

STM32F407V

PA 0	PWM1	PB 0	PWM6	PC 0		PD 0	FSMC_D2	PE 0	DCMI_D2
PA 1	PWM2	PB 1	PWM7	PC 1		PD 1	FSMC_D3	PE 1	DCMI_D3
PA 2	PWM3	PB 2	KEY	PC 2		PD 2	SD_CMD	PE 2	
PA 3	PWM4	PB 3	DCMI_IO2	PC 3		PD 3		PE 3	
PA 4	DCMI_HSYN	PB 4	DCMI_IO3	PC 4	FSMC_RST	PD 4	FSMC_RD	PE 4	DCMI_D4
PA 5		PB 5	DCMI_IO1	PC 5		PD 5	FSMC_WR	PE 5	DCMI_D6
PA 6	DCMI_PCLK	PB 6	DCMI_D5	PC 6	DCMI_D0	PD 6		PE 6	DCMI_D7
PA 7	PWM5	PB 7	DCMI_VSYN	PC 7	DCMI_D1	PD 7	FSMC_CS	PE 7	FSMC_D4
PA 8	DCMI_XCLK	PB 8	DCMI_SIOC	PC 8	SD_D0	PD 8	FSMC_D13	PE 8	FSMC_D5
PA 9	USB_VBUS	PB 9	DCMI_SIOD	PC 9	SD_D1	PD 9	FSMC_D14	PE 9	FSMC_D6
PA 10	USB_ID	PB 10	FSMC_WAIT	PC 10	SD_D2	PD 10	FSMC_D15	PE 10	FSMC_D7
PA 11	USB_DM	PB 11	FSMC_INT	PC 11	SD_D3	PD 11	FSMC_RS	PE 11	FSMC_D8
PA 12	USB_DP	PB 12	CAM_CS	PC 12	SD_CK	PD 12	CAM_RDY	PE 12	FSMC_D9
PA 13	SWDIO	PB 13	CAM_SCK	PC 13	LED_R	PD 13	CAM_INT	PE 13	FSMC_D10
PA 14	SWCLK	PB 14	CAM_MISO	PC 14	LED_G	PD 14	FSMC_D0	PE 14	FSMC_D11
PA 15		PB 15	CAM_MOSI	PC 15	LED_B	PD 15	FSMC_D1	PE 15	FSMC_D12

FUN		PIN	GPIO	AF0 SYS	AF1 TIM	AF2 TIM	AF3 TIM	AF4 I2C	AF5 SPI	AF7 USART	AF8 USART	AF9 CAN	AF10 USB	AF12 SDIO	AF13 DCMI	ADC
SWD	SWDIO	PA13		JTMS												
	SWCLK	PA14		JTCK												
LED	LED_R	PC15	GPIO													
	LED_G	PC14	GPIO													
	LED_B	PC13	GPIO													
KEY	KEY	PB2	GPIO													
PWM	PWM1	PA0			T2_CH1	T5_CH1					U4_TX					A123_IN0
	PWM2	PA1			T2_CH2	T5_CH2					U4_RX					A123_IN1
	PWM3	PA2			T2_CH3	T5_CH3	T9_CH1			U2_TX						A123_IN2
	PWM4	PA3			T2_CH4	T5_CH4	T9_CH2			U2_RX						A123_IN3
	PWM5	PA7				T3_CH2										A12_IN7
	PWM6	PB0				T3_CH3										A12_IN8
	PWM7	PB1				T3_CH4										A12_IN9
USB	USB_VBUS	PA9												VBUS		
	USB_ID	PA10												ID		
	USB_DM	PA11												DM		
	USB_DP	PA12												DP		
CAM	CAM_CS	PB12														
	CAM_SCK	PB13														
	CAM_MISO	PB14														
	CAM_MOSI	PB15														
	CAM_RDY	PD12	GPIO													
	CAM_INT	PD13	GPIO													
SD	SD_D0	PC8													D0	
	SD_D1	PC9													D1	
	SD_D2	PC10													D2	
	SD_D3	PC11													D3	
	SD_CK	PC12													CK	
	SD_CMD	PD2													CMD	
DCMI	DCMI_HSYN	PA4														HSYNC
	DCMI_PCLK	PA6														PIXCK
	DCMI_XCLK	PA8														
	DCMI_VSYN	PB7														VSYNC
	DCMI_SIOC	PB8														
	DCMI_SIOD	PB9														
	DCMI_IO1	PB5	GPIO													
	DCMI_IO2	PB3	GPIO													
	DCMI_IO3	PB4	GPIO													
	DCMI_D0	PC6													D0	
	DCMI_D1	PC7													D1	
	DCMI_D2	PE0													D2	
	DCMI_D3	PE1													D3	
	DCMI_D4	PE4													D4	
	DCMI_D5	PB6													D5	
	DCMI_D6	PE5													D6	
	DCMI_D7	PE6													D7	
FSMC	FSMC_RD	PD4													NOE	
	FSMC_WR	PD5													NEW	
	FSMC_CS	PD7													NE1	
	FSMC_RS	PD11													A16	
	FSMC_D0	PD14			T4_CH3									D0		
	FSMC_D1	PD15			T4_CH4									D1		
	FSMC_D2	PD0									CAN1_TX			D2		
	FSMC_D3	PD1									CAN1_RX			D3		
	FSMC_D4	PE7													D4	
	FSMC_D5	PE8													D5	
	FSMC_D6	PE9													D6	
	FSMC_D7	PE10													D7	
	FSMC_D8	PE11													D8	
	FSMC_D9	PE12													D9	
	FSMC_D10	PE13													D10	
	FSMC_D11	PE14													D11	
	FSMC_D12	PE15													D12	
	FSMC_D13	PD8													D13	
	FSMC_D14	PD9													D14	
	FSMC_D15	PD10													D15	
	FSMC_WAIT	PB10	GPIO													
	FSMC_INT	PB11	GPIO													
	FSMC_RST	PC4	GPIO													

DMA1								
	Stream 0	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6	Stream 7
Channel 0	SPI3_RX		SPI3_RX	SPI2_RX	SPI2_TX	SPI3_TX		SPI3_TX
Channel 1	I2C1_RX					I2C1_RX	I2C1_TX	I2C1_TX
Channel 2								
Channel 3			I2C3_RX		I2C3_TX			
Channel 4		USART3_RX		USART3_TX		USART2_RX	USART2_TX	
Channel 5								
Channel 6								
Channel 7			I2C2_RX	I2C2_RX	USART3_TX			

DMA2								
	Stream 0	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6	Stream 7
Channel 0	ADC1				ADC1			
Channel 1		DCMI	ADC2	ADC2				DCMI
Channel 2	ADC3	ADC3						
Channel 3	SPI1_RX		SPI1_RX	SPI1_TX		SPI1_TX		
Channel 4			USART1_RX	SDIO		USART1_RX	SDIO	USART1_TX
Channel 5								
Channel 6								
Channel 7								