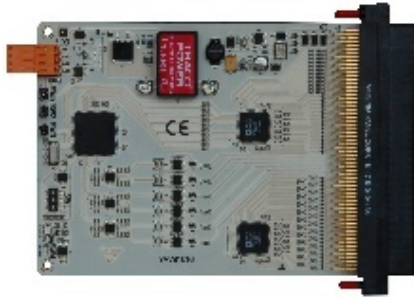


YAV91616

Audio/Video 16x16 Multiplexer



Features

- > 12 audio + 9 video Inputs to 16 audio + 16 video Outputs
- > 6 Analog Outputs as reference voltages
- > CAN bus controlled
- > Reliable VPC 90 series I/O connector

Applications

- > Audio analog/digital routers
- > Video routers (NTSC, PAL, S-VIDEO, SECAM)
- > Multimedia systems
- > Video conference
- > CCTV surveillance
- > Test systems, audio/video, other electronic equipment

Overview

The board YAV91616 is a software controlled multifunction device that features two switching matrix, one dedicated to audio, the other one to video, and an analog signals generation system with configurable voltage level. This device can send the signal that arrives to any of his available inputs (12 for audio and 9 for video) to any of his outputs (16 for audio and 16 for video). In addition, any of his analog aoutputs can supply independently, reference voltages over low or high impedance charged lines.

The module features 3 contacts for self-ident function (hardware address). In the case these contacts are not used, the board will get the logic address set into the DIP switch.

This board can be either CAN bus or USB controlled, and is delivered with its software virtual panel, Lab View compatible, for an easy software integration of the board into the test system.

Specifications

> Technical data

Audio inputs	12 (0..5Vpp)
Audio outputs	16
Video inputs	9 (0..5Vpp)
Video outputs	16
Analog outputs	6
Analog output max current	100 mA
Analog output level when high impedance load charged	0..10 Vdc
Analog output level when low impedance load charged	0..5Vdc
Bandwidth (-3dB)	60 MHz
Crosstalk @ 20KHz	-83 dB
THD in audio outputs @ 20KHz (600R) 20pp	0,002%

> Power supply

Operative voltage range	20..29VDC
Max. 24V current requirement	390mA

> Physical

I/O connector	VPC TriPaddle, 96 Position, 510104135
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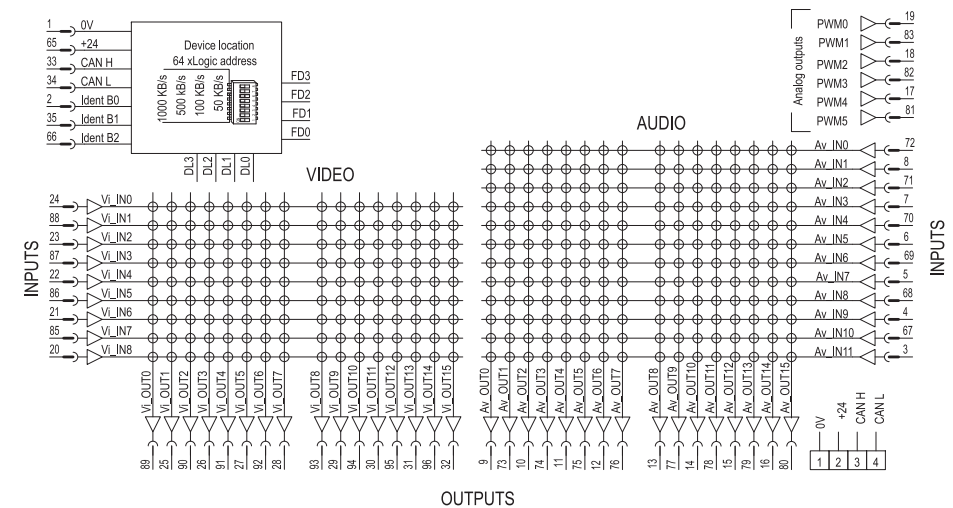
Maximum current per VPC contact	5A
PCB tracks rated current	2A
Dimensions mm (HxL)	142x187

> Environment

Operating temperature	0 to 45 °C
Storage temperature	-20 to 70 °C
Relative humidity	10 to 90% relative humidity, noncondensing



> YAV91616 Software Virtual Panel



> YAV91616 Pin Assignment