

RIOT STM32F4 Pin Configuration				GPIO	UART	SPI	I2C	
				PWM	ADC	USB	INCAP	
STM32F4 Pin	LQFP100	Function (1) after reset	5V tolerant	Original Function	RIOT Function	Device	Function	Comments
PA0	23	PA0-WKUP		GPIO	GPIO_0	User Button 1		
PA1	24	PA1		ADC1 / IN1	ADC_0		CH0	not connected
PA2	25	PA2		USART2 / TX / AF7	UART_0		TX	not connected
PA3	26	PA3		USART2 / RX / AF7	UART_0		RX	not connected
PA4	29	PA4		ADC1 / IN4	ADC_0	CS43L22	CH1 / AIN1	
PA5	30	PA5		SPI1 / SCK / AF5	SPI_1	LIS302DL	SCL	
PA6	31	PA6		SPI1 / MISO / AF5	SPI_1	LIS302DL	MISO	
PA7	32	PA7		SPI1 / MOSI / AF5	SPI_1	LIS302DL	MOSI	
PA8	67	PA8		GPIO	GPIO_9			not connected
PA9	68	PA9		GPIO	GPIO_10	LD7 (USB data)		not connected
PA10	69	PA10				USB	ID	
PA11	70	PA11				USB	DM	
PA12	71	PA12				USB	DP	
PA13	72	JTMS-SWDIO				SWDIO	DIO	Programming interface
PA14	76	JTCK-SWCLK				SWCLK	CLK	Programming interface
PA15	77	JTDI				JTDI		Programming interface
PB0	35	PB0		TIM3 / CH3 / AF2	PWM_1		CH2	not connected
PB1	36	PB1		TIM3 / CH4 / AF2	PWM_1		CH3	not connected
PB2	37	PB2-BOOT1						
PB3	89	JTDO				SWO		Programming interface
PB4	90	NJTRST		TIM3 / CH1 / AF2	PWM_1		CH0	not connected
PB5	91	PB5		TIM3 / CH2 / AF2	PWM_1		CH1	not connected
PB6	92	PB6		I2C1 / SCL / AF4	I2C_1	CS43L22	SCL	
PB7	93	PB7		I2C1 / SDA / AF4	I2C_1	CS43L22	SDA	
PB8	95	PB8						
PB9	96	PB9						
PB10	47	PB10				MP45DT02	CLK	
PB11	48	PB11						
PB12	51	PB12						
PB13	52	PB13		SPI2 / SCK / AF5	SPI_0		SCL	not connected

PB14	53	PB14		SPI2 / MISO / AF5	SPI_0		MISO	not connected
PB15	54	PB15		SPI2 / MOSI / AF5	SPI_0		MOSI	not connected
PC0	15	PC0				USB	PowerOn	
PC1	16	PC1		ADC2 / IN11	ADC_1		CH0	not connected
PC2	17	PC2		ADC2 / IN12	ADC_1		CH1	not connected
PC3	18	PC3				MP45DT02	DOUT	
PC4	33	PC4						
PC5	34	PC5						
PC6	63	PC6						
PC7	64	PC7		I2S3 / MCK / AF6		CS43L22	MCLK	
PC8	65	PC8						
PC9	66	PC9						
PC10	78	PC10		I2S3 / CK / AF6		CS43L22	SCLK	
PC11	79	PC11						
PC12	80	PC12		I2S3 / SD / AF6		CS43L22	SDIN	
PC13	7	PC13(4)						
PC14	8	OSC32_IN						
PC15	9	OSC32_OUT						
PD0	81	PD0						
PD1	82	PD1						
PD2	83	PD2						
PD3	84	PD3						
PD4	85	PD4		GPIO	GPIO_5	CS43L22	RESET	
PD5	86	PD5		GPIO	GPIO_6	LD8 (USB over current)		
PD6	87	PD6		GPIO	GPIO_7			not connected
PD7	88	PD7		GPIO	GPIO_8			not connected
PD8	55	PD8		USART3 / TX / AF7	UART_1		TX	not connected
PD9	56	PD9		USART3 / RX / AF7	UART_1		RX	not connected
PD10	57	PD10		GPIO	GPIO_11			not connected
PD11	58	PD11						
PD12	59	PD12				LD4 (LED_GREEN)		direct access via macro
PD13	60	PD13				LD3 (orange)		direct access via macro
PD14	61	PD14				LD5 (LED_RED)		direct access via macro
PD15	62	PD15				LD6 (blue)		direct access via macro
PE0	97	PE0		GPIO	GPIO_1	LIS302DL	INT1	
PE1	98	PE1		GPIO	GPIO_2	LIS302DL	INT2	

[illegible]