

WN 4-sites programmer_SPI Serial Memories programming application on Keysight 3070 ICT Platform_Acculogic

Programming a 20-up panel SPI devices, using a 4-port Algocraft programmer and Acculogic Relay Expander Module (REM-08) on a Keysight 3070 ICT platform.

Problem analysis / Objectives

Programming 20 devices with only a 4-port programmer to keep the project cost within the customer's budget.

Project development / Solution

Acculogic REM-08 expander module is a 16-channel 1-2 expander, which can be controlled by the ICT tester. Five expander modules were used to switch between 20 SPI devices. Since the SPI serial flashes use four lines for communication, each expander module was responsible to connect four devices to Algocraft 4-port programmer.

Conclusions / Comments from End Customer

Customer was very satisfied with this solution, since other suggestions from our competitions were much over the budget. Each device takes about 16sec to program, which makes overall programming time under one and a half minute. Time is

very critical in automotive high volume production, therefore not only the project was within the budget, but also programming time was minimized.

About (Distributor Company & End Customer)

Acculogic designs, manufactures, and markets a broad range of systems and instruments for testing electronic devices, circuit boards and systems. We offer short turn-around time, high fault-coverage, and fast cycle-time solutions. Our services and products are used to validate designs, ensure integrity of prototypes, improve production processes and yields, and deliver defect-free final products. We are in the business of "Test Engineering" and we help our customers to reduce risks and increase profits.

Acculogic is an exclusive distributor of Algocraft in Canada.

Web: acculogic.com
e-mail: sales@acculogic.com

