

# SCM20100E Pinout

| Pad | Name | Function         |          |         | Pad | Name     | Function          |         |    | Pad  | Name      | Function   |           |    |     |           |           |  |
|-----|------|------------------|----------|---------|-----|----------|-------------------|---------|----|------|-----------|------------|-----------|----|-----|-----------|-----------|--|
| 1   |      | Analog GND       |          |         | 22  |          | ETH PHY LED SPEED |         |    | 43   | PA9       | UART1 TX   |           |    |     |           |           |  |
| 2   |      | Analog 3.3V      |          |         | 23  | PE2      | QSPI IO2          |         |    | 44   | PA10      | UART1 RX   |           |    |     |           |           |  |
| 3   |      | VBAT             |          |         | 24  | PD13     | QSPI IO3          |         |    | 45   |           | USBC N     |           |    |     |           |           |  |
| 4   |      |                  |          |         | PE3 | LDR      |                   |         | 25 | PD12 | QSPI IO1  |            |           | 46 |     | USBC P    |           |  |
| 5   |      |                  |          |         |     | RESERVED |                   |         | 26 | PD11 | QSPI IO0  |            |           | 47 | PC8 | SMDDC1 D0 | UART5 RTS |  |
| 6   |      | RESET            |          |         | 27  | PB6      | QSPI NCS          |         |    | 48   | PC9       | SDMMC1 D1  | UART5 CTS |    |     |           |           |  |
| 7   | PA6  | SPI6 MISO        | PWM13.1  | ADC12.3 | 28  | PB2      | QSPI CLK          |         |    | 49   | PC10      | SDMMC1 D2  |           |    |     |           |           |  |
| 8   | PA4  | ADC12.18         |          | DAC1    | 29  | PD7      | MOD               |         |    | 50   | PC11      | SDMMC1 D3  |           |    |     |           |           |  |
| 9   | PA5  | SPI6 SCK         | ADC12.19 | DAC2    | 30  | PE11     | PWM1.2            |         |    | 51   | PC12      | SDMMC1 CK  |           |    |     |           |           |  |
| 10  | PA0  | PWM5.1           | ADC1.16  | WKUP    | 31  |          | GND               |         |    | 52   | PD2       | SDMMC1 CMD |           |    |     |           |           |  |
| 11  | PA3  | PMW2.4           | ADC12.15 |         | 32  |          | 3.3V              |         |    | 53   | PA13      |            |           |    |     |           |           |  |
| 12  | PE12 | SPI4 SCK         |          |         | 33  | PD3      | UART2 CTS         |         |    | 54   | PA14      |            |           |    |     |           |           |  |
| 13  | PE13 | SPI4 MISO        |          |         | 34  | PD4      | UART2 RTS         |         |    | 55   | PB7       | PWM4.2     | APP       |    |     |           |           |  |
| 14  | PE14 | SPI4 MOSI        |          |         | 35  | PD5      | UART2 TX          |         |    | 56   | PA15      | UART4 RTS  | PWM2.1    |    |     |           |           |  |
| 15  | PB0  | UART4 CTS        | PWM3.3   | ADC12.9 | 36  | PD6      | UART2 RX          |         |    | 57   | PB3       | SPI3 SCK   | PWM2.2    |    |     |           |           |  |
| 16  |      | GND              |          |         | 37  | PD1      | UART4 TX          | CAN1 TX | 58 | PB4  | SPI3 MISO |            |           |    |     |           |           |  |
| 17  |      | ETH PHY RX-      |          |         | 38  | PD0      | UART4 RX          | CAN1 RX | 59 | PB5  | SPI3 MOSI |            |           |    |     |           |           |  |
| 18  |      | ETH PHY RX +     |          |         | 39  |          | USBH N            |         |    | 60   | PB8       | I2C1 SCL   | PWM16.1   |    |     |           |           |  |
| 19  |      | ETH PHY TX-      |          |         | 40  |          | USBH P            |         |    | 61   | PB9       | I2C1 SDA   | PWM17.1   |    |     |           |           |  |
| 20  |      | ETH PHY TX+      |          |         | 41  | PC6      | UART6 TX          | PWM3.1  |    |      |           |            |           |    |     |           |           |  |
| 21  |      | ETH PHY LED LINK |          |         | 42  | PC7      | UART6 RX          | PWM3.2  |    |      |           |            |           |    |     |           |           |  |

