

Выводы, к которым что-то подключено (остальные полностью свободные)

Распределение по платам

MCU Pin	Name	Type	XH	AF0	AF1	AF2	AF3	AF4	AF5	AF6	AF7	AF8	AF9	AF10	AF11	AF12	MCU-SD	PWR	IMU	RF-GNSS	FPGA	Comment		
1	VBAT	Power																						
2	PC13-ANTI_TAMP	I/O	B14																SR_nOE		GPIO28			
3	PC14-OSC32_IN	I/O			RCC_OSC32_IN																			
4	PC15-OSC32_OUT	I/O			RCC_OSC32_OUT																			
5	PH0_OSC_IN	I/O			RCC_OSC_IN																			
6	PH1_OSC_OUT	I/O			RCC_OSC_OUT																			
7	NRST	Reset																						
8	PC0	I/O	B13																Mux_Out			ADC		
9	PC1	I/O	B11																SR_Latch		GPIO31	ADC		
10	PC2	I/O	B12						SPI2_MISO	I2S2_ext_SD										RF_IRQ	GPIO58	ADC		
11	PC3	I/O	B08						I2S2_SD/SPI2_MOSI											RF2_AUX		ADC		
12	VSSA/VREF-	Power																						
13	VREF+	Power																						
14	PA0-WKUP	I/O	B07		TIM2_CH1/TIM2_ETR	TIM5_CH1													Ctrl5					
15	PA1	I/O	B06		TIM2_CH2	TIM5_CH2														1Wire				
16	PA2	I/O	B05		TIM2_CH3	TIM5_CH3	TIM9_CH1														RF2_RX		Резервный интерфейс	
17	PA3	I/O	B03		TIM2_CH4	TIM5_CH4	TIM9_CH2														RF2_TX		Резервный интерфейс	
18	VSS	Power																						
19	VDD	Power																						
20	PA4	I/O	B04						SPI1_NSS	I2S3_WS/SPI3_NSS	USART2_CK											GPIO59	Резервный интерфейс	
21	PA5	I/O	B01		TIM2_CH1/TIM2_ETR				SPI1_SCK														GPIO60	Резервный интерфейс
22	PA6	I/O	A22		TIM1_BKIN	TIM3_CH1			SPI1_MISO														GPIO119	Резервный интерфейс
23	PA7	I/O	A21		TIM1_CH1N	TIM3_CH2			SPI1_MOSI														GPIO115	Резервный интерфейс
24	PC4	I/O	A20																					
25	PC5	I/O	A19																		SR_Latch	GPIO10	ADC	
26	PB0	I/O	A18		TIM1_CH2N	TIM3_CH3															SR_nOE	GPIO114	ADC	
27	PB1	I/O	A17		TIM1_CH3N	TIM3_CH4																	GPIO11	
28	PB2	I/O	A14																Ctrl1 Ctrl2					
29	PB10	I/O	A13		TIM2_CH3			I2C2_SCL	I2S2_CK/SPI2_SCK											PE_nINT				
30	VCAP1	Power															LED				GNSS_PPS	GPIO120	MCU_LED	
31	VSS	Power																						
32	VDD	Power																						
33	PB12	I/O	A12		TIM1_BKIN			I2C2_SMBA	I2S2_WS/SPI2_NSS														GPIO121	main SPI
34	PB13	I/O	A11		TIM1_CH1N				I2S2_CK/SPI2_SCK											SCK	SCK		GPIO128	main SPI
35	PB14	I/O	A08		TIM1_CH2N				SPI2_MISO	I2S2_ext_SD										MISO	MISO		GPIO129	main SPI
36	PB15	I/O	A07	RTC_REFIN	TIM1_CH3N				I2S2_SD/SPI2_MOSI											MOSI	MOSI		GPIO132	main SPI
37	PC6	I/O	A06			TIM3_CH1			I2S2_MCK												GNSS_RX		GPIO133	for GNSS
38	PC7	I/O	A05			TIM3_CH2				I2S3_MCK											GNSS_TX		GPIO1	for GNSS
39	PC8	I/O				TIM3_CH3																		
40	PC9	I/O		RCC_MCO_2		TIM3_CH4		I2C3_SDA	I2S_CKIN															
41	PA8	I/O	A04	RCC_MCO_1	TIM1_CH1			I2C3_SCL															GPIO3	Резервный интерфейс
42	PA9	I/O	A03		TIM1_CH2			I2C3_SMBA															GPIO2	Резервный интерфейс
43	PA10	I/O	A01		TIM1_CH3																		GPIO7	Резервный интерфейс
44	PA11	I/O			TIM1_CH4																			
45	PA12	I/O			TIM1_ETR																			
46	PA13	I/O		SYS_JTMS-SWIDIO																				
47	VSS	Power																						
48	VDD	Power																						
49	PA14	I/O		SYS_JTCK-SWCLK																				
50	PA15	I/O		SYS_JTDI	TIM2_CH1/TIM2_ETR				SPI1_NSS	I2S3_WS/SPI3_NSS														
51	PC10	I/O								I2S3_CK/SPI3_SCK													SDIO_D2	
52	PC11	I/O								I2S3_ext_SD	SPI3_MISO												SDIO_D3	
53	PC12	I/O									I2S3_SD/SPI3_MOSI												SDIO_CK	
54	PD2	I/O																					SDIO_CMD	
55	PB3	I/O		SYS_JTDO-SWD0	TIM2_CH2				SPI1_SCK	I2S3_CK/SPI3_SCK														
56	PB4	I/O	B22	SYS_JTRST		TIM3_CH1			SPI1_MISO	SPI3_MISO	I2S3_ext_SD		I2C2_SDA										GPIO46	
57	PB5	I/O	B21			TIM3_CH2				SPI1_MOSI			I2C3_SDA										GPIO44	
58	PB6	I/O	B19			TIM4_CH1		I2C1_SMBA															GPIO49	main I2C
59	PB7	I/O	B20			TIM4_CH2		I2C1_SCL				USART1_TX											GPIO50	main I2C
60	BOOT0	Boot																						
61	PB8	I/O	B17				TIM10_CH1	I2C1_SCL																
62	PB9	I/O	B18			TIM11_CH1	I2C1_SDA		I2S2_WS/SPI2_NSS														EN	
63	VSS	Power																						
64	VDD	Power																						