



MSC Cypress Info Letter 19/05

PSoC™ now with Full-Speed USB !

Cypress now launches the PSoC™ with a full-featured, full-speed USB port. The configurable analog and digital hardware blocks give the PSoC™ architecture a unique flexibility. The User Module gives the option of constructing a HID based device or a generic USB 2.0 Device. Additionally an USB Setup Wizard enables easy USB descriptor construction.

Ideally suited to realize sensor applications and send data via USB.

PSoC™ Features

- 6 analog PSoC™ Blocks
- 4 digital PSoC™ Blocks
- Up to 56 digital I/Os
- 16K Flash, 1K SRAM
- Industrial Temperature Range -40° to +85 °C
- Operating Voltage 3.0V – 5.25V
- 56–Pin MLF (8x8 mm) Package

Full-Speed USB (12 Mbps)

- Four Uni-Directional Endpoints
- One Bi-Directional Control Endpoint
- USB 2.0-Compliant
- Dedicated 256 Byte Buffer
- No External Crystal Required !

Flexible analog I/O – Up to 48 Analog Inputs via multiplexer.

CY8C24x94 General Information

General Sampling: Now
Full Production: July 2005
P/N: CY8C24794-24LFXI

Development Kits are available. Free PSoC™ Designer can be used for programming.

For more information mail to: cypress-support@msc-ge.com