

# SC20260B Pinout

| Ball | Name   | Function            | Ball | Name     | Function             | Ball | Name  | Function                 | Ball | Name   | Function                   |
|------|--------|---------------------|------|----------|----------------------|------|-------|--------------------------|------|--------|----------------------------|
| A1   | Vss    | GND                 | E6   | Vdd      | Vdd                  | J11  | Vss   | Vss                      | N16  | Vss    | Vss                        |
| A2   | PI6    | PWM8.2              | E7   | PDR_ON   | PDR_ON               | J12  | NC    | NC                       | N17  | NC     | NC                         |
| A3   | PI5    | PWM8.1              | E8   |          | RESERVED pull to GND | J13  | Vdd   | Vdd                      | P1   | Vssa   | Vssa                       |
| A4   | PI4    | DC D5               | E9   | Vdd      | Vdd                  | J14  | PK0   | SPI5 SCK                 | P2   | PH3    | FMC SDNE0                  |
| A5   | PB5    | SPI3 MOSI           | E10  | PJ13     |                      | J15  | PK1   | LCD G6 PWM1.1            | P3   | PH4    | LCD G5 ADC3.15             |
| A6   | Vddldo | Vddldo              | E11  | Vdd      | Vdd                  | J16  | Vss   | Vss                      | P4   | PH5    | FMC SDNWE                  |
| A7   | Vcap   | Vcap                | E12  | PD1      | FMC D3               | J17  | Vss   | Vss                      | P5   | PI15   | LCD G2                     |
| A8   | PK5    | LCD B6              | E13  | PC8      | SDMMC1 D0 UART5 RTS  | K1   | NRST  | NRST                     | P6   | PJ1    |                            |
| A9   | PG10   | DC D2               | E14  | PC9      | SDMMC1 D1 UART5 CTS  | K2   | PF6   | UART7 RX ADC3.8          | P7   | PF13   | FMC A7                     |
| A10  | PG9    | DC V5               | E15  | PA8      | DC XCLK              | K3   | PF7   | UART7 TX ADC3.3          | P8   | PF14   | FMC A8                     |
| A11  | PD5    | UART2 TX            | E16  |          | USBC P               | K4   | PF8   | UART7 RTS PWM13.1 ADC3.7 | P9   | PE9    | FMC D6                     |
| A12  | PD4    | UART2 RTS           | E17  |          | USBC N               | K5   | Vdd   | Vdd                      | P10  | PE11   | FMC D8                     |
| A13  | PC10   | SDMMC1 D2 USART3 TX | F1   | NC       | NC                   | K6   | NC    | NC                       | P11  | PB10   | I2C2 SCL                   |
| A14  | PA15   | UART4 RTS PWM2.1    | F2   | NC       | NC                   | K7   | Vss   | Vss                      | P12  | PB11   | I2C2 SDA                   |
| A15  | PI1    | SPI2 SCK            | F3   | PI10     | ETH RX ER            | K8   | Vss   | Vss                      | P13  | PH10   | DC D1                      |
| A16  | PI0    | PWM5.4              | F4   | PI11     |                      | K9   | Vss   | Vss                      | P14  | PH11   | PWM5.2                     |
| A17  | Vss    | Vss                 | F5   | Vdd      | Vdd                  | K10  | Vss   | Vss                      | P15  | PD15   | FMC D1                     |
| B1   | Vbat   | Vbat                | F6   | NC       | NC                   | K11  | Vss   | Vss                      | P16  | PD14   | FMC D0                     |
| B2   | Vss    | Vss                 | F7   | NC       | NC                   | K12  | NC    | NC                       | P17  | Vdd    | Vdd                        |
| B3   | PI7    | PWM8.3              | F8   | NC       | NC                   | K13  | Vdd   | Vdd                      | R1   | PC2_C  | ADC3.0                     |
| B4   | PE1    | FMC NBL1            | F9   | NC       | NC                   | K14  | PJ11  | SPI5 MISO PWM1.2         | R2   | PC3_C  | ADC3.1                     |
| B5   | PB6    | QSPI NCS            | F10  | NC       | NC                   | K15  | Vss   | Vss                      | R3   | PA6    | DC PIXCLK PWM13.1 ADC12.3  |
| B6   | Vss    | Vss                 | F11  | NC       | NC                   | K16  | NC    | NC                       | R4   | Vss    | Vss                        |
