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Arduino USB Host Shield

Code: A000004

The Arduino USB Host Shield allows you to connect an USB device to your Arduino board. The Arduino USB Host Shield is based on the MAX3421E (datasheet), which is an USB peripheral/host controller contains the digital logic and analog circuitry necessary to implement a full-speed USB peripheral or a full-/low-speed host compliant to USB specification rev 2.0.The shield is TinkerKit compatible, which means you can quickly create projects by plugging TinkerKit modules to the board. The following device classes are supported by the shield: HID devices, such as keyboards, mice, joysticks, etc.

Game controllers: Sony PS3, Nintendo Wii, Xbox360.

USB to serial converters: FTDI, PL-2303, ACM, as well as certain cell phones and GPS receivers.

ADK-capable Android phones and tables.

Digital cameras: Canon EOS, Powershot, Nikon DSLRs and P&S, as well as generic PTP.

Mass storage devices, such as USB sticks, memory card readers, external hard drives.

Bluetooth dongles.

For information on using the shield with the Android OS, see Google's ADK documentation.

Technical specifications

Operating Voltage	5v
USB Controller	MAX3421E
Max Current from USB port	400mA when Arduino is powered from USB port; 500mA when Arduino is powered from DC plug.

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