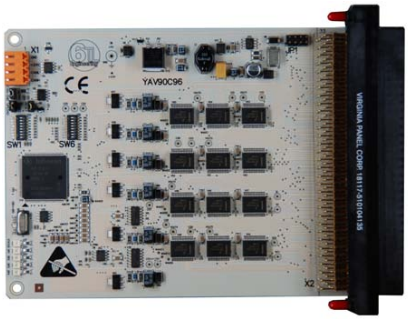
YAV90096

96 channel AI, sink/source DIO



Features

- Up to 96 current sink or current source input/outputs
- 5 x 10 Bits Analog to Digital converter able to reed direct voltage on each I/O
- Software programmable voltage test
- Selectable sink/source current indepent for each I/O (2 or 16 mA)
- The module is available either as ITA or RCV
  - CAN bus controlled
  - Reliable VPC 90 series I/O connector

Applications

- 10 bit, 96 channel analog scanner
- Signals logic comparision
- In cirucit test (R, C, diodes, transistors,..)
- Wire harness test
- Bus test (backplanes)
- Automatic testing of YAV boards family
- Digital I/O
- Power MOSFET control

Specifications

Analog, digital channels

	Nº of channels	Voltage Range	Current	Resolution/range ADC
Sink	40	5..24 V	2..16mA	10 bit / 4Vdc
Source	56			

Power supply

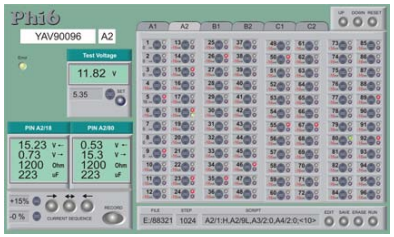
Operative voltage range	20..29VDC
Max. 24V current requirement	115mA

Physical

I/O connector	VPC TriPaddle, 96 Position, 510104135
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



YAV90096 Software Virtual Panel

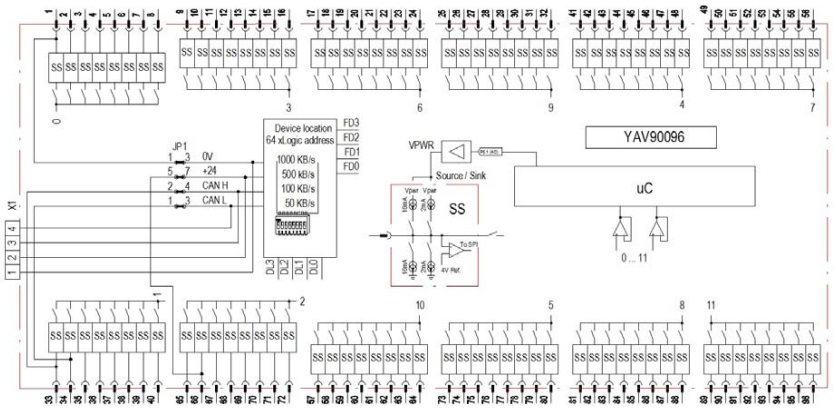
Overview

YAV90096 boards can be used to configure powerful test systems based on the measurement of the impedance between nodes. 40 of the 96 pins can sink or source from 3 to 16mA. 56 of the pins, although featuring current source, they can not opperate as load. Test voltage can be set between 5 and 24Vdc and each pin can be derived to a converter and aqcuire the voltage (10 bits resolution)

In-circuit test or wire harness test, even with passive components on it, can be performed by means of this powerful YAV module. A valued application with this board is to analyze the status of the relays contacts in a test system.

This module, as it is common in all YAV family modules, features the VPC I/O connector, that guarantees more than 20000 conections without failures.

The control of the module is through CAN bus.



YAV90096 Pin Assignment