

Ordinal	PORT	PIN	STM32H743IIK Signal	FMU USAGE
-1				
0	PA	0	ADC1_IN0	BAT1_V
1	PA	1	ADC1_IN1	BAT1_I
2	PA	2	ADC1_IN2	BAT2_V
3	PA	3	ADC1_IN3	BAT2_I
4	PA	4	ADC1_IN4	ADC1_6V6_IN
5	PA	5	TIM2_CH1_IN	FMU_CAP3
6	PA	6	SPI1_MISO	SPI1_MISO_SENSOR1
7	PA	7	TIM14_CH1	HEATER
8	PA	8		TP11
9	PA	9	USB_OTG_FS_VBUS	VBUS
10	PA	10	TIM1_CH3	FMU_AUX_CH2
11	PA	11	USB_OTG_FS_DM	USB_DM
12	PA	12	USB_OTG_FS_DP	USB_DP
13	PA	13	SWDIO	JTAG-SWDIO
14	PA	14	SWCLK	JTAG-SWCLK
15	PA	15		TP12
16	PB	0	PB0	GND_VIA_10K
17	PB	1	TIM3_CH4	NLED_RED
18	PB	2		NC
19	PB	3	TIM2_CH2_IN	FMU_CAP2
20	PB	4	PB4	SPI1_DRDY1_ICM20689
21	PB	5	SPI6_MOSI	SPI6_MOSI_EXTERNAL2
22	PB	6	USART1_TX	USART1_TX_GPS1
23	PB	7	USART1_RX	USART1_RX_GPS1
24	PB	8	I2C1_SCL	I2C1_SCL_GPS1
25	PB	9	I2C1_SDA	I2C1_SDA_GPS1
26	PB	10		NC
27	PB	11	TIM2_CH4_IN	FMU_CAP1
28	PB	12	CAN2_RX	CAN2_RX
29	PB	13	CAN2_TX	CAN2_TX
30	PB	14	PB14	SPI1_DRDY2_BMI055_GYRO
31	PB	15	PB15	SPI1_DRDY3_BMI055_ACC
32	PC	0	ADC1_IN10	SCALED_V5
33	PC	1	ADC1_IN11	SCALED_3V3
34	PC	2	ADC1_IN12	HW_VER_SENSE
35	PC	3	ADC1_IN13	HW_REV_SENSE
36	PC	4	ADC1_IN14	ADC1_3V3_IN
37	PC	5		NC
38	PC	6	TIM3_CH1	NLED_GREEN
39	PC	7	TIM3_CH2	NLED_BLUE
40	PC	8	SDMMC1_D0	SDMMC1_D0
41	PC	9	SDMMC1_D1	SDMMC1_D1
42	PC	10	SDMMC1_D2	SDMMC1_D2
43	PC	11	SDMMC1_D3	SDMMC1_D3
44	PC	12	SDMMC1_CLK	SDMMC1_CLK
45	PC	13	PC13	SPI1_DRDY5_BMI055_GYRO

