

Port	Header Pin							Used as (Board defined)	Used as (User defined)
	J1	J2	J3	J4	JP2	J6	P1 U5		
PA_0		23						WkUp/UsrBtn	
PA_1		24							ADC123_IN1
PA_2		25							ADC123_IN2
PA_3		26							ADC123_IN3
PA_4		27							AOUT1
PA_5		28							AOUT2
PA_6		29						LED1	
PA_7		30						LED2	
PA_8			35						
PA_9			34			4		USART1_TX	
PA_10			33			3		USART2_RX	
PA_11			32	2				OTG_FS_DM	
PA_12			31	3				OTG_FS_DP	
PA_13							7	JTAG_TMS	
PA_14							9	JTAG_TCK	
PA_15			30				5	JTAG_TDI	
PB_0		33						SPI1_F_CS	
PB_1		34						LCD_BL	
PB_2			6					BOOT1	
PB_3			18		5		13	JTAG_TDO / SPI1_SCK	
PB_4					7		3	JTAG_TRST / SPI1_MISO	
PB_5			17		6			SPI1_MOSI	
PB_6			16		3			NRF_CE	
PB_7			15		4			NRF_CS	
PB_8			14		8			NRF_IRQ	
PB_9			13						
PB_10		44							I2C2_SCL
PB_11		45							I2C2_SDA
PB_12	24	46						SPI2_CS / Touch_CS	
PB_13	23	47						SPI2_SCK / Touch_SCK	
PB_14	26	48						SPI2_MISO / Touch_MISO	
PB_15	25		48					SPI2_MOSI / Touch_MOSI	
PC_0		17							
PC_1		18							
PC_2		19							
PC_3		20							
PC_4		31							
PC_5		32						Touch_PEN	
PC_6			39						USART6_TX
PC_7			38						USART6_RX
PC_8			37				7	SDIO_D0	
PC_9			36				8	SDIO_D1	
PC_10			29				1	SDIO_D2	
PC_11			28				2	SDIO_D3	
PC_12			27				5	SDIO_SCK	
PC_13		16							
PC_14								OSC32_IN	
PC_15								OSC32_OUT	
PD_0	16		26					FSMC_D2	
PD_1	15		25					FSMC_D3	
PD_2			24					SDIO_CMD	
PD_3			23						
PD_4	19		22					FSMC_NOE	
PD_5	20		21					FSMC_NWE	
PD_6			20						
PD_7	22		19					FSMC_NE1	
PD_8	5		47					FSMC_D13	
PD_9	4		46					FSMC_D14	
PD_10	3		45					FSMC_D15	
PD_11			44						
PD_12			43						
PD_13	21		42					FSMC_A18	
PD_14	18		41					FSMC_D0	
PD_15	17		40					FSMC_D1	
PE_0			12						
PE_1			11						
PE_2		11							
PE_3		12						Btn "KEY1"	
PE_4		13						Btn "KEY0"	
PE_5		14							TIM9_CH1 (PWM)
PE_6		15							TIM9_CH2 (PWM)
PE_7	14	35						FSMC_D4	
PE_8	13	36						FSMC_D5	
PE_9	12	37						FSMC_D6	
PE_10	11	38						FSMC_D7	
PE_11	10	39						FSMC_D8	
PE_12	9	40						FSMC_D9	
PE_13	8	41						FSMC_D10	
PE_14	7	42						FSMC_D11	
PE_15	6	43						FSMC_D12	