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REVISION HISTORY

Rev	Description	Date	Drawn	Checked	Approved
V1.0	Initial	2014-07-05	Thomas	Thomas	

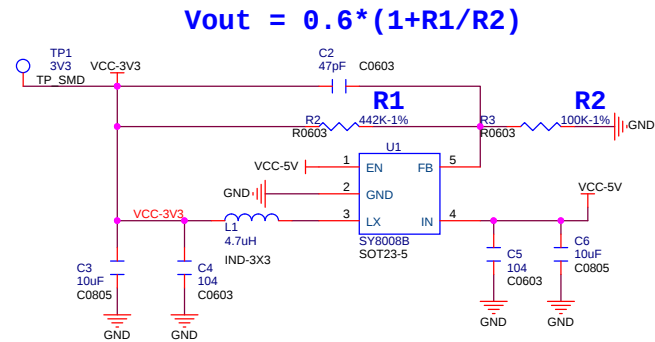


CM-STM32F4xxIG

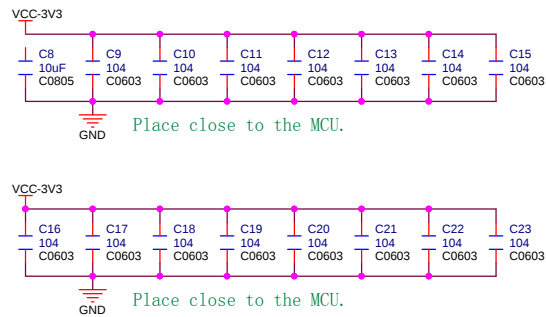
Designed by HAOYU Electronics

www.PowerMCU.com

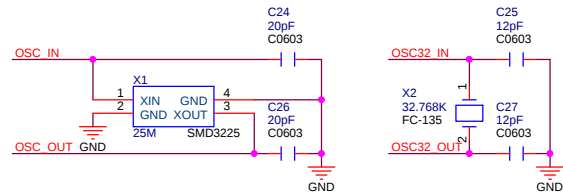
Power



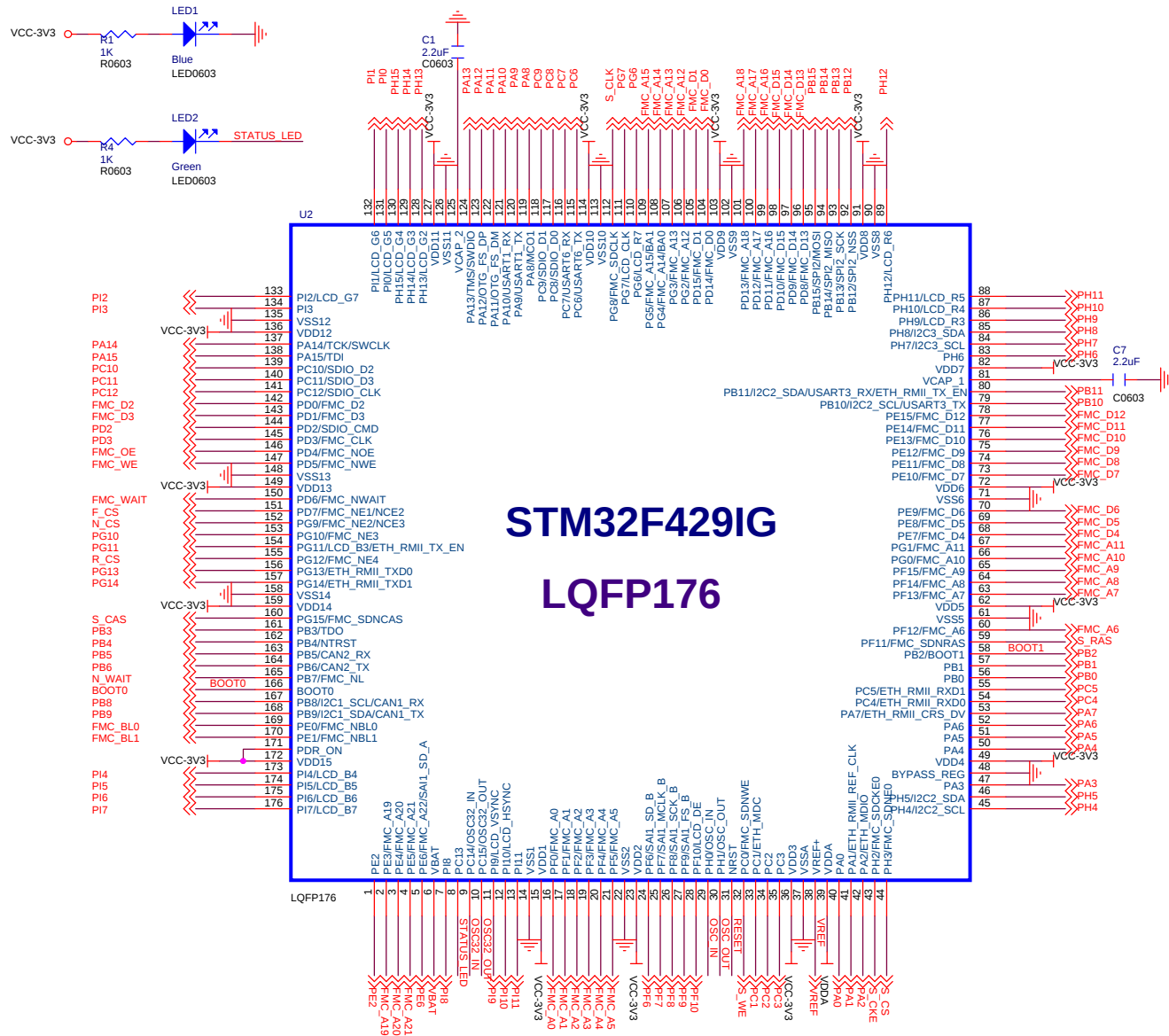
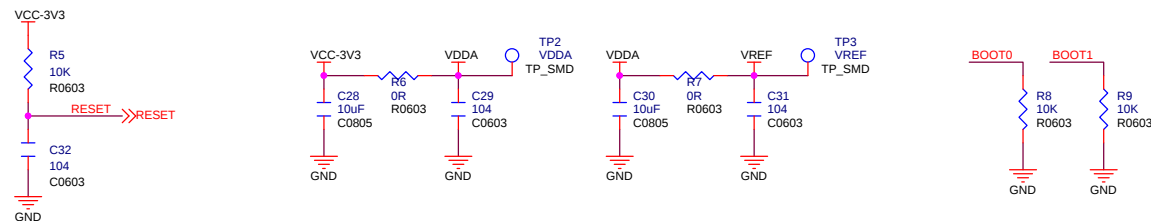
CPU



