Mhz switching matrix with comprehensive Built-in-Test Equipment (BITE) capabilities. Modules may be joined in tree fashion via the top edge BNC connectors to create 8x8, 8x16, 4x16, or 4x32 configurations (4 signal highways maximum), maintaining the 100 Mhz bandwidth. Modules may be connected via the P2 connector to create 8x16, 8x24, 8x32, 8x40, etc. configurations (4 signal highways maximum at P2 with stub disconnect relays), with some decrease in bandwidth. See Application Notes for details.

Specifications:

Characteristic Impedance: 50 Ω

Bandwidth: 100 Mhz

Isolation: >40 db @ 100 Mhz
>60 db @ 10 Mhz

Insertion Loss: <1.0 db @ 100 Mhz
<0.2 db @ 10 Mhz

Signal Connections: BNC

Power: +5V @ 1.2 A typical
+12V @ 0.12 A typical

Relay Live Expectancy:

Rated Load Operation	$>3x10^6$
Dry Circuit Operations	$>1x10^8$

BITE:
Read-back capability of all relay driver states provides system check of entire board except for relay contacts.

Configuration:
True 4x8 matrix with 4 highways also switched to P2.

Relay Contacts:

Max. Current, Resistive Load	0.25A
Max. Voltage	
DC Resistive Load	50 V
AC Resistive Load	120 V
Max. VA, Resistive Load	4 VA
Typical Operating Time (including bounce)	1 ms
Max. Contact Resistance	
Initial	0.2 Ω
End of Life	1.0 Ω

Ordering Information

Part Number: 11026000-0001

Description: HF 4x8 Switching Mod.

Application Notes: 11026005-0001

VMEbus Compliance

Complies with ANSI/IEEE Std 1014-1987

A32/A24/A16:D16 DTB Slave

No SYSFAIL

No Interrupts

IACKIN tied to IACKOUT

BRX tied to BGX

Form Factor: Size B

Applications

- Switching matrix for ATE
- Signal switching for data acquisition
- Signal switching for simulation
- Systems signal control in a lab or development environment