

<u>LQFP100</u>	<u>LQFP64</u>	<u>LQFP48</u>	<u>Typ</u>	<u>Level</u>	<u>Main / Port</u>	<u>U(S)ART</u>	<u>SPI</u>	<u>I2C</u>	<u>CAN</u>	<u>USB</u>	<u>Timer</u>	<u>ADC</u>	<u>Other</u>
1			I/O	FT	PE2								TraceCK
2			I/O	FT	PE3								TraceD0
3			I/O	FT	PE4								TraceD1
4			I/O	FT	PE5								TraceD2
5			I/O	FT	PE6								TraceD3
6	1	1			Vbat								
7	2	2	I/O		PC13								Tamper-RTC
8	3	3	I/O		PC14								Osc32-In
9	4	4	I/O		PC15								Osc32-Out
10					Vss_s								
11					Vdd_s								
12			I		Osc-In								
13			O		Osc-Out								
	5	5	I/O	FT	Osc-In				(Rx)				
	6	6	I/O	FT	Osc-Out				(Tx)				
14	7	7	I/O		Reset								
15	8		I/O		PC0							12 – In10	
16	9		I/O		PC1							12 – In11	
17	10		I/O		PC2							12 – In12	
18	11		I/O		PC3							12 – In13	
19	12	8			Vssa								
20					Vref-								
21					Vref+								
22	13	9			Vdda								
23	14	10	I/O		PA0	2 – CTS					2 – Ch1/ETR	12 – In0	WKUP
24	15	11	I/O		PA1	2 – RTS					2 – Ch2	12 – In1	
25	16	12	I/O		PA2	2 – Tx					2 – Ch3	12 – In2	
26	17	13	I/O		PA3	2 – Rx					2 – Ch4	12 – In3	
27	18				Vss_4								
28	19				Vdd_4								
29	20	14	I/O		PA4	2 – CK	1 – SS					12 – In4	
30	21	15	I/O		PA5		1 – SCK					12 – In5	
31	22	16	I/O		PA6		1 – MISO				3 – Ch1 (1 – BKIN)	12 – In6	
32	23	17	I/O		PA7		1 – MOSI				3 – Ch2 (1 – Ch1N)	12 – In7	
33	24		I/O		PC4							12 – In14	
34	25		I/O		PC5							12 – In15	
35	26	18	I/O		PB0						3 – Ch3 (1 – Ch2N)	12 – In8	
36	27	19	I/O		PB1						3 – Ch4 (1 – Ch3N)	12 – In9	
37	28	20	I/O	FT	PB2 / Boot1								
38			I/O	FT	PE7						(1 – ETR)		
39			I/O	FT	PE8						(1 – Ch1N)		
40			I/O	FT	PE9						(1 – Ch1)		
41			I/O	FT	PE10						(1 – Ch2N)		
42			I/O	FT	PE11						(1 – Ch2)		
43			I/O	FT	PE12						(1 – Ch3N)		
44			I/O	FT	PE13						(1 – Ch3)		
45			I/O	FT	PE14						(1 – Ch4)		
46			I/O	FT	PE15						(1 – BKIN)		
47	29	21	I/O	FT	PB10	3 – Tx		2 – SCL			2 – Ch3		
48	30	22	I/O	FT	PB11	3 – Rx		2 – SDA			2 – Ch4		
49	31	23			Vss_1								

