

Pin	Name	Port Type	Description
PA3	RS	GPIO Output	Selects data or instruction register for LCD.
PA4	R/W	GPIO Output	Specifies read or write mode for LCD.
PA5	EN	GPIO Output	Enable signal to write or read data for LCD.
PA6	D0	GPIO Output	Data bus pin 0.
PA7	D1	GPIO	Data bus pin 1.

		Output	
PB0	D2	GPIO Output	Data bus pin 2.
PB1	D3	GPIO Output	Data bus pin 3.
PB2	D4	GPIO Output	Data bus pin 4.
PB10	D5	GPIO Output	Data bus pin 5.
PB11	D6	GPIO Output	Data bus pin 6.
PB12	D7	GPIO Output	Data bus pin 7
PA8	Sensor	GPIO Output	Input from hall effect sensor.
PA13	SYS_S WDIO	SYS_S WDIO	Data Input and Outputs for STM emulator/programmer.
PA14	SYS_S WCLK	SYS_S WCLK	Clock for STM emulator/programmer.
PB3	Up	GPIO Input	Button for moving up.
PB4	Down	GPIO Input	Button for moving down.
PB5	Right	GPIO Input	Button for moving right.
PB6	Select	GPIO Input	Button for selecting option.
PB7	Left	GPIO Input	Button for moving left.
PF0	RCC_O SC_IN	RCC_O SS_IN	Extern high speed crystal oscillator input.
PF1	RCC_O SC_OU	RCC_O SC_OU	External high speed crystal oscillator output.

Andrew Capatina Linyi Hong Version:

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P7	Reset	NRST	Resets the MCU.