# SC20260B Ballout

| Ball | Name | Function |
|------|------|----------|
| A1 | Vss | GND |
| A2 | PI6 | PWM8.2 |
| A3 | PI5 | PWM8.1 |
| A4 | PI4 | DC D5 |
| A5 | PB5 | SPI3 MOSI |
| A6 | Vddldo | Vddldo |
| A7 | Vcap | Vcap |
| A8 | PK5 | LCD B6 |
| A9 | PG10 | DC D2 |
| A10 | PG9 | DC VS |
| A11 | PD5 | UART2 TX |
| A12 | PD4 | UART2 RTS |
| A13 | PC10 | SDMMC1 D2 / USART3 TX |
| A14 | PA15 | UART4 RTS / PWM2.1 |
| A15 | PI1 | SPI2 SCK |
| A16 | PI0 | PWM5.4 |
| A17 | Vss | Vss |
| B1 | Vbat | Vbat |
| B2 | PI7 | PWM8.3 |
| B3 | | |
| B4 | PE1 | FMC NBL1 |
| B5 | PB6 | QSPI NCS |
| B6 | Vss | Vss |
| B7 | PB4 | SPI3 MISO |
| B8 | PK4 | LCD B5 |
| B9 | PG11 | ETH TX EN |
| B10 | PJ15 | LCD B3 |
| B11 | PD6 | UART2 RX |
| B12 | PD3 | UART2 CTS |
| B13 | PC11 | SDMMC1 D3 / USART3 RX |
| B14 | PA14 | |
| B15 | PI2 | SPI2 MISO / PWM8.4 |
| B16 | PH15 | LCD G4 |
| B17 | PH14 | CAN1 RX / UART4 RX |
| C1 | PC15 | OSC32 OUT |
| C2 | PC14 | OSC32 IN |
| C3 | PE2 | QSPI IO2 |
| C4 | PE0 | FMC NBL0 |
| C5 | PB7 | PWM4.2 / APP |
| C6 | PB3 | SPI3 SCK / PWM2.2 |
| C7 | PK6 | LCD B7 |
| C8 | PK3 | LCD B4 |
| C9 | | |
| C10 | Vss | Vss |
| C11 | PD7 | MOD |
| C12 | PC12 | SDMMC1 CK |
| C13 | Vss | Vss |
| C14 | PI3 | SPI2 MOSI |
| C15 | PA13 | |
| C16 | Vss | Vss |
| C17 | Vddldo | Vddldo |
| D1 | PE5 | DC D6 / PWM15.1 |
| D2 | PE4 | DC D4 |
| D3 | PE3 | LDR |
| D4 | PB9 | I2C1 SDA / PWM17.1 |
| D5 | PB8 | I2C1 SCL / PWM16.1 |
| D6 | PG15 | FMC SDNCAS |
| D7 | PK7 | LCD DE |
| D8 | PG14 | ETH TXD1 |
| D9 | PG13 | ETH TXD0 |
| D10 | | |
| D11 | PJ12 | LCD G3 |
| D12 | PD2 | SDMMC1 CMD |
| D13 | PD0 | FMC D2 |
| D14 | PA10 | UART1 RX |
| D15 | PA9 | UART1 TX |
| D16 | PH13 | CAN1 TX / UART4 TX |
| D17 | Vcap | Vcap |
| E1 | NC | NC |
| E2 | PI9 | |
| E3 | PC13 | TAMPER |
| E4 | PI8 | |
| E5 | PE6 | DC D7 / PWM15.2 |
| E6 | Vdd | Vdd |
| E7 | PDR_ON | PDR_ON |
| E8 | BOOT0 | BOOT0 |
| E9 | Vdd | Vdd |
| E10 | PJ13 | |
| E11 | Vdd | Vdd |
| E12 | PD1 | FMC D3 |
| E13 | PC8 | SDMMC1 D0 / UART5 RTS |
| E14 | PC9 | SDMMC1 D1 / UART5 CTS |
| E15 | PA8 | DC XCLK |
| E16 | PA12 | USBC P |
| E17 | PA11 | USBC N |
| F1 | NC | NC |
| F2 | NC | NC |
| F3 | PI10 | ETH RX ER |
| F4 | PI11 | |
| F5 | Vdd | Vdd |
| F6 | NC | NC |
| F7 | NC | NC |