Crystal



Reset

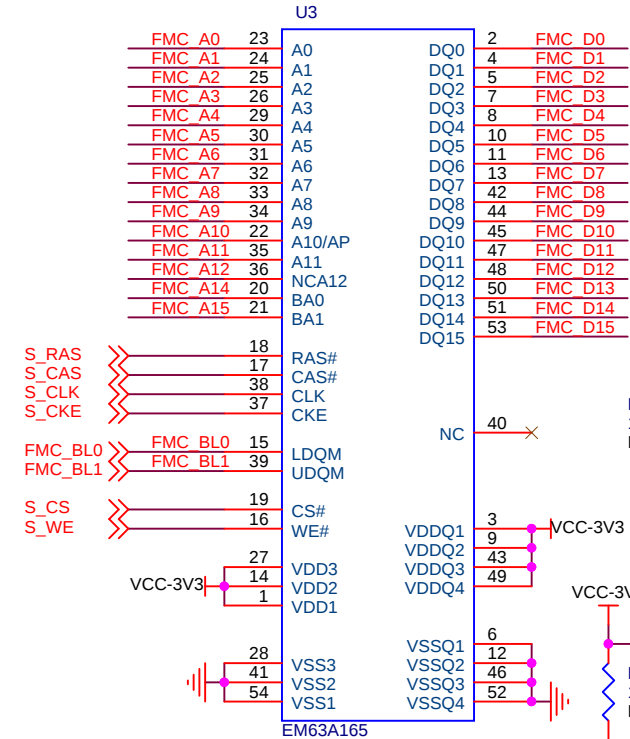


Memory

0xC0000000 ~0xC0FFFFFF
Total:32MB

NOR:0x60000000 ~0x607FFFFF
Total:8MB
PSRAM:0x6C000000 ~0x6C3FFFFF
Total:4MB

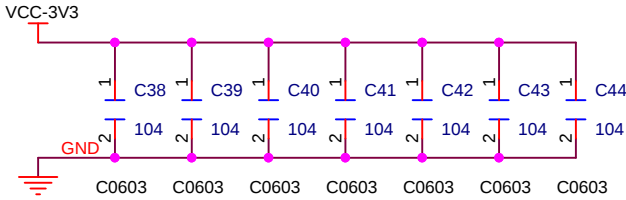
0x80000000 ~0x87FFFFFF
Total: 128MB



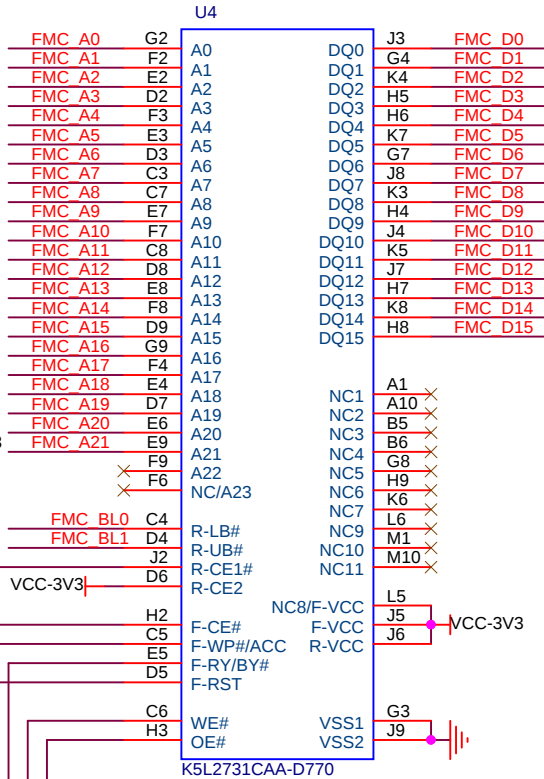
SDRAM

FMC_A[21:0] >> FMC_A[21:0]
FMC_D[15:0] >> FMC_D[15:0]

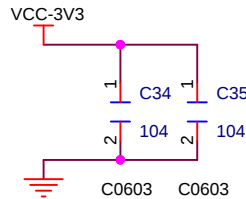
FMC_WAIT >> FMC_WE
FMC_WE >> FMC_WE
FMC_OE >> FMC_OE



