

STM32F100RB Pins: Main Functions / Alternate Functions / Platform Availability																								
PIN	Main Function	Alternate Functions (without Remap)																		Remap	VLDiscovery	387 Board	Available?	
		USART1	USART2	USART3	I2C1	I2C2	ADC1	TIM1	TIM2	TIM3	TIM4	TIM15	TIM16	TIM17	SPI1	SPI2	DAC1	DAC2	CEC	OTHER				
PA0	PA0		CTS				IN0		CH1_ETR											WKUP		User PB		
PA1	PA1		RTS				IN1		CH2														LM35	HW Mod
PA2	PA2		TX				IN2		CH3			CH1											Variable Resistor	HW Mod
PA3	PA3		RX				IN3		CH4			CH2											(ADC_1_IN3)	
PA4	PA4		CK				IN4								NSS		OUT						(DAC_1)	
PA5	PA5						IN5								SCK			OUT					SW5	HW Mod
PA6	PA6						IN6			CH1					MISO								SW1.1	HW Mod
PA7	PA7						IN7			CH2					MOSI								SW1.2	HW Mod
PA8	PA8	CK						CH1												MC0			(MCO/TIM1)	
PA9	PA9	TX						CH2															LED_1	HW Mod
PA10	PA10	RX						CH3															LED_2	HW Mod
PA11	PA11	CTS						CH4															LED_3	HW Mod
PA12	PA12	RTS						ETR															LED_4	HW Mod
PA13	JTMS/SWDIO																				PA13	JTMS/SWDIO		
PA14	JTCK/SWCLK																				PA14	JTCK/SWCLK		
PA15	JTDI																				PA15			
PB0	PB0						IN8			CH3													LCD_RS	HW Mod
PB1	PB1						IN9			CH4													LCD_ENA	HW Mod
PB2	Port B2/Boot1																					Boot1		
PB3	JTDO																				PB3			SW_Remap
PB4	NJTRST																				PB4			SW_Remap
PB5	PB5				SMBA								BKIN										LCD_RW	HW Mod
PB6	PB6				SCL						CH1		CH1N										(I2C_1_SCL)	
PB7	PB7				SDA						CH2			CH1N									(I2C_1_SDA)	
PB8	PB8										CH3		CH1						CEC				SW2	HW Mod
PB9	PB9										CH4			CH1					CEC				SW3	HW Mod
PB10	PB10			TX		SCL													CEC				(UART_3_TX)	
PB11	PB11			RX		SDA																	(UART_3_RX)	
PB12	PB12			CK		SMBA		BKIN								NSS							(SPI_2_NSS)	
PB13	PB13			CTS				CH1N								SCK							(SPI_2_SCK)	
PB14	PB14			RTS				CH2N								MISO							(SPI_2_MISO)	
PB15	PB15							CH3N				CH1N				MOSI							(SPI_2_MOSI)	
PC0	PC0						IN10																LCD_Data_0	HW Mod
PC1	PC1						IN11																LCD_Data_1	HW Mod
PC2	PC2						IN12																LCD_Data_2	HW Mod
PC3	PC3						IN13																LCD_Data_3	HW Mod
PC4	PC4						IN14																LCD_Data_4	HW Mod
PC5	PC5						IN15																LCD_Data_5	HW Mod
PC6	PC6																						LCD_Data_6	HW Mod
PC7	PC7																						LCD_Data_7	HW Mod
PC8	PC8																					Blue LED		Output Only
PC9	PC9																					Green LED		Output Only
PC10	PC10																						SW1.3	HW Mod
PC11	PC11																						SW1.4	HW Mod
PC12	PC12																						SW4	HW Mod
PC13	PC13																			Tamper-RTC				
PC14	PC14																			OSC32_IN		OSC32_IN		
PC15	PC15																			OSC32_OUT		OSC32_OUT		
PD0	OSC_IN																			PD0		OSC_IN		
PD1	OSC_OUT																			PD1		OSC_OUT		
PD2	Port D2									ETR														
Boot0	Boot0																					Boot0		
NRST	NRST																					Reset		