

Pin Name	DEFAULT	ALTO	ALT1	ALT2	ALT3	ALT4	ALT5	ALT6	ALT7	EXPORT	Pinout
1	PT26/CLKOUT32K	ADCL SE46	ADCL SE46	PT26/CLKOUT32K	SPD SCOUT	UART1 TX	SDIO D1	TRACE CLKOUT	ICL2 SDA	RTC CLKOUT	1
2	PT27/LWU P0	ADCL SE47	ADCL SE47	PT27/LWU P0	SPD SCOUT	UART1 RX	SDIO D0	TRACE CLKOUT	ICL2 SCL	SPD SCOUT	2
3	PT28/LWU P1	ADCO DP2/ADCL SE48	ADCO DP2/ADCL SE48	PT28/LWU P1	SPD SCOUT	UART1 CTS b	SDIO DCLK	TRACE D0	ICL2 SCL	SPD SCOUT	3
4	PT29	ADCO DM2/ADCL SE73	ADCO DM2/ADCL SE73	PT29	SPD SCOUT	UART1 RTS b	SDIO CMD	TRACE D1	ICL2 SCL	SPD SCOUT	4
5	PT30/LWU P2	DISABLED	DISABLED	PT30/LWU P2	SPD SCOUT	UART1 TX	SDIO D0	TRACE D0	ICL2 SCL	SPD SCOUT	5
6	PT31	DISABLED	DISABLED	PT31	SPD SCOUT	UART1 RX	SDIO D2	TRACE D0	ICL2 SCL	SPD SCOUT	6
7	PT32	DISABLED	DISABLED	PT32	SPD SCOUT	UART1 CTS b	SDIO DCLK	TRACE D0	ICL2 SCL	SPD SCOUT	7
8	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	8
9	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	9
10	USBD_DP	USBD_DP	USBD_DP	USBD_DP	USBD_DP	USBD_DP	USBD_DP	USBD_DP	USBD_DP	USBD_DP	10
11	USBD_DM	USBD_DM	USBD_DM	USBD_DM	USBD_DM	USBD_DM	USBD_DM	USBD_DM	USBD_DM	USBD_DM	11
12	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	12
13	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	VREFIN	13
14	ADCO DP1	ADCO DP1	ADCO DP1	ADCO DP1	ADCO DP1	ADCO DP1	ADCO DP1	ADCO DP1	ADCO DP1	ADCO DP1	14
15	ADCO DM1	ADCO DM1	ADCO DM1	ADCO DM1	ADCO DM1	ADCO DM1	ADCO DM1	ADCO DM1	ADCO DM1	ADCO DM1	15
16	ADCL DP1	ADCL DP1	ADCL DP1	ADCL DP1	ADCL DP1	ADCL DP1	ADCL DP1	ADCL DP1	ADCL DP1	ADCL DP1	16
17	ADCL DM1	ADCL DM1	ADCL DM1	ADCL DM1	ADCL DM1	ADCL DM1	ADCL DM1	ADCL DM1	ADCL DM1	ADCL DM1	17
18	ADCO DP2/ADCL DP1	ADCO DP2/ADCL DP1	ADCO DP2/ADCL DP1	ADCO DP2/ADCL DP1	ADCO DP2/ADCL DP1	ADCO DP2/ADCL DP1	ADCO DP2/ADCL DP1	ADCO DP2/ADCL DP1	ADCO DP2/ADCL DP1	ADCO DP2/ADCL DP1	18
19	ADCO DM2/ADCL DM1	ADCO DM2/ADCL DM1	ADCO DM2/ADCL DM1	ADCO DM2/ADCL DM1	ADCO DM2/ADCL DM1	ADCO DM2/ADCL DM1	ADCO DM2/ADCL DM1	ADCO DM2/ADCL DM1	ADCO DM2/ADCL DM1	ADCO DM2/ADCL DM1	19
