# FASTBUS

# F152

## Ancillary Logic Card

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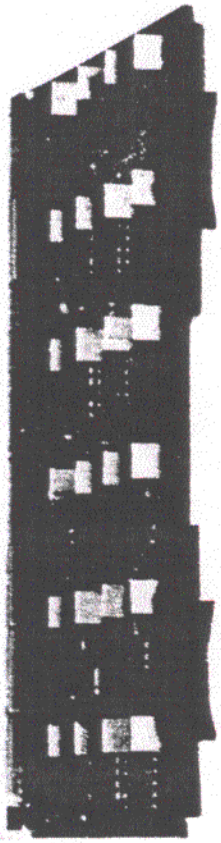
(Rev. Oct. 87)



## FEATURES

- Arbitration timing controller
- Segment terminators (in sockets)
- Logic level generator for GA lines
- Static grounding strip top/bottom of circuit board
- Fused and transient protected
- Selectable reserved broadcast response
- Plugs into the rear of a FASTBUS standard segment
- Plugs into Model F211 passive extender

## GENERAL DESCRIPTION

The family of FASTBUS Ancillary Logic boards consists of 56 ohm Segment Terminators (Model F150, TERM), Geographic Address Generator logic with terminators (Model F151, GAC), and Arbitration Timing Controller logic with terminators (Model F152, ATC). The terminating resistors are mounted in sockets and may be removed or the values changed to optimize bus characteristics. Each board contains a Segment 130-pin guided connector.

The FASTBUS Segment must be terminated at each end of a signal line. Depending upon the system configuration, the various ancillary logic boards provide the required characteristic impedance termination.

The Model F150 Segment Terminator provides proper bus terminations including logical levels for the GA lines. It is intended for use in test systems where automatic protocol responses are unwanted or generated elsewhere. The TERM may also be used on Model F211 Passive Extender.

The Model F151 GAC generator is designed to recognize a geographic address cycle taking place on the Segment and establish the EG signal. The board contains slave logic which allows remote set-up of the Segment base address. It is intended for use in Segment Position 25.

The Model F152 ATC generator is designed to control an arbitration for Segment mastership. In addition, this board contains logic to generate the System Handshake response to a Broadcast Operation and to control the state of the BUS HALTED signal line. It is intended for use in Segment Position 0.

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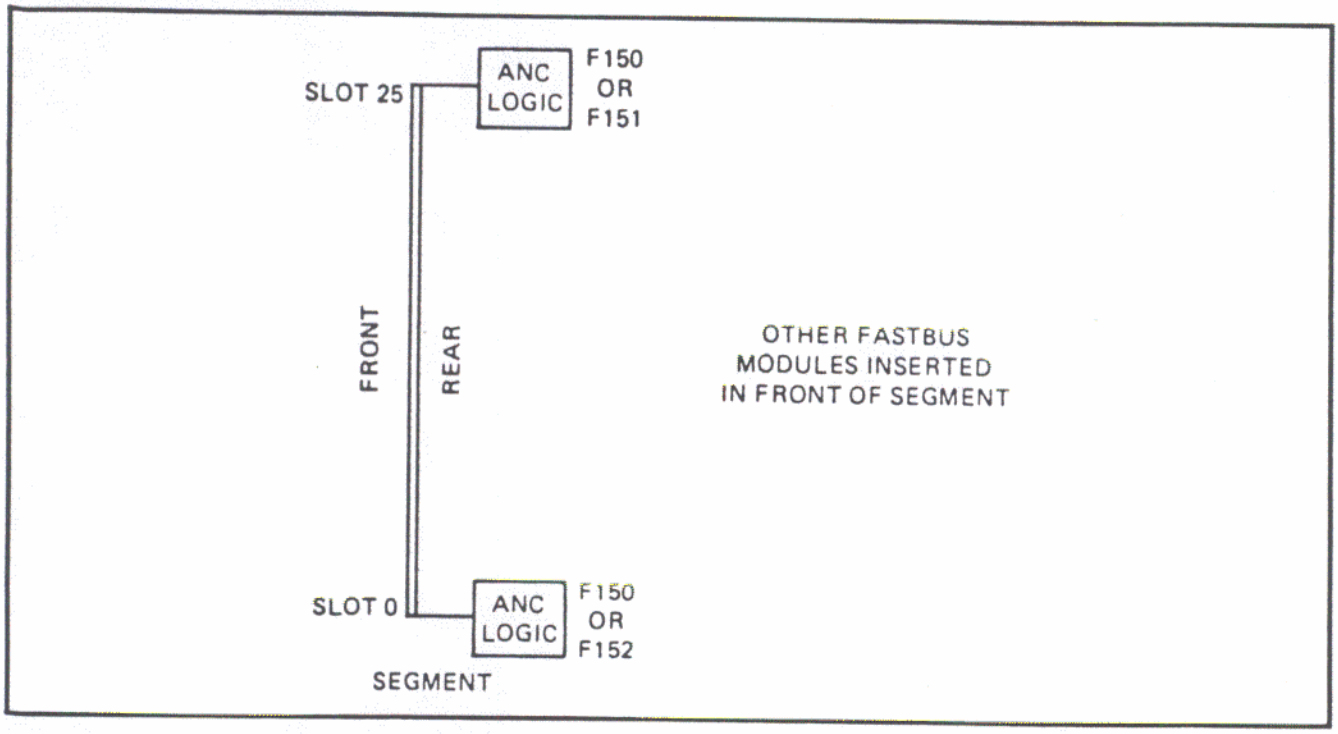
## TYPICAL APPLICATION




## POWER REQUIREMENTS

−5.2V — .60A
−2.0V — 1.25A

## ORDERING INFORMATION

**Weight:** .18 kg (6.5 oz.)

**Model F152-A11** — Ancillary Logic Card Arbitration Timing controller with Terminators

**Accessories** —
Model F020-A01 - Module Extraction/Insertion Tool
Model F150-A01 - Ancillary Logic Card - Terminators Only
Model F151-A11 - Ancillary Logic Card - Geographic Address Controller with Terminators
Model F210-A01 - Active Extender
Model F211-A01 - Passive Extender
Model F290-A01 - Display Module
Model F911-A01 - Unibus Processor Interface