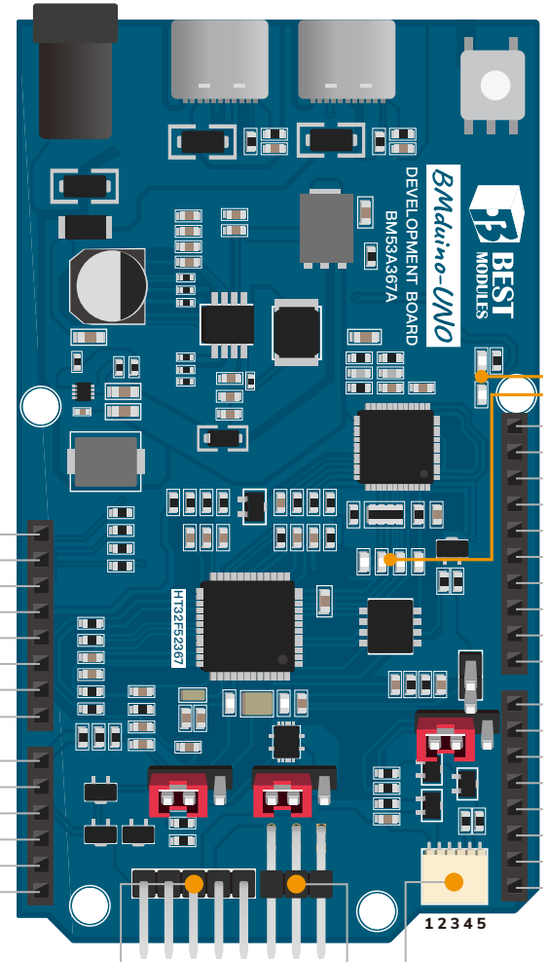
BMduino-UNO BM53A367A Full Pinout



- PWR: Green
- D13: Yellow
- TX: Yellow
- RX: Yellow
- RDY (debugger ready): Green
- STS (prgramming): Red

Name	Arduino Name	MCU Port	I²C	SPI	UART	Object	Interrupt
D19/A5	19/A5	PC4	SCL			Wire	
D18/A4	18/A4	PC5	SDA				
D30/A6/AREF	30/A6	PA0					
GND	GND						
~D13	13	PC11		SCK		SPI	10
~D12	12	PC9		MISO			9
~D11	11	PC8		MOSI			8
~D10	10	PC10		SS			7
~D9	9	PA15					6
~D8	8	PA14					5
D7	7	PB5		MISO2		SPI2/ Serial4	4
~D6	6	PB4		MOSI2			3
~D5	5	PB3		SCK2	RX4		2
~D4	4	PB2		SS2	TX4		1
~D3	3	PB1					0
~D2	2	PB0					
~D1	1	PA8			TX	Serial	
~D0	0	PA10			RX		

Object	I²C	MCU Port	Arduino Name	Name
				NC
			3.3V	IOREF
			RESET	RESET
			3.3V	3.3V
			5V	5V
			GND	GND
			GND	GND
			VIN	VIN
		PC1	14/A0	D14/A0
		PC3	15/A1	D15/A1
		PD4	16/A2	~D16/A2
		PC2	17/A3	D17/A3
Wire	SDA	PC5	18/A4	D18/A4
	SCL	PC4	19/A5	D19/A5

1 2 3 4 5

BMCOM1 (2.54mm pitch)

Interrupt	UART	I²C	MCU Port	Arduino Name	Name	
				GND	GND	1
				3.3V/5V	VDD1	2
	RX1	SDA1	PC13	20	D20	3
Wire1*/ Serial1	TX1	SCL1	PC12	21	D21	4
14			PB12	22	D22/STATUS1	5

BMCOM2 (1.0mm pitch)

1	GND	GND					
2	VDD2	3.3V/5V					
3	~D23	23	PC15	SDA2		RX2	Wire2*/ Serial2
4	~D24	24	PC14	SCL2		TX2	
5	~D25/STATUS2	25	PB6				15

SPI1

1	D26	26	PA11		MISO1		SPI1/ Serial3
2	VDD3	3.3V/5V					
3	D27	27	PA4		SCK1	TX3	
4	D28	28	PA5		MOSI1	RX3	
5	D29	29	PA7		SS1		13
6	GND	GND					

5 3 1
6 4 2
SIDE VIEW

BEST MODULES

BMduino-UNO BM53A367A Full Pinout
Date: 2023 / 04 / 13
Version: V1.00

Legend

- Name
- Arduino Name
- Power
- Ground
- MCU Port
- I²C
- SPI
- UART
- Software Object
- Interrupt
- Other
- Control

* Wire1 and Wire2 can't work at the same time because they use the same I²C circuit of the MCU.