20	ADCL DP2/ADCO DP1	ADCL DP2/ADCO DP1	ADCL DP2/ADCO DP1	ADCL DP2/ADCO DP1	ADCL DP2/ADCO DP1	ADCL DP2/ADCO DP1	ADCL DP2/ADCO DP1	ADCL DP2/ADCO DP1	ADCL DP2/ADCO DP1	ADCL DP2/ADCO DP1	20
21	ADCL DM2/ADCO DM1	ADCL DM2/ADCO DM1	ADCL DM2/ADCO DM1	ADCL DM2/ADCO DM1	ADCL DM2/ADCO DM1	ADCL DM2/ADCO DM1	ADCL DM2/ADCO DM1	ADCL DM2/ADCO DM1	ADCL DM2/ADCO DM1	ADCL DM2/ADCO DM1	21
22	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	22
23	VREFH	VREFH	VREFH	VREFH	VREFH	VREFH	VREFH	VREFH	VREFH	VREFH	23
24	VREFL	VREFL	VREFL	VREFL	VREFL	VREFL	VREFL	VREFL	VREFL	VREFL	24
25	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	25
26	VREF OUT/CMP1 IN/ADCL SE18	VREF OUT/CMP1 IN/ADCL SE18	VREF OUT/CMP1 IN/ADCL SE18	VREF OUT/CMP1 IN/ADCL SE18	VREF OUT/CMP1 IN/ADCL SE18	VREF OUT/CMP1 IN/ADCL SE18	VREF OUT/CMP1 IN/ADCL SE18	VREF OUT/CMP1 IN/ADCL SE18	VREF OUT/CMP1 IN/ADCL SE18	VREF OUT/CMP1 IN/ADCL SE18	26
27	DACD OUT/CMP1 IN/ADCO SE23	DACD OUT/CMP1 IN/ADCO SE23	DACD OUT/CMP1 IN/ADCO SE23	DACD OUT/CMP1 IN/ADCO SE23	DACD OUT/CMP1 IN/ADCO SE23	DACD OUT/CMP1 IN/ADCO SE23	DACD OUT/CMP1 IN/ADCO SE23	DACD OUT/CMP1 IN/ADCO SE23	DACD OUT/CMP1 IN/ADCO SE23	DACD OUT/CMP1 IN/ADCO SE23	27
28	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	28
29	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	EXTAL2	29
30	VBAT	VBAT	VBAT	VBAT	VBAT	VBAT	VBAT	VBAT	VBAT	VBAT	30
31	PT24	ADCO SE17	ADCO SE17	PT24	ADCO SE17	ADCO SE17	ADCO SE17	ADCO SE17	ADCO SE17	ADCO SE17	31
32	PT25	ADCO SE18	ADCO SE18	PT25	ADCO SE18	ADCO SE18	ADCO SE18	ADCO SE18	ADCO SE18	ADCO SE18	32
33	PT26/CLKOUT32K	DISABLED	DISABLED	PT26/CLKOUT32K	ENET 1588 CLIN	UART1 CTS b	SDIO D1	TRACE CLKOUT	ICL2 SDA	RTC CLKOUT	33
34	PTA0	ITAG TCLK/SWD CLK/ZP CLK	ITAG TCLK/SWD CLK/ZP CLK	PTA0	UART0 CTS b/UART0 COL b	FTM0 CH0	SDIO D0	TRACE CLKOUT	ICL2 SCL	SPD SCOUT	34
35	PTA1	ITAG TCLK/SWD CLK/ZP CLK	ITAG TCLK/SWD CLK/ZP CLK	PTA1	UART0 RX	FTM0 CH1	SDIO D0	TRACE CLKOUT	ICL2 SCL	SPD SCOUT	35
36	PTA2	ITAG TCLK/SWD CLK/ZP CLK	ITAG TCLK/SWD CLK/ZP CLK	PTA2	UART0 TX	FTM0 CH2	SDIO D0	TRACE CLKOUT	ICL2 SCL	SPD SCOUT	36
