## 32F429IDISCOVERY Pinout / Free IO

Information taken from STM32F427xx STM32F429xx Datasheet ( <code>DocID024030</code> Rev 3 ) and <code>UM1670</code> ( <code>DocID025175</code> Rev 1 )

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#	Pin Name	32F429IDISCOVERY		LQFP100	Alternate functions	Additional functions	
		Pinhe	eader	Pin	Pin		
1	PA5		P2	21	41	TIM2_CH1/TIM2_ETR,	ADC12_
						TIM8_CH1N,	IN5/DAC_
						SPI1_SCK,	OUT2
						OTG_HS_ULPI_CK,	
						EVENTOUT	
2	PA9	P1		52	101	TIM1_CH2,	OTG_FS_
						I2C3_SMBA,	VBUS
						USART1_TX,	
						DCMI_D0, EVENTOUT	
3	PA10	P1		51	102	TIM1_CH3,	
						USART1_RX,	
						OTG_FS_ID,	
						DCMI_D1, EVENTOUT	
4	PB4	P1		25	134	NJTRST, TIM3_CH1,	
						SPI1_MISO,	
	i					SPI3_MISO,	
	1					I2S3ext SD,	
	1					EVENTOUT	
5	PB7	P1		24	137	TIM4_CH2, I2C1_SDA,	
						USART1_RX, FMC_NL,	
						DCMI_VSYNC,	
	1					EVENTOUT	
6	PC3		P2	15	29	SPI2_MOSI/I2S2_SD,	ADC123_
						OTG_HS_ULPI_NXT,	IN13
						ETH_MII_TX_CLK,	
						FMC_SDCKE0,	
						EVENTOUT	
7	PC8	P1		55	98	TIM3_CH3, TIM8_CH3,	
-						USART6_CK,	
						SDIO_D0, DCMI_D2,	
						EVENTOUT	
8	PC11	P1		44	112	I2S3ext_SD,	
						SPI3_MISO,	
						USART3 RX,	
						UART4_RX, SDIO_D3,	
						DCMI_D4, EVENTOUT	
9	PC12	P1		43	113	SPI3_MOSI/I2S3_SD,	
						USART3_CK,	
						UART5_TX, SDIO_CK,	
			1			DCMI_D9, EVENTOUT	
10	PC13	P1	+	12	7	EVENTOUT	TAMP_1
11	PD2	P1	+	40	116	TIM3_ETR,	
	1. 52	+ -	+	+ 10	110	UART5_RX,	

						SDIO_CMD,	
			+			DCMI_D11,	
			+			EVENTOUT	
12	PD4	P1	+	38	118	USART2_RTS,	
12		-	+		110	FMC_NOE,	
			+			EVENTOUT	
13	PD5	P1	+	37	119	USART2_TX,	
13	1.53		+		113	FMC_NWE,	
			+			EVENTOUT	
14	PD7	P1		35	123	USART2 CK,	
						FMC_NE1/FMC_NCE2,	
						EVENTOUT	
15	PE2	P1		15	1	TRACECLK,	
						SPI4_SCK,	
						SAI1_MCLK_A,	
			+			ETH_MII_TXD3,	
			+			FMC_A23, EVENTOUT	
16	PE3	P1	+	16	2	TRACEDO,	
		-   · -	+	<u> </u>	<del>_</del>	SAI1_SD_B, FMC_A19,	
						EVENTOUT	
17	PE4	P1		13	3	TRACED1, SPI4_NSS,	
				1		SAI1_FS_A, FMC_A20,	
						DCMI_D4, LCD_B0,	
						EVENTOUT	
18	PE5	P1		14	4	TRACED2, TIM9_CH1,	
						SPI4_MISO,	
						SAI1_SCK_A,	
						FMC_A21, DCMI_D6,	
						LCD_G0, EVENTOUT	
19	PE6	P1	1	11	5	TRACED3, TIM9_CH2,	
			1			SPI4_MOSI,	
						SAI1_SD_A, FMC_A22,	
						DCMI_D7, LCD_G1,	
						EVENTOUT	
20	PF6		P2	3	18	TIM10_CH1,	ADC3_IN4
						SPI5_NSS,	_
						SAI1_SD_B,	
						UART7_Rx,	
						FMC_NIORD,	
						EVENTOUT	
21	PG2		P2	62	87	FMC_A12,	
						EVENTOUT	
22	PG3		P2	61	88	FMC_A13,	
						EVENTOUT	
23	PG9	P1		33	93	SPI6_NSS,	
						USART6_RTS,	
						ETH_PPS_OUT,	
						FMC_SDCLK,	
						EVENTOUT	