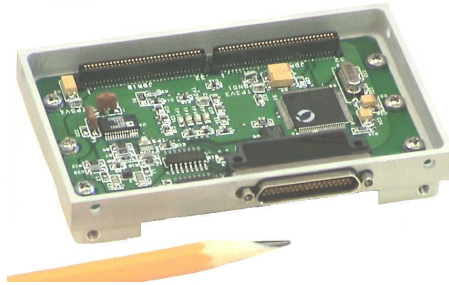




4027 AVEM1 Video Encoder Module



FEATURES

- Six user-selectable composite NTSC/PAL video inputs
- User-selectable 72 Kbps to 17.5 Mbps bit rate
- MPEG II hardware encoding
- Selectable compression mode
- Adjustable video attributes: Brightness, contrast, etc.
- Transmission of all pertinent parameters from the video encoder to the decoder
- Dynamic adaptation to variations in the video source frequency

OVERVIEW

The AVEM1 Video Encoder Module encodes an NTSC/PAL video signal utilizing the MPEG II digital video standard. The AVEM1 module digitizes and compresses the video data to fit within a user-selectable bit rate. The compressed MPEGII data is then routed to the APACK1 module via the AL4000 Multiplexer / Demultiplexer backplane where it is combined with source packets from other modules in the AL4000 stack.

The 4027 AVEM1 is used in conjunction with the Apogee Labs' 2081 VDM1 module.

SPECIFICATIONS

GENERAL

- Single height module, 0.40" x 2.5" x 4.0"
(4 Cubic Inches)
- Weight: 2.5 oz

NUMBER OF INPUT CHANNELS

- 6 (User selectable via System Controller)

VIDEO INPUT

- Composite NTSC/PAL Video, 75 Ohm, 1 Vp-p

COMPLEMENTARY HARDWARE

- 2081 VDM1

PICTURE CONTROL

- Contrast, Brightness, Tint
- Frame Rate
- I-Frame Modes

CHANNEL ID

- User-Programmable 11-bit Value

INTERFACE CONNECTOR

- 37-pin Micro-Miniature D-Type