



SYCARD
TECHNOLOGY

CFtest 220

CompactFlash™ Tester

OVERVIEW

The CFtest 220 socket tester provides a quick and accurate way to verify the functionality of a CompactFlash host socket. Housed in a standard 3.3mm enclosure, the CFtest unit is fully self-contained. It can verify all data, address and control signals in both PC Card ATA mode and IDE mode. The CFtest 220 supports operation at 3.3 or 5.0V. The on-board A/D converter can measure the Vcc voltage with 8 bit resolution. CFtest also includes a standard CIS to identify itself as a test card. This ID can be used by the host firmware to identify that the test card has been plugged in and to initiate a test sequence.

The CFtest includes software to support a wide variety of PCMCIA host controller chips. This software runs under DOS and will test the host socket in PC card ATA mode. For non-DOS platforms Sycard Technology supplies a CFtest development kit. This kit includes sample source code and a technical reference manual to create royalty free code.

The CFtest card eliminates the need for complex and time consuming data transfers to standard CF cards to test the interface. Test time can be reduced from several minutes to several seconds.



KEY FEATURES

- Standard CF form factor
- Fully self-contained
- Accurate Vcc measurements
- 3.3V/5.0V operation
- Supports both PC Card ATA and IDE modes
- Verifies the following interface signals:
 - Address lines (11)
 - Data lines (16)
 - Card Selects (2)
 - R/W strobes (4)
 - Battery Voltage Detects (2)
 - Master/Slave Select (-CSEL)
 - -REG Signal
- -IO16 I/O is 16 bits
- -INPACK Input Acknowledge
- -IREQ Interrupt Request
- -WAIT
- Reset, Ready/Busy, Write Protect and Wait
- High quality connectors for long service life

ACCESSORIES SUPPLIED

- CFtest operations manual
- CFtest DOS software
- CFtest Development Kit includes:**
 - CFtest 220 test card
 - CFtest technical reference manual
 - CFtest software and sample source code

MECHANICAL SPECIFICATIONS

Physical

Width 42.8 mm
Length 36.4 mm
Thickness 3.3 mm

Electrical

+5V+ 10% @ 100mA max
+3.3V+ 0.3V @100mA max

Environmental

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

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