

**Table 14. Alternate functions selected through GPIOA_AFR registers for port A**

Pin name	AF0	AF1	AF2	AF3	AF4	AF5	AF6	AF7
PA0	-	USART2_CTS	TIM2_CH1_ETR	TSC_G1_IO1	USART4_TX	-	-	COMP1_OUT
PA1	EVENTOUT	USART2_RTS	TIM2_CH2	TSC_G1_IO2	USART4_RX	TIM15_CH1N	-	-
PA2	TIM15_CH1	USART2_TX	TIM2_CH3	TSC_G1_IO3	-	-	-	COMP2_OUT
PA3	TIM15_CH2	USART2_RX	TIM2_CH4	TSC_G1_IO4	-	-	-	-
PA4	SPI1_NSS, I2S1_WS	USART2_CK	-	TSC_G2_IO1	TIM14_CH1	-	-	-
PA5	SPI1_SCK, I2S1_CK	CEC	TIM2_CH1_ETR	TSC_G2_IO2	-	-	-	-
PA6	SPI1_MISO, I2S1_MCK	TIM3_CH1	TIM1_BKIN	TSC_G2_IO3	USART3_CTS	TIM16_CH1	EVENTOUT	COMP1_OUT
PA7	SPI1_MOSI, I2S1_SD	TIM3_CH2	TIM1_CH1N	TSC_G2_IO4	TIM14_CH1	TIM17_CH1	EVENTOUT	COMP2_OUT
PA8	MCO	USART1_CK	TIM1_CH1	EVENTOUT	CRS_SYNC	-	-	-
PA9	TIM15_BKIN	USART1_TX	TIM1_CH2	TSC_G4_IO1	-	-	-	-
PA10	TIM17_BKIN	USART1_RX	TIM1_CH3	TSC_G4_IO2	-	-	-	-
PA11	EVENTOUT	USART1_CTS	TIM1_CH4	TSC_G4_IO3	CAN_RX	-	-	COMP1_OUT
PA12	EVENTOUT	USART1_RTS	TIM1_ETR	TSC_G4_IO4	CAN_TX	-	-	COMP2_OUT
PA13	SWDIO	IR_OUT	USB_NOE	-	-	-	-	-
PA14	SWCLK	USART2_TX	-	-	-	-	-	-
PA15	SPI1_NSS, I2S1_WS	USART2_RX	TIM2_CH1_ETR	EVENTOUT	USART4_RTS	-	-	-


Table 15. Alternate functions selected through GPIOB_AFR registers for port B

Pin name	AF0	AF1	AF2	AF3	AF4	AF5
PB0	EVENTOUT	TIM3_CH3	TIM1_CH2N	TSC_G3_IO2	USART3_CK	-
PB1	TIM14_CH1	TIM3_CH4	TIM1_CH3N	TSC_G3_IO3	USART3_RTS	-
PB2	-	-	-	TSC_G3_IO4	-	-
PB3	SPI1_SCK, I2S1_CK	EVENTOUT	TIM2_CH2	TSC_G5_IO1	-	-
PB4	SPI1_MISO, I2S1_MCK	TIM3_CH1	EVENTOUT	TSC_G5_IO2	-	TIM17_BKIN
PB5	SPI1_MOSI, I2S1_SD	TIM3_CH2	TIM16_BKIN	I2C1_SMBA	-	-
PB6	USART1_TX	I2C1_SCL	TIM16_CH1N	TSC_G5_IO3	-	-
PB7	USART1_RX	I2C1_SDA	TIM17_CH1N	TSC_G5_IO4	USART4_CTS	-
PB8	CEC	I2C1_SCL	TIM16_CH1	TSC_SYNC	CAN_RX	-
PB9	IR_OUT	I2C1_SDA	TIM17_CH1	EVENTOUT	CAN_TX	SPI2_NSS, I2S2_WS
PB10	CEC	I2C2_SCL	TIM2_CH3	TSC_SYNC	USART3_TX	SPI2_SCK, I2S2_CK
PB11	EVENTOUT	I2C2_SDA	TIM2_CH4	TSC_G6_IO1	USART3_RX	-
PB12	SPI2_NSS, I2S2_WS	EVENTOUT	TIM1_BKIN	TSC_G6_IO2	USART3_CK	TIM15_BKIN
PB13	SPI2_SCK, I2S2_CK	-	TIM1_CH1N	TSC_G6_IO3	USART3_CTS	I2C2_SCL
PB14	SPI2_MISO, I2S2_MCK	TIM15_CH1	TIM1_CH2N	TSC_G6_IO4	USART3_RTS	I2C2_SDA
PB15	SPI2_MOSI, I2S2_SD	TIM15_CH2	TIM1_CH3N	TIM15_CH1N	-	-

Table 16. Alternate functions selected through GPIOC_AFR registers for port C

Pin name	AF0	AF1
PC0	EVENTOUT	-
PC1	EVENTOUT	-
PC2	EVENTOUT	SPI2_MISO, I2S2_MCK
PC3	EVENTOUT	SPI2_MOSI, I2S2_SD
PC4	EVENTOUT	USART3_TX
PC5	TSC_G3_IO1	USART3_RX
PC6	TIM3_CH1	-
PC7	TIM3_CH2	-
PC8	TIM3_CH3	-
PC9	TIM3_CH4	-
PC10	USART4_TX	USART3_TX
PC11	USART4_RX	USART3_RX
PC12	USART4_CK	USART3_CK
PC13	-	-
PC14	-	-
PC15	-	-

Table 17. Alternate functions selected through GPIOD_AFR registers for port D

Pin name	AF0	AF1
PD0	CAN_RX	SPI2_NSS, I2S2_WS
PD1	CAN_TX	SPI2_SCK, I2S2_CK
PD2	TIM3_ETR	USART3_RTS
PD3	USART2_CTS	SPI2_MISO, I2S2_MCK
PD4	USART2_RTS	SPI2_MOSI, I2S2_SD
PD5	USART2_TX	-
PD6	USART2_RX	-
PD7	USART2_CK	-
PD8	USART3_TX	-
PD9	USART3_RX	-
PD10	USART3_CK	-
PD11	USART3_CTS	-
PD12	USART3_RTS	TSC_G8_IO1
PD13	-	TSC_G8_IO2
PD14	-	TSC_G8_IO3
PD15	CRS_SYNC	TSC_G8_IO4

Table 18. Alternate functions selected through GPIOE_AFR registers for port E

Pin name	AF0	AF1
PE0	TIM16_CH1	EVENTOUT
PE1	TIM17_CH1	EVENTOUT
PE2	TIM3_ETR	TSC_G7_IO1
PE3	TIM3_CH1	TSC_G7_IO2
PE4	TIM3_CH2	TSC_G7_IO3
PE5	TIM3_CH3	TSC_G7_IO4
PE6	TIM3_CH4	-
PE7	TIM1_ETR	-
PE8	TIM1_CH1N	-
PE9	TIM1_CH1	-
PE10	TIM1_CH2N	-
PE11	TIM1_CH2	-
PE12	TIM1_CH3N	SPI1_NSS, I2S1_WS
PE13	TIM1_CH3	SPI1_SCK, I2S1_CK
PE14	TIM1_CH4	SPI1_MISO, I2S1_MCK
PE15	TIM1_BKIN	SPI1_MOSI, I2S1_SD

Table 19. Alternate functions available on port F

Pin name	AF
PF0	CRS_SYNC
PF1	-
PF2	EVENTOUT
PF3	EVENTOUT
PF6	-
PF9	TIM15_CH1
PF10	TIM15_CH2