# SC20100S Pinout

| Pin | Name | Function | | | Pin | Name | Function | | | | Pin | Name | Function | | | Pin | Name | Function | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PE2 | QSPI IO2 | | | 26 | Vss | Vss | | | | 51 | PB12 | CAN2 RX | UART5 RX | ETH TXD0 | 76 | PA14 | | |
| 2 | PE3 | LDR | | | 27 | Vdd | Vdd | | | | 52 | PB13 | CAN2 TX | UART5 TX | ETH TXD1 | 77 | PA15 | UART4 RTS | PWM2.1 |
| 3 | PE4 | | | | 28 | PA4 | ADC12.18 | | DAC1 | | 53 | PB14 | USBH N | | | 78 | PC10 | SDMMC1 D2 | UART3 TX |
| 4 | PE5 | PWM15.1 | | | 29 | PA5 | SPI6 SCK | ADC12.19 | DAC2 | | 54 | PB15 | USBH P | | | 79 | PC11 | SDMMC1 D3 | UART3 RX |
| 5 | PE6 | PWM15.2 | | | 30 | PA6 | SPI6 MISO | PWM13.1 | ADC12.3 | | 55 | PD8 | UART3 TX | | | 80 | PC12 | SDMMC1 CK | |
| 6 | Vbat | Vbat | | | 31 | PA7 | SPI6 MOSI | PWM14.1 ADC12.7 | ETH DV | | 56 | PD9 | UART3 RX | | | 81 | PD0 | CAN1 RX | UART4 RX |
| 7 | PC13 | TAMPER | | | 32 | PC4 | ETH RXD0 | | | | 57 | PD10 | | | | 82 | PD1 | CAN1 TX | UART4 TX |
| 8 | PC14 | OSC32 IN | | | 33 | PC5 | ETH RXD1 | | | | 58 | PD11 | QSPI IO0 | | | 83 | PD2 | SDMMC1 CMD | |
| 9 | PC15 | OSC32 OUT | | | 34 | PB0 | UART4 CTS | PWM3.3 | ADC12.9 | | 59 | PD12 | QSPI IO1 | | | 84 | PD3 | UART2 CTS | |
| 10 | Vss | Vss | | | 35 | PB1 | PWM3.4 | | ADC12.5 | | 60 | PD13 | QSPI IO3 | | | 85 | PD4 | UART2 RTS | |
| 11 | Vdd | Vdd | | | 36 | PB2 | QSPI CLK | | | | 61 | PD14 | | | | 86 | PD5 | UART2 TX | |
| 12 | PH0 | OSC IN | | | 37 | PE7 | UART7 RX | | | | 62 | PD15 | | | | 87 | PD6 | UART2 RX | |
| 13 | PH1 | OSC OUT | | | 38 | PE8 | UART7 TX | | | | 63 | PC6 | UART6 TX | | PWM3.1 | 88 | PD7 | MOD | |
| 14 | NRST | NRST | | | 39 | PE9 | UART7 RTS | | | | 64 | PC7 | UART6 RX | | PWM3.2 | 89 | PB3 | SPI3 SCK | PWM2.2 |
| 15 | PC0 | ADC123.10 | | | 40 | PE10 | UART7 CTS | | | | 65 | PC8 | SDMMC1 D0 | | UART5 RTS | 90 | PB4 | SPI3 MISO | |
| 16 | PC1 | ETH MDC | | | 41 | PE11 | PWM1.2 | | | | 66 | PC9 | SDMMC1 D1 | | UART5 CTS | 91 | PB5 | SPI3 MOSI | |
| 17 | PC2_C | ADC3.0 | | | 42 | PE12 | SPI4 SCK | | | | 67 | PA8 | | | | 92 | PB6 | QSPI NCS | |
| 18 | PC3_C | ADC3.1 | | | 43 | PE13 | SPI4 MISO | | | | 68 | PA9 | UART1 TX | | | 93 | PB7 | PWM4.2 | APP |
| 19 | Vssa | Vssa | | | 44 | PE14 | SPI4 MOSI | | | | 69 | PA10 | UART1 RX | | | 94 | | RESERVED connect to Vdd | |
| 20 | Vref+ | Vref+ | | | 45 | PE15 | | | | | 70 | PA11 | USBC N | | | 95 | PB8 | I2C1 SCL | PWM16.1 |
| 21 | Vdda | Vdda | | | 46 | PB10 | I2C2 SCL | | ETH RX ER | | 71 | PA12 | USBC P | | | 96 | PB9 | I2C1 SDA | PWM17.1 |
| 22 | PA0 | PWM5.1 | ADC1.16 | WKUP | 47 | PB11 | I2C2 SDA | | ETH TX EN | | 72 | PA13 | | | | 97 | PE0 | UART8 RX | |
| 23 | PA1 | ETH REF CLK | | | 48 | Vcap | Vcap | | | | 73 | Vcap | Vcap | | | 98 | PE1 | UART8 TX | |
| 24 | PA2 | ETH MDIO | | | 49 | Vss | Vss | | | | 74 | Vss | Vss | | | 99 | Vss | Vss | |
| 25 | PA3 | PWM2.4 | ADC12.15 | | 50 | Vdd | Vdd | | | | 75 | Vdd | Vdd | | | 100 | Vdd | Vdd | |