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50	32	24			Vdd_1								
51	33	25	I/O	FT	PB12	3 – CK	2 – SS	1 – SMBAI			1 – BKIN		
52	34	26	I/O	FT	PB13	3 – CTS	2 – SCK				1 – Ch1N		
53	35	27	I/O	FT	PB14	3 – RTS	2 – MISO				1 – Ch2N		
54	36	28	I/O	FT	PB15		2 – MOSI				1 – Ch3N		
55			I/O	FT	PD8	(3 – Tx)							
56			I/O	FT	PD9	(3 – Rx)							
57			I/O	FT	PD10	(3 – CK)							
58			I/O	FT	PD11	(3 – CTS)							
59			I/O	FT	PD12	(3 – RTS)					(4 – Ch1)		
60			I/O	FT	PD13						(4 – Ch2)		
61			I/O	FT	PD14						(4 – Ch3)		
62			I/O	FT	PD15						(4 – Ch4)		
63	37		I/O	FT	PC6						(3 – Ch1)		
64	38		I/O	FT	PC7						(3 – Ch2)		
65	39		I/O	FT	PC8						(3 – Ch3)		
66	40		I/O	FT	PC9						(3 – Ch4)		
67	41	29	I/O	FT	PA8	1 – CK					1 – Ch1		MCO
68	42	30	I/O	FT	PA9	1 – Tx					1 – Ch2		
69	43	31	I/O	FT	PA10	1 – Rx					1 – Ch3		
70	44	32	I/O	FT	PA11	1 – CTS			Rx	DM	1 – Ch4		
71	45	33	I/O	FT	PA12	1 – RTS			Tx	DP	1 – ETR		
72	46	34	I/O	FT	JTMS/SWDIO (PA13)								
73													
74	47	35			Vss_2								
75	48	36			Vdd_2								
76	49	37	I/O	FT	JTCK/SWCLK (PA14)								
77	50	38	I/O	FT	JTDI (PA15)		(1 – SS)				(2 – Ch1/ETR)		
78	51		I/O	FT	PC10	(3 – Tx)							
79	52		I/O	FT	PC11	(3 – Rx)							
80	53		I/O	FT	PC12	(3 – CK)							
81			I/O	FT	Osc-In				(Rx)				
82			I/O	FT	Osc-Out				(Tx)				
83	54		I/O	FT	PD2						3 – ETR		
84			I/O	FT	PD3	(2 – CTS)							
85			I/O	FT	PD4	(2 – RTS)							
86			I/O	FT	PD5	(2 – Tx)							
87			I/O	FT	PD6	(2 – Rx)							
88			I/O	FT	PD7	(2 – CK)							
89	55	39	I/O	FT	JTDO (PB3)		(1 – SCK)				(2 – Ch2)		(TraceSWO)
90	56	40	I/O	FT	JTRST (PB4)		(1 – MISO)				(2 – Ch1)		
91	57	41	I/O		PB5			1 – SMBAI					
92	58	42	I/O	FT	PB6	(1 – Tx)		1 – SCL			4 – Ch1		
93	59	43	I/O	FT	PB7	(1 – Rx)		1 – SDA			4 – Ch2		
94	60	44	I		Boot0								
95	61	45	I/O	FT	PB8			(1 – SCL)	(Rx)		4 – Ch3		
96	62	46	I/O	FT	PB9			(1 – SDA)	(Tx)		4 – Ch4		
97			I/O	FT	PE0						4 – ETR		
98			I/O	FT	PE10								
99	63	47			Vss_3								
100	64	48			Vdd_3								