| F8 | NC | NC |
| F9 | NC | NC |
| F10 | NC | NC |
| F11 | NC | NC |
| F12 | NC | NC |
| F13 | PC7 | UART6 RX / PWM3.2 |
| F14 | PC6 | UART6 TX / PWM3.1 |
| F15 | PG8 | FMC SDCLK |
| F16 | PG7 | |
| F17 | Vdd33usb | Vdd33usb |
| G1 | PF2 | FMC A2 |
| G2 | NC | NC |
| G3 | PF1 | FMC A1 |
| G4 | PF0 | FMC A0 |
| G5 | Vdd | Vdd |
| G6 | NC | NC |
| G7 | Vss | Vss |
| G8 | Vss | Vss |
| G9 | Vss | Vss |
| G10 | Vss | Vss |
| G11 | Vss | Vss |
| G12 | NC | NC |
| G13 | Vdd | Vdd |
| G14 | PG5 | FMC BA1 |
| G15 | PG6 | |
| G16 | Vss | Vss |
| G17 | Vdd50usb | Vdd50usb |
| H1 | PI12 | LCD HSYNC |
| H2 | PI13 | LCD VSYNC |
| H3 | PI14 | LCD CLK |
| H4 | PF3 | FMC A3 |
| H5 | Vdd | Vdd |
| H6 | NC | NC |
| H7 | Vss | Vss |
| H8 | Vss | Vss |
| H9 | Vss | Vss |
| H10 | Vss | Vss |
| H11 | Vss | Vss |
| H12 | NC | NC |
| H13 | Vdd | Vdd |
| H14 | PG4 | FMC BA0 |
| H15 | PG3 | |
| H16 | PG2 | FMC A12 |
| H17 | PK2 | LCD G7 |
| J1 | PH1 | OSC OUT |
| J2 | PH0 | OSC IN |
| J3 | Vss | Vss |
| J4 | PF5 | FMC A5 |
| J5 | PF4 | FMC A4 |
| J6 | NC | NC |
| J7 | Vss | Vss |
| J8 | Vss | Vss |
| J9 | Vss | Vss |
| J10 | Vss | Vss |
| J11 | Vss | Vss |
| J12 | NC | NC |
| J13 | Vdd | Vdd |
| J14 | PK0 | SPI5 SCK |
| J15 | PK1 | LCD G6 / PWM1.1 |
| J16 | Vss | Vss |
| J17 | Vss | Vss |
| K1 | NRST | NRST |
| K2 | PF6 | UART7 RX / ADC3.8 |
| K3 | PF7 | UART7 TX / ADC3.3 |
| K4 | PF8 | UART7 RTS / PWM13.1 / ADC3.7 |
| K5 | Vdd | Vdd |
| K6 | NC | NC |
| K7 | Vss | Vss |
| K8 | Vss | Vss |
| K9 | Vss | Vss |
| K10 | Vss | Vss |
| K11 | Vss | Vss |
| K12 | NC | NC |
| K13 | Vdd | Vdd |
| K14 | PJ11 | SPI5 MISO / PWM1.2 |
| K15 | Vss | Vss |
| K16 | NC | NC |
| K17 | NC | NC |
| L1 | Vdda | Vdda |
| L2 | PC0 | ADC123.10 |
| L3 | PF10 | ADC3.6 |
| L4 | PF9 | UART7 CTS / PWM14.1 / ADC3.2 |
| L5 | Vdd | Vdd |
| L6 | NC | NC |
| L7 | Vss | Vss |
| L8 | Vss | Vss |
| L9 | Vss | Vss |
| L10 | Vss | Vss |
| L11 | Vss | Vss |
| L12 | NC | NC |
| L13 | Vdd | Vdd |
| L14 | PJ10 | SPI5 MOSI |
| L15 | Vss | Vss |
| L16 | NC | NC |
| L17 | NC | NC |
| M1 | Vref+ | Vref+ |
| M2 | PC1 | ETH MDC |
| M3 | PC2 | ADC123.12 |
| M4 | PC3 | ADC12.13 |
| M5 | Vdd | Vdd |
| M6 | NC | NC |
| M7 | NC | NC |
| M8 | NC | NC |
| M9 | NC | NC |
| M10 | NC | NC |
| M11 | NC | NC |
