



FTDITM
Chip

**Future Technology
Devices International Ltd.**



VINCULUM

BINDING USB TECHNOLOGIES

Vinculum VNC1L-1A

Embedded USB Host Controller I.C.

The Vinculum VNC1L-1A is the first of FTDI's Vinculum family of Embedded USB host controller integrated circuit devices. Not only is it able to handle the USB Host Interface, and data transfer functions but owing to the inbuilt MCU and embedded Flash memory, Vinculum can encapsulate the USB device classes as well. When interfacing to mass storage devices such as USB Flash drives, Vinculum also transparently handles the FAT File structure communicating via UART, SPI or parallel FIFO interfaces via a simple to implement command set. Vinculum provides a new cost effective solution for providing USB Host capability into products that previously did not have the hardware resources available. The VNC1L-1A is available in Pb-free (RoHS compliant) compact 48-Lead LQFP package.

Application Areas....

- Test and Measurement Equipment
- Data Logging
- USB Flash Key Interfacing
- In Car Audio
- MP3 Players
- Games Consoles
- Lighting Sequencers
- Intelligent Domestic Appliances
- Mobile Phone Connectivity
- Firmware Upgrade
- Digital Tachometers
- Stock Control Cordless Scanners
- Firmware Upgrade Subsystems
- Vending Machines
- LCD TV MP3 Players
- Home Audio Systems
- Home Automation
- Robotics
- Data Copy Devices
- Gaming Machines
- Set Top Box Interface
- Meter Reading devices
- GPS with Flash Drive
- Digital Photo Frames
- Music on Hold
- Digital Still Cameras
- *And many more ...*

<http://www.vinculum.com>