| B7   | PB4    | SPI3 MISO           | F12  | NC       | NC                   | K17  | NC    | NC                       | R5   | PA7    | ETH CRS DV PWM14.1 ADC12.7 |
| B8   | PK4    | LCD B5              | F13  | PC7      | UART6 RX PWM3.2      | L1   | Vdda  | Vdda                     | R6   | PB2    | QSPI CLK                   |
| B9   | PG11   | ETH TX EN           | F14  | PC6      | UART6 TX PWM3.1      | L2   | PC0   | ADC123.10                | R7   | PF12   | FMC A6                     |
| B10  | PI15   | LCD B3              | F15  | PG8      | FMC SDCLK            | L3   | PF10  | ADC3.6                   | R8   | Vss    | Vss                        |
| B11  | PD6    | UART2 RX            | F16  | PG7      |                      | L4   | PF9   | UART7 CTS PWM14.1 ADC3.2 | R9   | PF15   | FMC A9                     |
| B12  | PD3    | UART2 CTS           | F17  | Vdd33usb | Vdd33usb             | L5   | Vdd   | Vdd                      | R10  | PE12   | FMC D9                     |
| B13  | PC11   | SDMMC1 D3 USART3 RX | G1   | PF2      | FMC A2               | L6   | NC    | NC                       | R11  | PE15   | FMC D12                    |
| B14  | PA14   |                     | G2   | NC       | NC                   | L7   | Vss   | Vss                      | R12  | PJ5    | LCD R6                     |
| B15  | PI2    | SPI2 MISO PWM8.4    | G3   | PF1      | FMC A1               | L8   | Vss   | Vss                      | R13  | PH9    | DC D0 PWM12.2              |
| B16  | PH15   | LCD G4              | G4   | PF0      | FMC A0               | L9   | Vss   | Vss                      | R14  | PH12   | DC D3 PWM5.3               |
| B17  | PH14   | CAN1 RX UART4 RX    | G5   | Vdd      | Vdd                  | L10  | Vss   | Vss                      | R15  | PD11   | QSPI IO0                   |
| C1   | PC15   | OSC32 OUT           | G6   | NC       | NC                   | L11  | Vss   | Vss                      | R16  | PD12   | QSPI IO1                   |
| C2   | PC14   | OSC32 IN            | G7   | Vss      | Vss                  | L12  | NC    | NC                       | R17  | PD13   | QSPI IO3                   |
| C3   | PE2    | QSPI IO2            | G8   | Vss      | Vss                  | L13  | Vdd   | Vdd                      | T1   | PA0_C  | ADC12.0                    |
| C4   | PE0    | FMC NBL0            | G9   | Vss      | Vss                  | L14  | PJ10  | SPI5 MOSI                | T2   | PA1_C  | ADC12.1                    |
| C5   | PB7    | PWM4.2 APP          | G10  | Vss      | Vss                  | L15  | Vss   | Vss                      | T3   | PA5    | ADC12.19 DAC2              |
| C6   | PB3    | SPI3 SCK PWM2.2     | G11  | Vss      | Vss                  | L16  | NC    | NC                       | T4   | PC4    | ETH RXD0                   |
| C7   | PK6    | LCD B7              | G12  | NC       | NC                   | L17  | NC    | NC                       | T5   | PB1    | PWM3.4 ADC12.5             |
| C8   | PK3    | LCD B4              | G13  | Vdd      | Vdd                  | M1   | Vref+ | Vref+                    | T6   | PJ2    | LCD R3                     |
| C9   | PG12   |                     | G14  | PG5      | FMC BA1              | M2   | PC1   | ETH MDC                  | T7   | PF11   | FMC SDNRAS                 |
| C10  | Vss    | Vss                 | G15  | PG6      |                      | M3   | PC2   | ADC123.12                | T8   | PG0    | FMC A10                    |
| C11  | PD7    | MOD                 | G16  | Vss      | Vss                  | M4   | PC3   | ADC12.13                 | T9   | PE8    | FMC D5                     |
| C12  | PC12   | SDMMC1 CK           | G17  | Vdd50usb | Vdd50usb             | M5   | Vdd   | Vdd                      | T10  | PE13   | FMC D10                    |
| C13  | Vss    | Vss                 | H1   | PI12     | LCD HSYNC            | M6   | NC    | NC                       | T11  | PH6    | PWM12.1                    |
| C14  | PI3    | SPI2 MOSI           | H2   | PI13     | LCD VSYNC            | M7   | NC    | NC                       | T12  | Vss    | Vss                        |
