STM32-course

Moscow Institute of Physics and Technology

ARM

- Acorn RISC Machine
- Advanced RISC Machine

arm

SAMSUNG

NXP

TEXAS INSTRUMENTS

Allwinner Technology

ST

ATMEL

МИЛАНДР
ГРУППА КОМПАНИЙ

BROADCOM

ARM-powered devices

ALMOST ALL LOW-POWERED

ARM

Cortex-M	Cortex-R	Cortex-A
Cost-sensitive solutions for microcontroller applications	Real-time systems	High performance processors for Operating Systems

STM32

Cortex-M (STM32)

Cortex-M0	Cortex-M0+	Cortex-M1	Cortex-M3	Cortex-M4	Cortex-M7

Cortex-M23	Cortex-M23

More power, more peripheral →
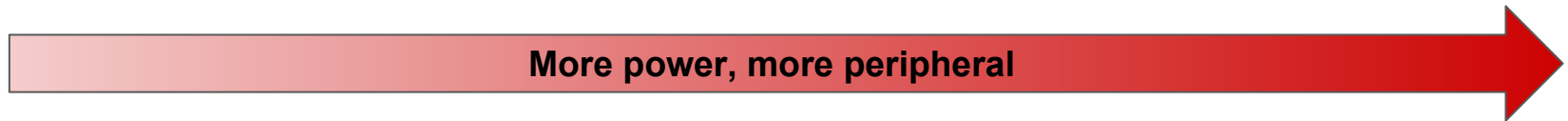
Cortex-M (STM32)

Low power
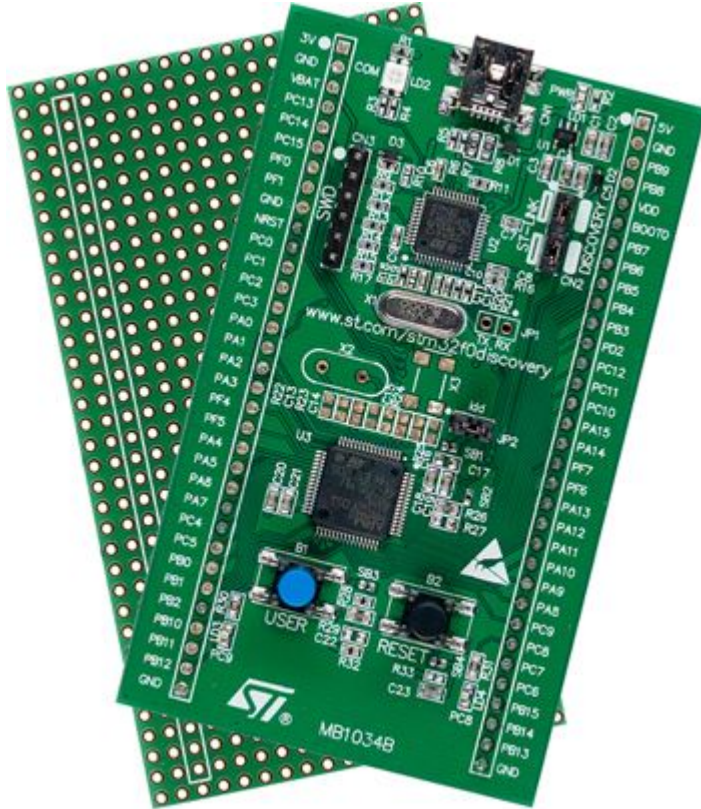STM32 L0
STM32 L1
STM32 L4
STM32 L4+

Mainstream
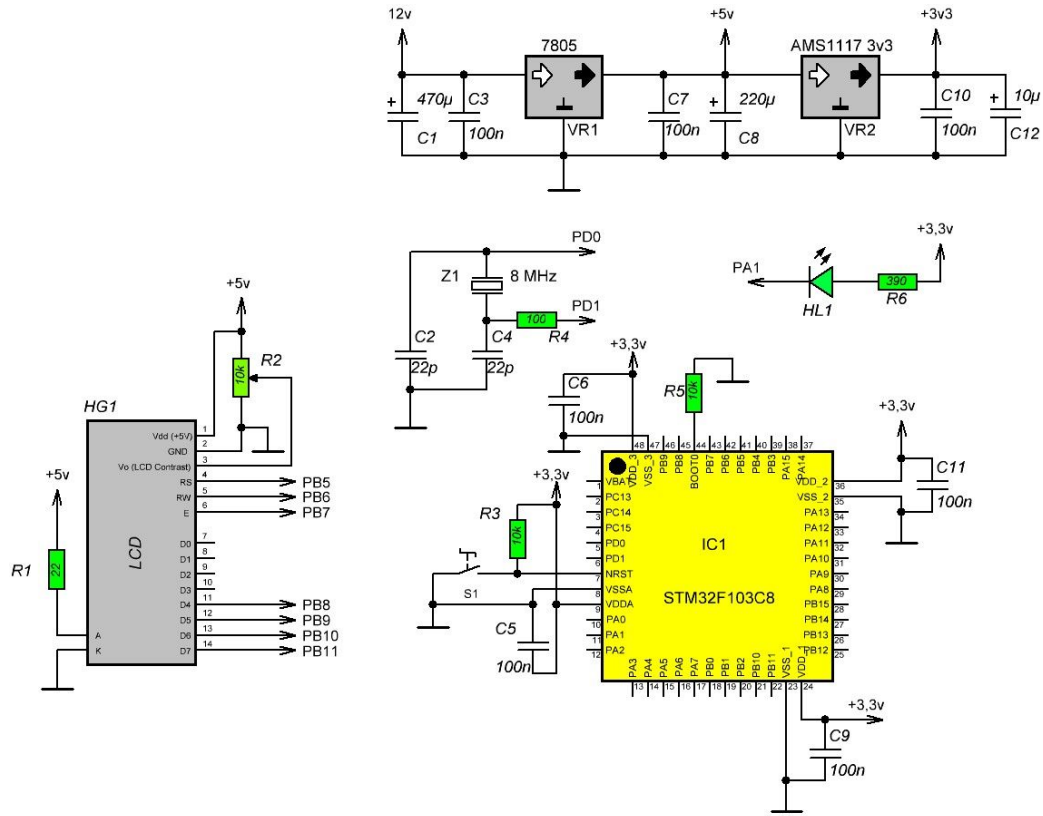STM32 F0
STM32 F1
STM32 F3

High Performance
STM32 F2
STM32 F4
STM32 F7
STM32 H7

STM32F0DISCOVERY

- 64 KB Flash memory, 8 KB RAM
- On-board ST-LINK/V2
- Four LEDs
- Two push buttons

Easy-to-start

Проекты

- Будильник
- Регулируемое освещение
- Угадай мелодию
- STMcoin
- **Хакатон**

Менторы

- Эдгар Казиахмедов
- Филипп Микоян
- Клим Киреев
- Никита Коробов
- Дмитрий Лукьянов