SC20100S/B Pinout

100S	100B	I/O	Function
1	A3	PE2	QSPI IO2
2	B3	PE3	LDR
3	C3	PE4	
4	D3	PE5	PWM15.1
5	E3	PE6	PWM15.2
6	B2		VBAT
7	A2	PC13	TAMPER
8	A1		OSC32 IN
9	B1		OSC32 OUT
10	J1		VSS
11	K1		VDD
12	C1		OSC IN
13	D1		OSC OUT
14	E1		NRST
15	F1	PC0	ADC123.10
16	F2	PC1	ADC123.11 · ETH MDC
17	E2	PC2	ADC3.0
18	F3	PC3	ADC3.1
19	G1		VSSA
20	F7		VREF+(S)/PDR_ON(B)*
21	H1		VDDA
22	G2	PA0	PWM5.1 · ADC1.16 · WKUP
23	H2	PA1	ETH REF CLK
24	J2	PA2	ETH MDIO
25	K2	PA3	PWM2.4 · ADC12.15
26	C2		VSS
27	D2		VDD
28	G3	PA4	ADC12.18 · DAC1
29	H3	PA5	SPI6 SCK · ADC12.19 · DAC2
30	J3	PA6	SPI6 MISO · PWM13.1 · ADC12. 3
31	K3	PA7	SPI6 MOSI · PWM14.1 · ADC12.7 · ETH DV
32	G4	PC4	ETH RXD0
33	H4	PC5	ETH RXD1
34	J4	PB0	UART4 CTS · PWM3.3 · ADC12.9
35	K4	PB1	PWM3.4 · ADC12.5
36	G5	PB2	QSPI CLK
37	H5	PE7	UART7 RX
38	J5	PE8	UART7 TX
39	K5	PE9	UART7 RTS
40	G6	PE10	UART7 CTS
41	H6	PE11	PWM1.2
42	J6	PE12	SPI4 SCK
43	K6	PE13	SPI4 MISO
44	G7	PE14	SPI4 MOSI
45	H7	PE15	
46	J7	PB10	I2C2 SCL · ETH RX ER
47	K7	PB11	I2C2 SDA · ETH TX EN
48	E7		VCAP
49	E5		VSS
50	F5		VDD
51	K8	PB12	CAN2 RX · UART5 RX · ETH TXD0
52	J8	PB13	CAN2 TX · UART5 TX · ETH TXD1
53	H10		USBH N
54	G10		USBH P
55	K9	PD8	UART3 TX
56	J9	PD9	UART3 RX
57	H9	PD10	
58	G9	PD11	QSPI IO0
59	K10	PD12	QSPI IO1
60	J10	PD13	QSPI IO3
61	H8	PD14	
62	G8	PD15	
63	F10	PC6	UART6 TX · PWM3.1
64	E10	PC7	UART6 RX · PWM3.2
65	F9	PC8	SDMMC1 D0 · UART5 RTS
66	E9	PC9	SDMMC1 D1 · UART5 CTS
67	D9	PA8	
68	C9	PA9	UART1 TX
69	D10	PA10	UART1 RX
70	C10		USBC N
71	B10		USBC P
72	A10	PA13	
73	F8		VCAP
74	E4		VSS
75	F4		VDD(S)/VDDLDO(B)*
76	A9	PA14	
77	A8	PA15	UART4 RTS · PWM2.1
78	B9	PC10	SDMMC1 D2
79	B8	PC11	SDMMC1 D3
80	C8	PC12	SDMMC1 CK
81	D8	PD0	UART4 RX · CAN1 RX
82	E8	PD1	UART4 TX · CAN1 TX
83	B7	PD2	SDMMC1 CMD
84	C7	PD3	UART2 CTS
85	D7	PD4	UART2 RTS
86	B6	PD5	UART2 TX
87	C6	PD6	UART2 RX
88	D6	PD7	MOD
89	A7	PB3	SPI3 SCK · PWM2.2
90	A6	PB4	SPI3 MISO
91	C5	PB5	SPI3 MOSI
92	B5	PB6	QSPI NCS
93	A5	PB7	PWM4.2 · APP
94	D5		RESERVED pull to GND
95	B4	PB8	I2C1 SCL · PWM16.1
96	A4	PB9	I2C1 SDA · PWM17.1
97	D4	PE0	UART8 RX
98	C4	PE1	UART8 TX
99	E6		Vss
100	F6		VDD(S)/VDD33USB(B)*

* Connect to VDD on both S or B packages