



SYCARD
TECHNOLOGY

USBdebug 700

Universal Serial Bus Monitor

OVERVIEW

Sycard Technology's USBdebug 700 is a debug and monitoring tool for the Universal Serial Bus. The fully self contained unit is inserted between the USB host and the peripheral. To facilitate debug, all signal and power pins of the USB interface are accessible. Clearly marked test points allow easy oscilloscope or logic analyzer hook up. Jumper blocks allow any signal or power pin to be isolated. A jumper block on Vcc allows the user to insert a series Amp meter to accurately measure peripheral current.

Six LED indicators provide a quick visual status of the USB interface. A power LED shows that USB power is active. In addition, an onboard comparator lights a "Power OK" LED when the voltage exceeds 4.4V. Two over-current LEDs indicate if the peripheral is drawing more than 100mA or 500mA.

Two separate indicators show the current bus status. An activity LED is lit when there are any active frames on the bus. An integrated pulse stretcher lights the LED even when there is little activity on the bus. A second LED, labeled RESET, lights when there is a USB reset condition on the bus.

When developing or testing a USB peripheral, a user will often insert and remove the USB cable to verify the plug and play operation of the hardware or software. The USBdebug simplifies this procedure by providing a convenient push button switch that interrupts all signal and power connections between the host and peripheral. A simple press of the switch causes a removal/insertion event.

The USBdebug 700 is perfect for an engineer designing USB peripherals or the technician trying to determine why a USB peripheral is not working. The USBdebug 700 is constructed of high quality components and is housed in a high-impact ABS case for years of reliable service.



KEY FEATURES

- Fully self contained Probe points allow access to signal and power
- User can break USB Vcc signal to measure peripheral current
- Jumper blocks allow user to interrupt any signal
- Pushbutton switch simulates cable insertion and removal
- High impact ABS enclosure
- Six LEDs show USB Bus status
 - 1 Power-on LED
 - 2 Power good LED
 - 3 100mA over current LED
 - 4 500mA over current LED
 - 5 Bus activity LED
 - 6 USB Bus reset LED

ACCESSORIES SUPPLIED

- USB A-B Cable
- USBdebug User's Manual

MECHANICAL SPECIFICATIONS

Width	4.0"	Thickness	1.0"
Length	2.4"	Weight	3.0oz

AVAILABILITY
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