46	PC	14	OSC32_IN	32.678 KHz
47	PC	15	OSC32_OUT	32.678 KHz
48	PD	0	UART4_RX	UART4_RX_I2C2
49	PD	1	UART4_TX	UART4_TX_I2C2
50	PD	2	SDMMC1_CMD	SDMMC1_CMD
51	PD	3	USART2_CTS	USART2_CTS_TELEM1
52	PD	4	USART2_RTS	USART2_RTS_TELEM1
53	PD	5	USART2_TX	USART2_TX_TELEM1
54	PD	6	USART2_RX	USART2_RX_TELEM1
55	PD	7	SPI1_MOSI	SPI1_MOSI_SENSOR1
56	PD	8	USART3_TX	USART3_TX_TELEM2
57	PD	9	USART3_RX	USART3_RX_TELEM2
58	PD	10	PD10	SPI1_DRDY6_BMI055_ACC
59	PD	11	USART3_CTS	USART3_CTS_TELEM2
60	PD	12	USART3_RTS	USART3_RTS_TELEM2
61	PD	13	TIM4_CH2	FMU_AUX_CH5
62	PD	14	TIM4_CH3	FMU_CAP6
63	PD	15	PD15	SPI5_DRDY7_EXTERNAL1
64	PE	0	UART8_RX	UART8_RX_FROM_IO
65	PE	1	UART8_TX	UART8_TX_TO_IO
66	PE	2	SPI4_SCK	SPI4_SCK_SENSOR2
67	PE	3	PE3	VDD_3V3_SENSORS_EN
68	PE	4	PE4	VDD_3V3_SPEKTRUM_POWER_EN
69	PE	5	TIM9_CH1	BUZZER_1
70	PE	6	SPI4_MOSI	SPI4_MOSI_SENSOR2
71	PE	7	PE7	DRDY8
72	PE	8	UART7_TX	UART7_TX_DEBUG
73	PE	9	TIM1_CH1	FMU_AUX_CH4
74	PE	10	PE10	GND_VIA_10K
75	PE	11	TIM1_CH2	FMU_AUX_CH3
76	PE	12		NC
77	PE	13	SPI4_MISO	SPI4_MISO_SENSOR2
78	PE	14	TIM1_CH4	FMU_AUX_CH1
79	PE	15	PE15	NVDD_5V_PERIPH_OC
80	PF	0	I2C2_SDA	I2C2_SDA_UART4
81	PF	1	I2C2_SCL	I2C2_SCL_UART4
82	PF	2	PF2	SPI1_CS1_ICM20689
83	PF	3		NC
84	PF	4	PF4	SPI1_CS3_BMI055_GYRO
85	PF	5	PF5	SPI2_CS_FRAM
86	PF	6	UART7_RX	UART7_RX_DEBUG
87	PF	7	SPI5_SCK	SPI5_SCK_EXTERNAL1
88	PF	8	SPI5_MISO	SPI5_MISO_EXTERNAL1
89	PF	9	SPI5_MOSI	SPI5_MOSI_EXTERNAL1
90	PF	10	PF10	SPI4_CS1_MS5611
91	PF	11		TP13
92	PF	12	PF12	NVDD_5V_HIPOWER_EN
93	PF	13	PF13	NVDD_5V_HIPOWER_OC

94	PF	14	I2C4_SCL	I2C4_SCL_EXTERNAL2
95	PF	15	I2C4_SDA	I2C4_SDA_EXTERNAL2
96	PG	0	PG0	HW_VER_DRIVE
97	PG	1	PG1	NPOWER_IN_A
98	PG	2	PG2	NPOWER_IN_B
99	PG	3	PG3	NPOWER_IN_C
100	PG	4	PG4	NVDD_5V_PERIPH_EN
101	PG	5	PG5	NC
102	PG	6	PG6	TP15
103	PG	7	PG7	VDD_3V3V_SD_CARD_EN
104	PG	8	USART6_RTS	USART6_RTS_TELEM3
105	PG	9	USART6_RX	USART6_RX_TELEM3
106	PG	10	SPI1_CS4	SPI1_CS4_BMI055_ACC
107	PG	11	SPI1_SCK	SPI1_SCK_SENSOR1
108	PG	12	SPI6_MISO	SPI6_MISO_EXTERNAL2
109	PG	13	SPI6_SCK	SPI6_SCK_EXTERNAL2
110	PG	14	USART6_TX	USART6_TX_TELEM3
111	PG	15	USART6_CTS	USART6_CTS_TELEM3
112	PH	0	OSC_IN	16 Mhz
113	PH	1	OSC_OUT	16 Mhz
115	PH	2	PH2	CAN1_SILENT_S0
116	PH	3	PH3	CAN2_SILENT_S1
117	PH	4		NC
118	PH	5	PH5	SPIAUX_CS_MEM
119	PH	6	TIM12_CH1	FMU_CAP5
120	PH	7	I2C3_SCL	I2C3_SCL
121	PH	8	I2C3_SDA	I2C3_SDA
122	PH	9	TIM12_CH2	FMU_CAP4
123	PH	10		NC
124	PH	11		NC
125	PH	12		NC
126	PH	13	CAN1_TX	CAN1_TX
127	PH	14	PH14	HW_REV_DRIVE
128	PH	15		NC
129	PI	0		NC
130	PI	1	SPI2_SCK	SPI2_SCK_FRAM
131	PI	2	SPI2_MISO	SPI2_MISO_FRAM
132	PI	3	SPI2_MOSI	SPI2_MOSI_FRAM
133	PI	4	PI4	SPI5_CS1_EXTERNAL1
134	PI	5	PL5	GND_VIA_10K
135	PI	6	PI6	SPI6_CS1_EXTERNAL2
136	PI	7	PI7	SPI6_CS2_EXTERNAL2
137	PI	8	PI8	SPI6_CS3_EXTERNAL2
138	PI	9	CAN1_RX	CAN1_RX
139	PI	10	PI10	SPI5_CS2_EXTERNAL1
140	PI	11		NC