Bolo len otázkou času, kedy STMicroelectronics príde s rodinou Cortex-M0. A zdá sa, že tento čas nadišiel. Poďme sa v krátkosti pozrieť, čo nová rodina STM32F0xx prináša.

Vlastnosti

- ARM Cortex-M0 core, running at up to 48MHz
- Voltage range: 2.0 V to 3.6 V
- Up to 64kB FLASH
- 4 Kbytes of SRAM with HW parity checking
- 5-channel DMA controller
- CRC calculation unit
- One 12-bit ADC with 1Msps; Separate analog supply from 2.4 up to 3.6 V
- One 12-bit DAC (STM32F051 and STM32F052)
- 2xUSART, 2xSPI (18Mbit/s), 2xI2C (fast mode+)
- Up to 9 timers
- USB 2.0 full-speed device controller with charging class support (STM32F052)
- HDMI Consumer Electronic Control (CEC)
- Calendar RTC with alarm and periodic wakeup from Stop/Standby
- VBAT supply for RTC and backup registers
- Up to 39 General Purpose I/O (GPIO) pins for STM32F050 and up to 55 GPIO pins for STM32F051
- Up to 18 capacitive sensing channels supporting touchkey, linear and rotary sensors
- SWD debug interface
- Power consumption: Run 250uA/MHz; Stop 5uA; RTC 2uA
- Packages from 32 to 64 pins (20 - 100 later)

Cena začína na $0.95/1k ks. Plná produkcia by mala byť v 2Q/2012. A pravdepodobne môžme očakávať ďalší Discovery kit.
USB uvedené pre STM32F052 (a samotný obvod) sú zatiaľ iba fámy kolujúce po internete.
Datasheet je zatiaľ nedostupný.

Stránky STM STM32F0xx rodina.
Plagát