37	PTA3	ITAG TCLK/SWD CLK/ZP CLK	ITAG TCLK/SWD CLK/ZP CLK	PTA3	UART0 RTS b	FTM0 CH3	SDIO D0	TRACE CLKOUT	ICL2 SCL	SPD SCOUT	37
38	PTA4/LWU P3	NMI B/UTP CS b	NMI B/UTP CS b	PTA4/LWU P3	FTM0 CH4	FTM0 CH4	FTM0 CH4	FTM0 CH4	FTM0 CH4	FTM0 CH4	38
39	PTA5	DISABLED	DISABLED	PTA5	USBD CLKIN	FTM0 CH5	FTM0 CH5	FTM0 CH5	FTM0 CH5	FTM0 CH5	39
40	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	40
41	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	41
42	PTA12	CMP1 IN0	CMP1 IN0	PTA12	CAND TX	FTM1 CH0	FTM1 CH0	FTM1 CH0	FTM1 CH0	FTM1 CH0	42
43	PTA13/LWU P4	CMP2 IN1	CMP2 IN1	PTA13/LWU P4	CAND RX	FTM1 CH1	FTM1 CH1	FTM1 CH1	FTM1 CH1	FTM1 CH1	43
44	PTA14	DISABLED	DISABLED	PTA14	SPD SCOUT	FTM1 CH2	FTM1 CH2	FTM1 CH2	FTM1 CH2	FTM1 CH2	44
45	PTA15	DISABLED	DISABLED	PTA15	SPD SCOUT	FTM1 CH3	FTM1 CH3	FTM1 CH3	FTM1 CH3	FTM1 CH3	45
46	PTA16	DISABLED	DISABLED	PTA16	UART0 CTS b/UART0 COL b	FTM1 CH4	FTM1 CH4	FTM1 CH4	FTM1 CH4	FTM1 CH4	46
47	PTA17	ADCL SE17	ADCL SE17	PTA17	SPD SCOUT	FTM1 CH5	FTM1 CH5	FTM1 CH5	FTM1 CH5	FTM1 CH5	47
48	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	48
49	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	49
50	PTA18	EXTAL0	EXTAL0	PTA18	FTM0 FLT2	FTM CLKIN0	FTM CLKIN0	FTM CLKIN0	FTM CLKIN0	FTM CLKIN0	50
51	PTA19	EXTAL0	EXTAL0	PTA19	FTM1 FLT0	FTM CLKIN1	FTM CLKIN1	FTM CLKIN1	FTM CLKIN1	FTM CLKIN1	51
52	RESET b	RESET b	RESET b	RESET b	RESET b	RESET b	RESET b	RESET b	RESET b	RESET b	52
53	PTB0/LWU P5	ADCO SE8/ADCL SE8	ADCO SE8/ADCL SE8	PTB0/LWU P5	ICD2 SCL	FTM1 CH0	FTM1 CH0	FTM1 CH0	FTM1 CH0	FTM1 CH0	53
54	PTB1	ADCO SE9/ADCL SE9	ADCO SE9/ADCL SE9	PTB1	ICD2 SDA	FTM1 CH1	FTM1 CH1	FTM1 CH1	FTM1 CH1	FTM1 CH1	54
55	PTB2	ADCO SE12	ADCO SE12	PTB2	ICD2 SDA	FTM1 CH2	FTM1 CH2	FTM1 CH2	FTM1 CH2	FTM1 CH2	55
56	PTB3	ADCO SE13	ADCO SE13	PTB3	ICD2 SDA	FTM1 CH3	FTM1 CH3	FTM1 CH3	FTM1 CH3	FTM1 CH3	56
57	PTB8	DISABLED	DISABLED	PTB8	SPD SCOUT	FTM1 CH4	FTM1 CH4	FTM1 CH4	FTM1 CH4	FTM1 CH4	57
58	PTB10	ADCL SE14	ADCL SE14	PTB10	SPD SCOUT	FTM1 CH5	FTM1 CH5	FTM1 CH5	FTM1 CH5	FTM1 CH5	58