103 by Port

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23	14	10	I/O		PA0	2 – CTS					2 – Ch1/ETR	12 – In0	WKUP
24	15	11	I/O		PA1	2 – RTS					2 – Ch2	12 – In1	
25	16	12	I/O		PA2	2 – Tx					2 – Ch3	12 – In2	
26	17	13	I/O		PA3	2 – Rx					2 – Ch4	12 – In3	
29	20	14	I/O		PA4	2 – CK	1 – SS					12 – In4	
30	21	15	I/O		PA5		1 – SCK					12 – In5	
31	22	16	I/O		PA6		1 – MISO				3 – Ch1 (1 – BKIN)	12 – In6	
32	23	17	I/O		PA7		1 – MOSI				3 – Ch2 (1 – Ch1N)	12 – In7	
67	41	29	I/O	FT	PA8	1 – CK					1 – Ch1		MCO
68	42	30	I/O	FT	PA9	1 – Tx					1 – Ch2		
69	43	31	I/O	FT	PA10	1 – Rx					1 – Ch3		
70	44	32	I/O	FT	PA11	1 – CTS			Rx	DM	1 – Ch4		
71	45	33	I/O	FT	PA12	1 – RTS			Tx	DP	1 – ETR		
72	46	34	I/O	FT	JTMS/SWDIO (PA13)								
76	49	37	I/O	FT	JTCK/SWCLK (PA14)								
77	50	38	I/O	FT	JTDI (PA15)		(1 – SS)				(2 – Ch1/ETR)		
35	26	18	I/O		PB0						3 – Ch3 (1 – Ch2N)	12 – In8	
36	27	19	I/O		PB1						3 – Ch4 (1 – Ch3N)	12 – In9	
37	28	20	I/O	FT	PB2 / Boot1								
89	55	39	I/O	FT	JTDO (PB3)		(1 – SCK)				(2 – Ch2)		(TraceSWO)
90	56	40	I/O	FT	JTRST (PB4)		(1 – MISO)				(2 – Ch1)		
91	57	41	I/O		PB5			1 – SMBAL					
92	58	42	I/O	FT	PB6	(1 – Tx)		1 – SCL			4 – Ch1		
93	59	43	I/O	FT	PB7	(1 – Rx)		1 – SDA			4 – Ch2		
95	61	45	I/O	FT	PB8			(1 – SCL) (Rx)			4 – Ch3		
96	62	46	I/O	FT	PB9			(1 – SDA) (Tx)			4 – Ch4		
47	29	21	I/O	FT	PB10	3 – Tx		2 – SCL			2 – Ch3		
48	30	22	I/O	FT	PB11	3 – Rx		2 – SDA			2 – Ch4		
51	33	25	I/O	FT	PB12	3 – CK	2 – SS	1 – SMBAL			1 – BKIN		
52	34	26	I/O	FT	PB13	3 – CTS	2 – SCK				1 – Ch1N		
53	35	27	I/O	FT	PB14	3 – RTS	2 – MISO				1 – Ch2N		
54	36	28	I/O	FT	PB15		2 – MOSI				1 – Ch3N		
15	8		I/O		PC0							12 – In10	
16	9		I/O		PC1							12 – In11	
17	10		I/O		PC2							12 – In12	
18	11		I/O		PC3							12 – In13	
33	24		I/O		PC4							12 – In14	
34	25		I/O		PC5							12 – In15	
63	37		I/O	FT	PC6						(3 – Ch1)		
64	38		I/O	FT	PC7						(3 – Ch2)		
65	39		I/O	FT	PC8						(3 – Ch3)		
66	40		I/O	FT	PC9						(3 – Ch4)		
78	51		I/O	FT	PC10	(3 – Tx)							
79	52		I/O	FT	PC11	(3 – Rx)							
80	53		I/O	FT	PC12	(3 – CK)							
7	2	2	I/O		PC13								Tamper-RTC
8	3	3	I/O		PC14								Osc32-In
9	4	4	I/O		PC15								Osc32-Out
83	54		I/O	FT	PD2						3 – ETR		

103 by Port

84			I/O	FT	PD3	(2 – CTS)		
85			I/O	FT	PD4	(2 – RTS)		
86			I/O	FT	PD5	(2 – Tx)		
87			I/O	FT	PD6	(2 – Rx)		
88			I/O	FT	PD7	(2 – CK)		
55			I/O	FT	PD8	(3 – Tx)		
56			I/O	FT	PD9	(3 – Rx)		
57			I/O	FT	PD10	(3 – CK)		
58			I/O	FT	PD11	(3 – CTS)		
59			I/O	FT	PD12	(3 – RTS)	(4 – Ch1)	
60			I/O	FT	PD13		(4 – Ch2)	
61			I/O	FT	PD14		(4 – Ch3)	
62			I/O	FT	PD15		(4 – Ch4)	
97			I/O	FT	PE0		4 – ETR	
98			I/O	FT	PE1			
1			I/O	FT	PE2			TraceCK
2			I/O	FT	PE3			TraceD0
3			I/O	FT	PE4			TraceD1
4			I/O	FT	PE5			TraceD2
5			I/O	FT	PE6			TraceD3
38			I/O	FT	PE7	(1 – ETR)		
39			I/O	FT	PE8	(1 – Ch1N)		
40			I/O	FT	PE9	(1 – Ch1)		
41			I/O	FT	PE10	(1 – Ch2N)		
42			I/O	FT	PE11	(1 – Ch2)		
43			I/O	FT	PE12	(1 – Ch3N)		
44			I/O	FT	PE13	(1 – Ch3)		
45			I/O	FT	PE14	(1 – Ch4)		
46			I/O	FT	PE15	(1 – BKIN)		
6	1	1			Vbat			
20					Vref-			
21					Vref+			
94	60	44	I		Boot0			
81			I/O	FT	Osc-In	(Rx)		
12			I		Osc-In			
	5	5	I/O	FT	Osc-In	(Rx)		
	6	6	I/O	FT	Osc-Out	(Tx)		
13			O		Osc-Out			
82			I/O	FT	Osc-Out	(Tx)		
14	7	7	I/O		Reset			