NUCLEO STM32F103

							STM32F103	RB Pins:	Platform	Availabi	ility / Ma	ain Funct	tions / A	Iternate	e Function	5							
	PIN	Available?	Nucl	eo64 Head	ders	FT Pin ?													Remap				
			Morpho	Arduino	Arduino Label			USARTZ	USARTA	USARIS	\$\$	\$\$	ADC?	Thy	ins	This	Ting	SO/7	SOL	Car	\%	OTHER	
X	PA0		CN7-28	CN8-1	A0		PA0		CTS				IN0		CH1_ETR							WKUP	
X	PA1		CN7-30	CN8-2	A1		PA1		RTS				IN1		CH2								
X	PA2	STLINK	CN10-35	CN9-2	D1		PA2		TX				IN2		CH3								
Х	PA3	STLINK	CN10-37	CN9-1	D0		PA3		RX				IN3		CH4								
X	PA4		CN7-32	CN8-3	A2		PA4		CK				IN4					NSS					
	PA5	Green LED	CN10-11	CN5-6	D13		PA5						IN5					SCK					
	PA6		CN10-13	CN5-5	D12		PA6						IN6			CH1		MISO					TIM1_BKIN
	PA7		CN10-15	CN5-4	D11		PA7						IN7			CH2		MOSI					TIM1_CH1N
	PA8		CN10-23	CN9-8	D7	✓	PA8	CK						CH1								MC0	
	PA9		CN10-21	CN5-1	D8	✓	PA9	TX						CH2									
	PA10		CN10-33	CN9-3	D2	V	PA10	RX						CH3									
	PA11		CN10-14			✓	PA11	CTS						CH4						RX	DM		
	PA12		CN10-12			✓	PA12	RTS						ETR						TX	DP		
	PA13	TMS	CN7-13			√	JTMS/SWDIO																PA13
Х	PA14	TCK	CN7-15			√	JTCK/SWCLK																PA14
х	PA15		CN7-17			✓	JTDI																TIM2_CH1_ETR/ PA15/ SPI1_NSS
Х	PB0		CN7-34	CN8-4	A3		PB0						IN8			CH3							TIM1_CH2N
Х	PB1		CN10-24				PB1						IN9			CH4							TIM1_CH3N
X	PB2		CN10-22			✓	Port B2/Boot1																
х	PB3	SWO	CN10-31	CN9-4	D3	✓	JTDO																TIM2_CH2/ PB3/ TRACESWO/ SPI1_SCK
x	PB4		CN10-27	CN9-6	D5	✓	JNTRST																TIM3_CH1/ PB4/ SPI1_MISO
	PB5		CN10-29		D4		PB5				SMBAI												TIM23_CH2/ SPI1_MOSI
	PB6		CN10-17	CN5-3	D10	✓	PB6				SCL						CH1						USART1_TX
Х	PB7		CN7-21			✓	PB7				SDA						CH2						USART1_RX
	PB8		CN10-31		D15	✓	PB8										CH3						I2C1_SCL/ CANRX
	PB9		CN10-5	CN5-9	D14	√	PB9					6.01					CH4						I2C1_SDA/ CANTX
	PB10		CN10-25	CN9-7	D6	✓ ✓	PB10			TX		SCL											TIM2_CH3
	PB11		CN10-18			∨	PB11			RX		SDA		DIGINI					NICC				TIM2_CH4
	PB12		CN10-16			∨	PB12			CK		SMBAI		BKIN					NSS				
	PB13		CN10-30			∨	PB13			CTS				CH1N					SCK				
Х	PB14	1	CN10-28			V	PB14			RTS				CH2N					MISO				

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Х	PB15		CN10-26			✓	PB15				CH3N			MOSI			
Х	PC0		CN7-38	CN8-6	A5		PC0			IN10							
Х	PC1		CN7-36	CN8-5	A4		PC1			IN11							
Х	PC2		CN7-35				PC2			IN12							
Х	PC3		CN7-37				PC3			IN13							
Х	PC4		CN10-34				PC4			IN14							
Х	PC5		CN10-6				PC5			IN15							
Х	PC6		CN10-4			✓	PC6										TIM3_CH1
Х	PC7		CN10-19	CN5-2	D9	✓	PC7										TIM3_CH2
Х	PC8		CN10-2			✓	PC8										TIM3_CH3
Х	PC9		CN10-1			✓	PC9										TIM3_CH4
Х	PC10		CN7-1			✓	PC10										USART3_TX
Х	PC11		CN7-2			✓	PC11										USART3_RX
Х	PC12		CN7-3			✓	PC12										USART3_CK
Х	PC13	USER Button	CN7-23				PC13									Tamper-RTC	
Х	PC14	32.768KHz	CN7-25				PC14									OSC32_IN	
Χ	PC15	32.768KHz	CN7-27				PC15									OSC32_OUT	
Χ	PD2		CN7-4			✓	PD2					ETR					
Χ	OSC_IN	8MHz	CN7-29				OSC_IN										PD0
	OSC_OUT	8MHz	CN7-31				OSC_OUT										PD1
	воото		CN7-7				Boot0										
	NRST	Reset Button	CN7-14	CN6-3			NRST										

STM32F103RB/STM32F103Nucleo-64: This list supplied as a courtesy. This list may contain errors and it's your responsibility to verify the connections before using. UPDATED APRIL 2023, DD

5.0 Volt	3.3 Volt Only	DO NOT USE		Probably Avoid
Tolerant Inputs	Inputs	DO 1101 03E		Trobably Avola