| C15  | PA13   |                     | H3   | PI14     | LCD CLK              | M8   | NC    | NC                       | T13  | PH8    | I2C3 SDA                   |
| C16  | Vss    | Vss                 | H4   | PF3      | FMC A3               | M9   | NC    | NC                       | T14  | PB12   | CAN2 RX UART5 RX           |
| C17  | Vddldo | Vddldo              | H5   | Vdd      | Vdd                  | M10  | NC    | NC                       | T15  |        | USBH P                     |
| D1   | PE5    | DC D6 PWM15.1       | H6   | NC       | NC                   | M11  | NC    | NC                       | T16  | PD10   | FMC D15                    |
| D2   | PE4    | DC D4               | H7   | Vss      | Vss                  | M12  | NC    | NC                       | T17  | PD9    | FMC D14                    |
| D3   | PE3    | LDR                 | H8   | Vss      | Vss                  | M13  | Vdd   | Vdd                      | U1   | Vss    | Vss                        |
| D4   | PB9    | I2C1 SDA PWM17.1    | H9   | Vss      | Vss                  | M14  | PJ9   | UART8 RX PWM1.3          | U2   | PA3    | PWM2.4 ADC12.15            |
| D5   | PB8    | I2C1 SCL PWM16.1    | H10  | Vss      | Vss                  | M15  | Vss   | Vss                      | U3   | PA4    | DC H5 ADC12.18 DAC1        |
| D6   | PG15   | FMC SDNCAS          | H11  | Vss      | Vss                  | M16  | NC    | NC                       | U4   | PC5    | ETH RXD1                   |
| D7   | PK7    | LCD DE              | H12  | NC       | NC                   | M17  | NC    | NC                       | U5   | PB0    | UART4 CTS PWM3.3 ADC12.9   |
| D8   | PG14   | ETH TXD1            | H13  | Vdd      | Vdd                  | N1   | Vref- | Vref-                    | U6   | PJ3    | LCD R4                     |
| D9   | PG13   | ETH TXD0            | H14  | PG4      | FMC BA0              | N2   | PH2   | FMC SDCKE0               | U7   | PJ4    | LCD R5                     |
| D10  | PJ14   |                     | H15  | PG3      |                      | N3   | PA2   | ETH MDIO                 | U8   | PG1    | FMC A11                    |
| D11  | PJ12   | LCD G3              | H16  | PG2      | FMC A12              | N4   | PA1   | ETH REF CLK              | U9   | PE7    | FMC D4                     |
| D12  | PD2    | SDMMC1 CMD          | H17  | PK2      | LCD G7               | N5   | PA0   | PWM5.1 ADC1.16 WKUP      | U10  | PE14   | FMC D11                    |
| D13  | PD0    | FMC D2              | J1   | PH1      | OSC OUT              | N6   | PJ0   |                          | U11  | Vcap   | Vcap                       |
| D14  | PA10   | UART1 RX            | J2   | PH0      | OSC IN               | N7   | Vdd   | Vdd                      | U12  | Vddldo | Vddldo                     |
| D15  | PA9    | UART1 TX            | J3   | Vss      | Vss                  | N8   | Vdd   | Vdd                      | U13  | PH7    | I2C3 SCL                   |
| D16  | PH13   | CAN1 TX UART4 TX    | J4   | PF5      | FMC A5               | N9   | PE10  | FMC D7                   | U14  | PB13   | CAN2 TX UART5 TX           |
| D17  | Vcap   | Vcap                | J5   | PF4      | FMC A4               | N10  | Vdd   | Vdd                      | U15  |        | USBH N                     |
| E1   | NC     | NC                  | J6   | NC       | NC                   | N11  | Vdd   | Vdd                      | U16  | PD8    | FMC D13                    |
| E2   | PI9    |                     | J7   | Vss      | Vss                  | N12  | Vdd   | Vdd                      | U17  | Vss    | Vss                        |
| E3   | PC13   | TAMPER              | J8   | Vss      | Vss                  | N13  | PJ8   | UART8 TX                 |      |        |                            |
| E4   | PI8    |                     | J9   | Vss      | Vss                  | N14  | PJ7   |                          |      |        |                            |
| E5   | PE6    | DC D7 PWM15.2       | J10  | Vss      | Vss                  | N15  | PJ6   | LCD R7                   |      |        |                            |