STM32F072C8 Pin Out

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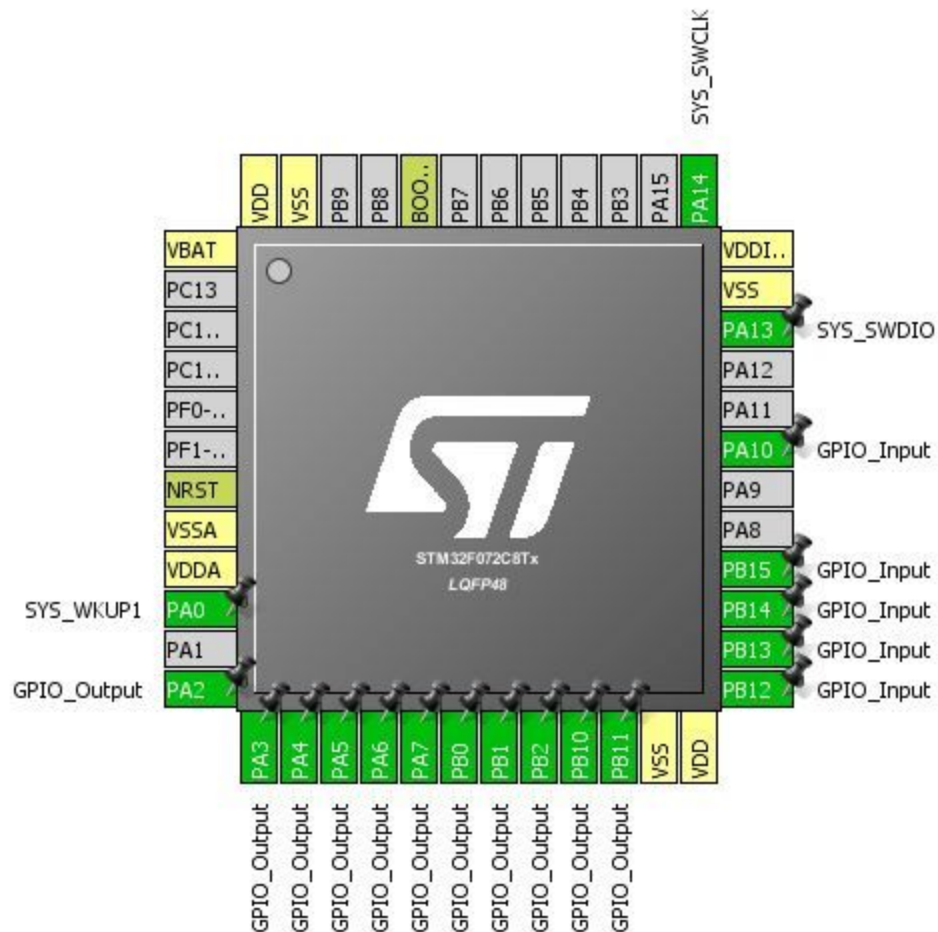
Version: 1.0

Pin Descriptions:

Pin Name	Pin Number	Purpose of Pin
BOOT0 - Reset State	44	Used to connect to VDD and boot from system memory.
VDD - 1	24	Digital Power Supply.
VSS - 1	23	Ground.
VSS - 2	47	Ground.
VDD - 2	48	Digital Power Supply.
PA13 - SYS_SWDIO	34	For V2 programmer. Data I/O.
PA14 - SYS_SWCLK	37	For V2 programmer. Clock input.
PB12 - GPIO_Input	25	Button #1. For mode selection
PB13 - GPIO_Input	26	Button #2. Toggle up in settings.
PB14 - GPIO_Input	27	Button #3. Toggle down in settings.
PB15 - GPIO_Input	28	Button #4. Confirm option button/return.
PA2 - GPIO_Output	12	RS signal. Selects Instruction/data registers.
PA3 - GPIO_Output	13	R/W signal. Selects read/write capabilities.
PA4 - GPIO_Output	14	Enable signals. Starts data read/write.
PA5 : PA7, PB0 : PB11 - GPIO_output	15-22	Data bus for display.
PA0 - SYS_WKUP1	10	Signal used to wake up MCU.

PA10 - GPIO_Input	31	Input from hall effect sensor.

Pin Diagram:

VSSA and VDDA will not be used because we are not using the AD converter. Check the reference document for STM32F072C8.