FLEX 20

The Flex 20 is a floor mounted Functional test system where the application requires the height of the ATE to be kept to a minimum. The system has 14U of space in which a variety of equipment can be mounted. It works as a generic functional test platform or for use as a test system for single test applications.

Interface

Generally fitted with a VPC S6 Interface that allows up to 1440 test connections, the Interface provides long term reliability coupled with excellent Signal Integrity

Fixturing options could include:

- Plain Platten Fixture
- CAM or Pneumatic Operated Bed of Nails
- A Test Receiver option with low cost cassettes

Controller

Given the space available any of the FLEX controller options are available on the FLEX 20.

- PXI Slot 0 Controller
- External PC
- Rack mount Industrial PC

Instruments

Our systems are designed for PCI, PXI, LXI, GPIB or USB based Instruments. Any combination of these Instruments is possible, space being the only limiting factor.

Options that work well with the FLEX 20 are;

- A rack mount PXI chassis (5-18 Slot options)
- A FLEX PMU (Power Management unit) will usually be fitted for power control and cooling of the system.
- JTAG Boundary scan controller
- VPC DIOS Board

YAV modules complement the FLEX range perfectly offering Instruments and Relay switching on pcb's that screw directly into the VPC Interface. The boards are controlled with a two wire CAN bus for simplicity of installation and ease of service exchange. A wide range of YAV switching modules ensure suitability for any application and the best possible signal integrity with none of the cost or reliability problems normally associated with cabled systems.

Finally, add to the system a WriteNow! In system programmer that provides ganged programming of up to 8 parallel devices for virtually any protocol.

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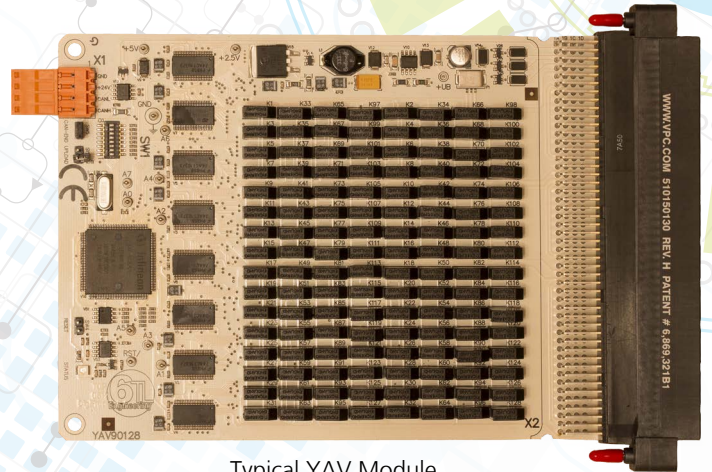
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A.T.E. SOLUTIONS

Software

We have developed the software for the FLEX range of ATE's over many years and view this as the most important part of the FLEX concept. Our aim has always been to create a system that meets the following criteria:

- Open Architecture

- Easy to use from day one

- High Level program commands to make program generation as quick as possible

- A software environment that can keep on growing.

Loaded FLEX software can include

- NI Teststand - Our main operating sequencer that can easily Interface to any other software code from Labview to C++, DLL, Active X etc.,

- FLEX Stand - Easily create amazing operator interfaces

- FLEX Drivers - Simple to use drivers designed to make Programming easy

- FLEX Testview - A web based package that can provide an Overview and Alarms for logged results.

- FLEX ATEasy - A text based programming language for Legacy Program conversions.
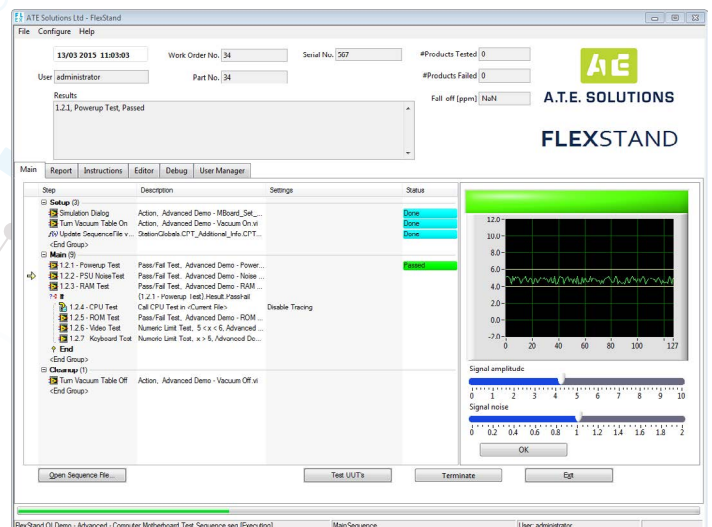

Typical YAV Module

18 slot PXI Chassis

System specification

Size   : W 600 mm, D 800 mm, H 850 mm
Supply : Single Phase 230V,13A,50Hz Supply
Weight : 45 Kgs (no instruments)

Write Now! - programming module

Flexstand - Operator Interface

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