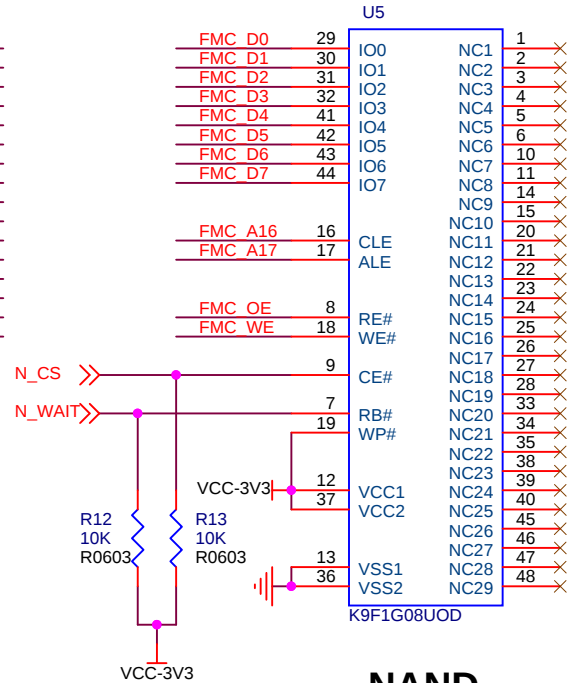
Place close to the SDRAM



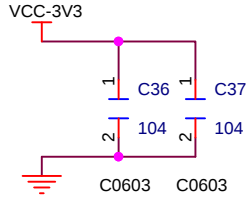
NOR + SRAM



Place close to the MCP FLASH

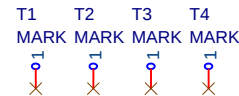
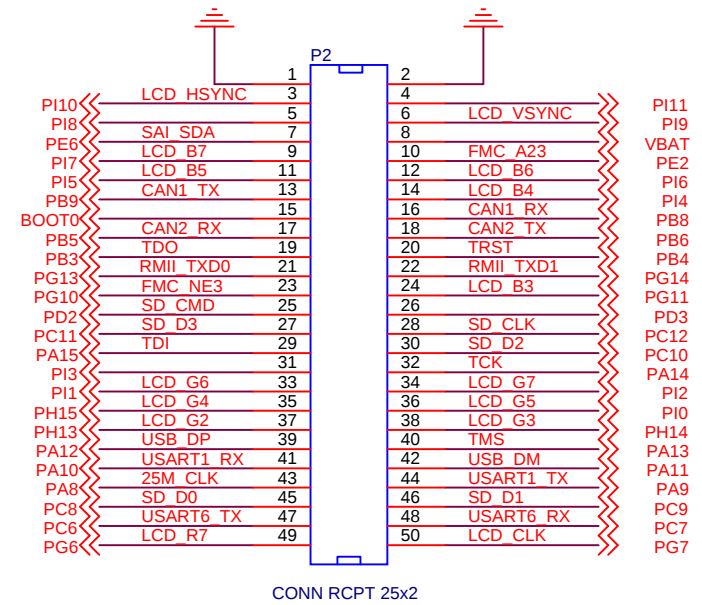
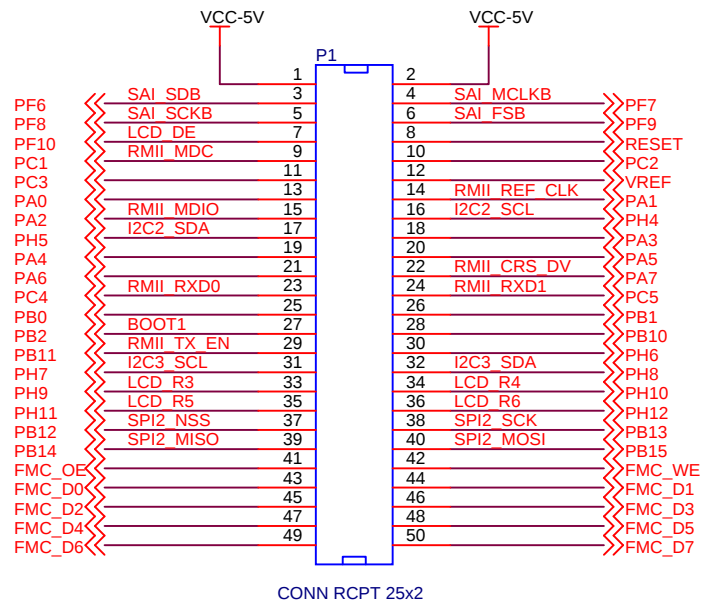


NAND



Place close to the NAND FLASH

Extention Interface





System on chip module with STM32F429IGT6 CORTEX-M4 microcontroll



[larger image](#)

FREE SHIPPING
TO ANYWHERE ON THE PLANET
ON ORDERS OVER \$100

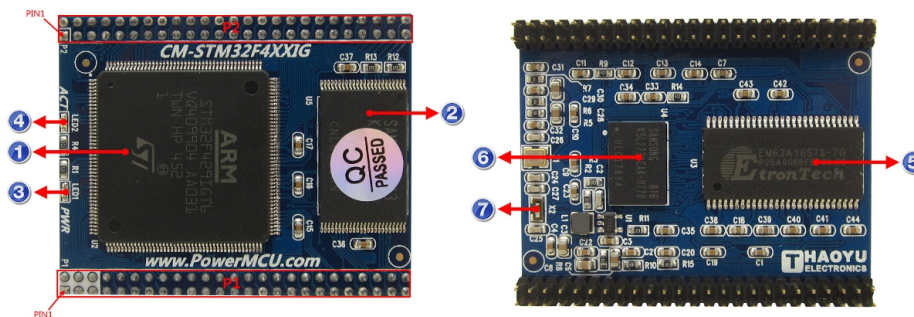
- Model: CM-STM32F4XXIG
- Shipping Weight: 12g

Description

CM-STM32F4XXIG is System on Chip module, which contains 180 MHz Cortex-M4 STM32F429IGT6 microcontroller with 32MB SDRAM, 4MB SRAM, 8MB NOR Flash and a 128MB Nand flash on a single board. The SOM interfaces to a baseboard (motherboard) using two 50-pin interface connectors.

Features

- Processor: ST STM32F429IGT6, ARM Cortex-M4 Microcontroller, working at 180MHz
 - 256 KB SRAM for code and data use
 - 1 MB ROM containing boot code and on-chip software drivers
- 32MB SDRAM
- 4MB SRAM
- 8MB NOR
- 128MB Nand Flash
- One Power indicator
- One user LED
- 32.768 kHz crystal for Real Time Clock.
- Connector: 2 connectors x 50pin 2.0mm pitch.
- Dimensions: 50mm x 40 mm



1. STM32F429IGT6, ARM Cortex-M4 Microcontroller
2. 128MB Nand Flash
3. user LED
4. Power indicator
5. 32MB SDRAM
6. 4MB SRAM + 8MB NOR
7. 32.768 kHz crystal

