



Adafruit USB Isolator – 100mA Isolated Low/Full Speed USB

PRODUCT ID: 2107



Description

Have some USB logic analyzer, multimeter or oscilloscope and bumping up against the frustration of a shared earth ground? The Offspring (known for being electrical engineers) wisely sang "Ya gotta keep'em isolated!" Power and signal isolation improves common-mode voltage, enhances noise rejection, and permits two circuits to operate at different voltage levels.

This handy little low-cost USB isolator is exactly what you need to provide protection against harmful noise, ground loops, surges, and spikes. Works with any 1.5Mbps (low speed) or 12Mbps (full speed) USB device. Not for high speed USB devices, often used for video cameras (check your product to make sure its low/full compatible) Based on Analog Device's USB isolators

It is particularly useful when paired with [USB testing instruments](#), you need to separate or isolate your earth ground (thru the USB connector to the computer to the power plug) from your circuit for high voltage, accident-protection, or floating ground needs. Best of all, this USB isolator even has its own isolated 5V power supply that can supply 100mA, making it perfect for your [BitScope Micro USB](#)! Protect your computer or laptop, use one of these in between your ports.

Technical Details

52mm x 30mm x 10mm / 2" x 1.2" x 0.4"

Weight: 8.6g

[EagleCAD PCB files on GitHub](#)

[Fritzing object in Adafruit Fritzing Library](#)



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