

64 channel Board Fault Locator Module

Digital IC test capability

Number of I/O channels:	64-256
Number of guard outputs:	4 or 8
Live comparison:	64 x 2, 128 x 2 with additional modules
Drive output voltage:	TTL/CMOS compatible
Drive output current:	Device dependent Typical H-L 80mA @ 0.6V Typical L-H 200mA @ 2V Max. 400mA
Drive slew rate:	>100V/ μ s
Receive input:	+/-10V
Input impedance:	10k
Termination:	Programmable for tri-state/open collector
Drive states:	Low, high, tri-state
Over voltage protection:	<0.5V, >5.5V
Test time:	Dependent on device
Circuit modes:	In-circuit. Out-of-circuit (with adapter)

Power supply for board under test

Automatic power supply:	1 x 5V @ 5A fixed (2 x 5V @ 5A fixed for 128 channels)
Over voltage protection:	7V
Short circuit current:	7A

Test modes

Single:	Single test
Loop:	Unconditional, loop while good, loop while bad
Auto:	Find tightest valid thresholds

Test thresholds

Resolution:	100mV
Low levels:	TTL 0.1V to 1.1V CMOS 0.1V to 1.5V
Switching levels:	TTL 1.0V to 2.3V CMOS 1.0V to 3.0V
High levels:	TTL 1.9V to 4.9V CMOS 1.9V to 4.9V
Swept low levels:	TTL 0.1V to 1.1V CMOS 0.1V to 1.5V
Swept switching levels:	TTL 1.2V CMOS 2.5V
Swept high levels:	TTL 1.9V to 4.9V CMOS 1.9V to 4.9V

Test types

Truth table (functional):	Library based functional test
Connections (MDA):	Short circuit detection Floating input detection Open circuit detection Linked pin detection
Voltage:	Resolution 10mV Range +/-10V Logic state detection
VI:	Number of channels 64 - 256 Sweep ranges -10V to +10V (programmable) Maximum test current 1mA Multi-plot with single waveform zoom
Thermal:	Indication of pin temperature

Test libraries

Library classes:	TTL 54/74 logic, CMOS, Memory, Interface, LSI, Microprocessor, PAL/EPLD, Linear, Package, Special and user defined
Package types:	DIL, SOIC, PLCC, QFP

Accessories

Standard	Automatic out-of-circuit adapter 1 x 64 way test cable 1 x 64 way split test cable 1 x V-I probe assembly 1 x BDO cable 1 x Short locator cable 1 x Ground clip 1 x PSU lead set
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Options

Internal fitting	PCI interface
External fitting	MultiLink case (cost option) with serial or parallel connection External case (cost option) which can hold up to 4 SYSTEM 8 modules.

The ABI development team strive continually to improve their products for the benefit of the customer. The specification of current products may therefore vary from that described in this brochure.



Making Light Work

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