59	PTB11	ADCL SE15	ADCL SE15	PTB11	SPD SCOUT	FTM1 CH6	FTM1 CH6	FTM1 CH6	FTM1 CH6	FTM1 CH6	59
60	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	60
61	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	61
62	PTB16	DISABLED	DISABLED	PTB16	SPD SCOUT	FTM1 CH7	FTM1 CH7	FTM1 CH7	FTM1 CH7	FTM1 CH7	62
63	PTB17	DISABLED	DISABLED	PTB17	SPD SCOUT	FTM1 CH8	FTM1 CH8	FTM1 CH8	FTM1 CH8	FTM1 CH8	63
64	PTB18	DISABLED	DISABLED	PTB18	CAND TX	FTM2 CH0	FTM2 CH0	FTM2 CH0	FTM2 CH0	FTM2 CH0	64
65	PTB19	DISABLED	DISABLED	PTB19	CAND RX	FTM2 CH1	FTM2 CH1	FTM2 CH1	FTM2 CH1	FTM2 CH1	65
66	PTB20	DISABLED	DISABLED	PTB20	SPD SCOUT	FTM2 CH2	FTM2 CH2	FTM2 CH2	FTM2 CH2	FTM2 CH2	66
67	PTB21	DISABLED	DISABLED	PTB21	SPD SCOUT	FTM2 CH3	FTM2 CH3	FTM2 CH3	FTM2 CH3	FTM2 CH3	67
68	PTB22	DISABLED	DISABLED	PTB22	SPD SCOUT	FTM2 CH4	FTM2 CH4	FTM2 CH4	FTM2 CH4	FTM2 CH4	68
69	PTB23	DISABLED	DISABLED	PTB23	SPD SCOUT	FTM2 CH5	FTM2 CH5	FTM2 CH5	FTM2 CH5	FTM2 CH5	69
70	PTC0	ADCO SE14	ADCO SE14	PTC0	SPD SCOUT	FTM2 CH6	FTM2 CH6	FTM2 CH6	FTM2 CH6	FTM2 CH6	70
71	PTC1/LWU P6	ADCO SE15	ADCO SE15	PTC1/LWU P6	SPD SCOUT	FTM2 CH7	FTM2 CH7	FTM2 CH7	FTM2 CH7	FTM2 CH7	71
72	PTC2	ADCO SE16/ADCL IN0	ADCO SE16/ADCL IN0	PTC2	SPD SCOUT	FTM2 CH8	FTM2 CH8	FTM2 CH8	FTM2 CH8	FTM2 CH8	72
73	PTC3/LWU P7	CMP1 IN1	CMP1 IN1	PTC3/LWU P7	SPD SCOUT	FTM2 CH9	FTM2 CH9	FTM2 CH9	FTM2 CH9	FTM2 CH9	73
74	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	74
75	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	75
76	PTC3/LWU P8	DISABLED	DISABLED	PTC3/LWU P8	SPD SCOUT	FTM2 CH10	FTM2 CH10	FTM2 CH10	FTM2 CH10	FTM2 CH10	76
77	PTC3/LWU P9	DISABLED	DISABLED	PTC3/LWU P9	SPD SCOUT	FTM2 CH11	FTM2 CH11	FTM2 CH11	FTM2 CH11	FTM2 CH11	77
78	PTC3/LWU P10	CMP0 IN0	CMP0 IN0	PTC3/LWU P10	SPD SCOUT	FTM2 CH12	FTM2 CH12	FTM2 CH12	FTM2 CH12	FTM2 CH12	78
79	PTC7	CMP0 IN1	CMP0 IN1	PTC7	SPD SCOUT	FTM2 CH13	FTM2 CH13	FTM2 CH13	FTM2 CH13	FTM2 CH13	79
80	PTC8	ADCL SE16/ADCL IN2	ADCL SE16/ADCL IN2	PTC8	SPD SCOUT	FTM2 CH14	FTM2 CH14	FTM2 CH14	FTM2 CH14	FTM2 CH14	80
