FUN		PIN	GPIO	AF0 SYS	AF1 TIM	AF2 TIM	AF4 I2C	AF5 SPI	AF7 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								A123_IN0
	PWM2	PA1			T2_CH2	T5_CH2								A123_IN1
	PWM3	PA2			T2_CH3	T5_CH3			U2_TX					A123_IN2
	PWM4	PA3			T2_CH4	T5_CH4			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						S2_NSS						
	CAM_SCK	PB13						S2_SCL						
	CAM_MISO	PB14						S2_MISO						
	CAM_MOSI	PB15						S2_MOSI						
	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					I1_SCL							
	DCMI_SIOD	PB9					I1_SDA							
	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										RD		
	FSMC_WR	PD5										WR		
	FSMC_CS	PD7										CS		
	FSMC_RS	PD11										RS		
	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							U3_TX			D13		
	FSMC_D14	PD9							U3_RX			D14		
	FSMC_D15	PD10										D15		
	FSMC_WAIT	PB10	GPIO				I2_SCL		U3_TX					
	FSMC_INT	PB11	GPIO				I2_SDA		U3_RX					