| M12 | NC | NC |
| M13 | Vdd | Vdd |
| M14 | PJ9 | UART8 RX / PWM1.3 |
| M15 | Vss | Vss |
| M16 | NC | NC |
| M17 | NC | NC |
| N1 | Vref- | Vref- |
| N2 | PH2 | FMC SDCKE0 |
| N3 | PA2 | ETH MDIO |
| N4 | PA1 | ETH REF CLK |
| N5 | PA0 | PWM5.1 / ADC1.16 / WKUP |
| N6 | PJ0 | |
| N7 | Vdd | Vdd |
| N8 | Vdd | Vdd |
| N9 | PE10 | FMC D7 |
| N10 | Vdd | Vdd |
| N11 | Vdd | Vdd |
| N12 | Vdd | Vdd |
| N13 | PJ8 | UART8 TX |
| N14 | PJ7 | |
| N15 | PJ6 | LCD R7 |
| N16 | Vss | Vss |
| N17 | NC | NC |
| P1 | Vssa | Vssa |
| P2 | PH3 | FMC SDNE0 |
| P3 | PH4 | LCD G5 / ADC3.15 |
| P4 | PH5 | FMC SDNWE |
| P5 | PI15 | LCD G2 |
| P6 | PJ1 | |
| P7 | PF13 | FMC A7 |
| P8 | PF14 | FMC A8 |
| P9 | PE9 | FMC D6 |
| P10 | PE11 | FMC D8 |
| P11 | PB10 | I2C2 SCL |
| P12 | PB11 | I2C2 SDA |
| P13 | PH10 | DC D1 |
| P14 | PH11 | PWM5.2 |
| P15 | PD15 | FMC D1 |
| P16 | PD14 | FMC D0 |
| P17 | Vdd | Vdd |
| R1 | PC2_C | ADC3.0 |
| R2 | PC3_C | ADC3.1 |
| R3 | PA6 | DC PIXCLK / PWM13.1 / ADC12.3 |
| R4 | Vss | Vss |
| R5 | PA7 | ETH CRS DV / PWM14.1 / ADC12.7 |
| R6 | PB2 | QSPI CLK |
| R7 | PF12 | FMC A6 |
| R8 | Vss | Vss |
| R9 | PF15 | FMC A9 |
| R10 | PE12 | FMC D9 |
| R11 | PE15 | FMC D12 |
| R12 | PJ5 | LCD R6 |
| R13 | PH9 | DC D0 / PWM12.2 |
| R14 | PH12 | DC D3 / PWM5.3 |
| R15 | PD11 | QSPI IO0 |
| R16 | PD12 | QSPI IO1 |
| R17 | PD13 | QSPI IO3 |
| T1 | PA0_C | ADC12.0 |
| T2 | PA1_C | ADC12.1 |
| T3 | PA5 | ADC12.19 / DAC2 |
| T4 | PC4 | ETH RXD0 |
| T5 | PB1 | PWM3.4 / ADC12.5 |
| T6 | PJ2 | LCD R3 |
| T7 | PF11 | FMC SDNRAS |
| T8 | PG0 | FMC A10 |
| T9 | PE8 | FMC D5 |
| T10 | PE13 | FMC D10 |
| T11 | PH6 | PWM12.1 |
| T12 | Vss | Vss |
| T13 | PH8 | I2C3 SDA |
| T14 | PB12 | CAN2 RX / UART5 RX |
| T15 | PB15 | USBH P |
| T16 | PD10 | FMC D15 |
| T17 | PD9 | FMC D14 |
| U1 | Vss | Vss |
| U2 | PA3 | PWM2.4 / ADC12.15 |
| U3 | PA4 | DC HS / ADC12.18 / DAC1 |
| U4 | PC5 | ETH RXD1 |
| U5 | PB0 | UART4 CTS / PWM3.3 / ADC12.9 |
| U6 | PJ3 | LCD R4 |
| U7 | PJ4 | LCD R5 |
| U8 | PG1 | FMC A11 |
| U9 | PE7 | FMC D4 |
| U10 | PE14 | FMC D11 |
| U11 | Vcap | Vcap |
| U12 | Vddldo | Vddldo |
| U13 | PH7 | I2C3 SCL |
| U14 | PB13 | CAN2 TX / UART5 TX |
| U15 | PB14 | USBH N |
| U16 | PD8 | FMC D13 |
| U17 | Vss | Vss |