eNewsletter

KAL - Large IP Cores:

CPU Cores:

- 8 bit - 8051
- 8 bit- HC68HC11
- 8 bit - PIC Processor
- 8 bit – Z80
- 16 bit – D6800
- DSP – MSP430
- 32 bit - ARM 9xx/11xx

Memory Controllers:

- SD/SDIO 2.0/3.0 Controller
- SDRAM Controller
- DDR/DDR2/DDR3 SDRAM Controller
- NAND Flash Controller
- Flash/EEPROM/SRAM Controller
- PCMCIA/CompactFlash Host Adapter
- PCMCIA/CompactFlash Slave Controller

Clock Synchronization:

- IEEE 1588 Slave
- IEEE 1588 Master
- IEEE 1588 Master/Salve
- IEEE 1588 PTP Stack
- IEEE 1588 L2/L3 Solution

Peripherals:

- Floating Point Unit
- I2C Master/Slave
- SPI Master/Slave

Today I would like to present you a wite paper form our vendor Eureka Technologies Inc.

White Paper: The Fundamentals of Using NAND Flash Devices in System Design

NAND Flash memory is the highest growth market segment in electronics industry today. It is widely used in many embedded applications ranging from consumer electronics to high performance SSD used in enterprise computing. Every engineer and engineering manager must grasp the fundamentals of using NAND Flash device in order to stay ahead of competition. This white paper presents in very concise format all the information one must know about NAND Flash in order to use this technology wisely and not left behind.

To find out the best technique of using NAND Flash devices in your next design, please read Eureka's white paper: The fundamentals of Using NAND Flash Devices in System Design.

For more information about NAND Flash control and other IP cores provided by Eureka Technology, please visit our web site at

http://www.eurekatech.com/products

To view Eureka Technology's full catalog of IP visit:

http://chipestimate.com/vendorlist.php?v=159

- **CAN bus**
- **LIN bus**
- **Programmable Peripheral Interface**
- **UART, UART with FIFO**
- **PWM**
- **Timer 8254**
- **Programmable Timer**
- **Interrupt Controller**
- **Ethernet Controller 10/100/1000 BaseT**
- **DMA Controller**
- **USB 1.0/2.0 Host/Salve**
- **On Chip Bus Analyzer**

PCI Bus Controllers and Peripherals:

- **PCI Express**
- **PCI-X Host Bridge Master/Target**
- **PCI Host Bridge Master/Target**
- **PCI-PCI Bridge**
- **PCI-ISA Bridge**
- **PCI Bus Arbiter**

Encryption:

- **AES 128bit/256bit**
- **ECC**

AHB/APB Peripherals:

- **AHB Bus Master/Slave**
- **APB Bus Master/Slave**
- **AHB/AXI DMA Controller**
- **AXI Bus Master/Slave**

MIPS CPU Interface:

- **MIPS - SysAD Bus Slave**
- **MIPS - SysAD Bus to PCI Host bridge**

Untill the next eNews,

Thanks yu for your attenstion.

KAL

- **MIPS - EC interface to SDRAM Controller**
- **MIPS - EC Interface to PCI Host Bridge**
- **MIPS - EC Interface Bus Slave**

PowerPC CPU Interface:

- **Power PC Bus Master**
- **PowerPC to PCI Host bridge**
- **PowerPC Bus Arbiter**
- **PowerPC Bus Slave**

ARC CPU Interface:

- **ARC - Peripheral Controller for ARCtangent**
- **ARC – ARCtangent to PCI host Bridge**

Analog IP Cores:

- **Analog IP cores (ADC, DAC, PLL,) are available – Please contact us.**
- **We are expert in custom analog IP**

Contact us for data sheet

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