



SYCARD
TECHNOLOGY

PRODUCT BRIEF

PCCTest 250/350

PCMCIA Socket Tester

OVERVIEW

The PCCTest PCMCIA Socket Tester is designed to provide the manufacturer of PCMCIA based hosts a quick and accurate way of testing and verifying the operation of a 16-Bit PC Card socket.

The PCCTest is in the form factor of a type II PC Card. It is designed to perform both an automated pass/fail test and component level debug. An optional RS-232 serial port (Model 350 only) adds debug capabilities for engineering and component level debug.

The on-board microcontroller provides the intelligence for the PCCTest unit. The microcontroller is responsible for verifying I/O signals and also provides test stimulus to the PC Card socket. The microcontroller can determine the type of error and can help narrow down the error to a specific pin or group of pins.

The PCCTest contains an on-board A/D converter to provide accurate measurements of Vcc and Vpp voltages. A digital audio test provides a standard 1 KHz tone to test the audio function when the card is configured in I/O mode.

The software provided with the PCCTest unit provides a simple Pass/Fail test of the PC Card socket. Optional command line switches allow for selection of the socket to be tested and variations in the hardware configuration of the socket.

Test time is approximately 15 seconds per socket. Two PCCTest units may be inserted for a two socket system.



KEY FEATURES

- Standard Type II PC Card form factor
- On-board microcontroller
- Vcc and Vpp measurements
- Works with the following host socket controllers
 - Intel 82365SL, 82092AA
 - Cirrus Logic CL/PD6710/20/22/29/30
 - Vadem VG-365/465/468
 - Ricoh RF5C266/366/296/396
 - Omega Micro 82C722/82C094
- Verifies the following interface signals
 - Address lines (26)
 - Data lines (16)
 - Card Selects (2)
 - Card Detects(2)
 - R/W Strobes L(4)
 - Vpp and Vcc Levels
 - Battery Voltage Detects
 - Reset, Ready/Busy, Write Protect and Wait Signal
- Generates digital audio test signal
- Optional RS-232 debug port for manual debug
- Software Customization available to support special OEM requirements
- Uses quality AMP connectors for long service life

ACCESSORIES SUPPLIED

- PCCTest operations manual
- PCCTest software
- Model 350 Accessories**
 - PCCTest serial cable (Model 350 only)
 - PCCTest 250/350 Technical Reference Manual

AVAILABILITY

Now

SPECIFICATIONS

Physical

Width 54 mm
Length 84.6 mm
Thickness 5.0 mm

Electrical

+5 V ± 10% @ 100 mA max

Environmental

Temp 0° to 50° C
Humidity 8% to 80% non-condensing

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