81	PTC9	ADCL SE16/ADCL IN3	ADCL SE16/ADCL IN3	PTC9	SPD SCOUT	FTM2 CH15	FTM2 CH15	FTM2 CH15	FTM2 CH15	FTM2 CH15	81
82	PTC10	ADCL SE17	ADCL SE17	PTC10	SPD SCOUT	FTM2 CH16	FTM2 CH16	FTM2 CH16	FTM2 CH16	FTM2 CH16	82
83	PTC11/LWU P11	ADCL SE17	ADCL SE17	PTC11/LWU P11	SPD SCOUT	FTM2 CH17	FTM2 CH17	FTM2 CH17	FTM2 CH17	FTM2 CH17	83
84	PTC12	DISABLED	DISABLED	PTC12	SPD SCOUT	FTM2 CH18	FTM2 CH18	FTM2 CH18	FTM2 CH18	FTM2 CH18	84
85	PTC13	DISABLED	DISABLED	PTC13	SPD SCOUT	FTM2 CH19	FTM2 CH19	FTM2 CH19	FTM2 CH19	FTM2 CH19	85
86	PTC14	DISABLED	DISABLED	PTC14	SPD SCOUT	FTM2 CH20	FTM2 CH20	FTM2 CH20	FTM2 CH20	FTM2 CH20	86
87	PTC15	DISABLED	DISABLED	PTC15	SPD SCOUT	FTM2 CH21	FTM2 CH21	FTM2 CH21	FTM2 CH21	FTM2 CH21	87
88	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	88
89	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	VSS	89
90	PTC16	DISABLED	DISABLED	PTC16	SPD SCOUT	FTM2 CH22	FTM2 CH22	FTM2 CH22	FTM2 CH22	FTM2 CH22	90
91	PTC17	DISABLED	DISABLED	PTC17	SPD SCOUT	FTM2 CH23	FTM2 CH23	FTM2 CH23	FTM2 CH23	FTM2 CH23	91
92	PTC18	DISABLED	DISABLED	PTC18	SPD SCOUT	FTM2 CH24	FTM2 CH24	FTM2 CH24	FTM2 CH24	FTM2 CH24	92
93	PTD0/LWU P12	ADCO SE16	ADCO SE16	PTD0/LWU P12	SPD SCOUT	FTM2 CH25	FTM2 CH25	FTM2 CH25	FTM2 CH25	FTM2 CH25	93
94	PTD1	ADCO SE16	ADCO SE16	PTD1	SPD SCOUT	FTM2 CH26	FTM2 CH26	FTM2 CH26	FTM2 CH26	FTM2 CH26	94
95	PTD2/LWU P13	DISABLED	DISABLED	PTD2/LWU P13	SPD SCOUT	FTM2 CH27	FTM2 CH27	FTM2 CH27	FTM2 CH27	FTM2 CH27	95
96	PTD3	DISABLED	DISABLED	PTD3	SPD SCOUT	FTM2 CH28	FTM2 CH28	FTM2 CH28	FTM2 CH28	FTM2 CH28	96
97	PTD4/LWU P14	DISABLED	DISABLED	PTD4/LWU P14	SPD SCOUT	FTM2 CH29	FTM2 CH29	FTM2 CH29	FTM2 CH29	FTM2 CH29	97
98	PTD5	ADCO SE16	ADCO SE16	PTD5	SPD SCOUT	FTM2 CH30	FTM2 CH30	FTM2 CH30	FTM2 CH30	FTM2 CH30	98
99	PTD6/LWU P15	ADCO SE16	ADCO SE16	PTD6/LWU P15	SPD SCOUT	FTM2 CH31	FTM2 CH31	FTM2 CH31	FTM2 CH31	FTM2 CH31	99
100	PTD7	DISABLED	DISABLED	PTD7	SPD SCOUT	FTM2 CH32	FTM2 CH32	FTM2 CH32	FTM2 CH32	FTM2 CH32	100

Color assignment

