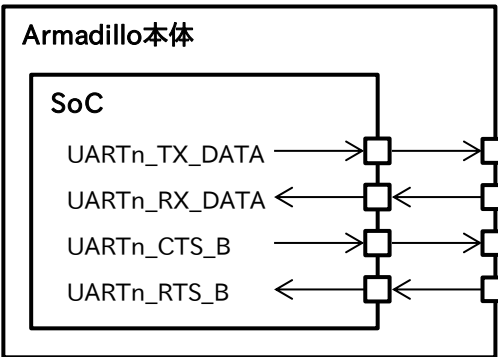


| ピン番号 | 信号名 | i.MX 7Dual ピン名 | 電圧グループ | リセット解除後の信号状態 | | | マルチプレクス機能 (i.MX 7Dualの信号名で表記) | | | | | | | | | | | | | | | | | | | | アドオン設定 ^[a] |
|------|---------------------------|-------------------|-------------------------|---------------------|-------------------|--------------------------------|-------------------------------|-------------|---------------------|---------------|-------------|-------------|---------------|---------------|-------|-------------|-------------|-------------|------|----------|------|------|------|--------------|---------------|---------------|----------------------------|
| | | | | 機能 | In/Out | Pull-Up/Pull-Down | GPIO | SD1 | UART ^[d] | | | | | | | SPI | | | | I2C | | | CAN2 | Audio | | etc | |
| | | | | | | | | | UART1 | UART2 | UART3 | UART4 | UART6 | UART7 | CSP11 | CSP12 | CSP13 | CSP14 | I2C1 | I2C2 | I2C3 | SAI2 | | SAI3 | | | |
| 1 | GND | | | | | | | | | | | | | | | | | | | | | | | | | | GND |
| 2 | GND | | | | | | | | | | | | | | | | | | | | | | | | | | GND |
| 3 | VCC_3.3V | | | | | | | | | | | | | | | | | | | | | | | | | | NC |
| 4 | VCC_3.3V | | | | | | | | | | | | | | | | | | | | | | | | | | NC |
| 5 | SDBOOT_EN | BOOT_MODE0 | VCC_3.3V | - | In | 10kΩ Pull-Down(固定) | | | | | | | | | | | | | | | | | | | | | NC |
| 6 | NVCC_SD1 | | | | | | | | | | | | | | | | | | | | | | | | | | NC |
| 7 | GPIO5_I00 | SD1_CD_B | NVCC_SD1 ^[a] | GPIO ^[b] | In ^[b] | 100kΩ Pull-Down ^[b] | GPIO5_I00 | SD1_CD_B | | | | | UART6_RX_DATA | | | | | ECSP14_MISO | | | | | | | | CCM_CLKO1 | NC |
| 8 | GPIO5_I01 | SD1_WP | NVCC_SD1 ^[a] | GPIO ^[b] | In ^[b] | 100kΩ Pull-Down ^[b] | GPIO5_I01 | SD1_WP | | | | | UART6_TX_DATA | | | | | ECSP14_MOSI | | | | | | | | | NC |
| 9 | GPIO5_I02 | SD1_RESET_B | NVCC_SD1 ^[a] | GPIO ^[b] | In ^[b] | 100kΩ Pull-Down ^[b] | GPIO5_I02 | SD1_RESET_B | | | | | UART6_RTS_B | | | | | ECSP14_SCLK | | | | | | | SAI3_MCLK | | NC |
| 10 | GPIO5_I03 | SD1_CLK | NVCC_SD1 ^[a] | GPIO ^[b] | In ^[b] | 100kΩ Pull-Down ^[b] | GPIO5_I03 | SD1_CLK | | | | | UART6_CTS_B | | | | | ECSP14_SSO | | | | | | | SAI3_RX_SYNC | | NC |
| 11 | GPIO5_I04 | SD1_CMD | NVCC_SD1 ^[a] | GPIO ^[b] | In ^[b] | 100kΩ Pull-Down ^[b] | GPIO5_I04 | SD1_CMD | | | | | | | | | | ECSP14_SS1 | | | | | | | SAI3_RX_BCLK | | NC |
| 12 | GPIO5_I05 | SD1_DATA0 | NVCC_SD1 ^[a] | GPIO ^[b] | In ^[b] | 100kΩ Pull-Down ^[b] | GPIO5_I05 | SD1_DATA0 | | | | | | UART7_RX_DATA | | | | ECSP14_SS2 | | | | | | | SAI3_RX_DATA0 | CCM_EXT_CLK1 | NC |
| 13 | GPIO5_I06 | SD1_DATA1 | NVCC_SD1 ^[a] | GPIO ^[b] | In ^[b] | 100kΩ Pull-Down ^[b] | GPIO5_I06 | SD1_DATA1 | | | | | | UART7_TX_DATA | | | | ECSP14_SS3 | | | | | | | SAI3_TX_BCLK | CCM_EXT_CLK2 | NC |
| 14 | GPIO5_I07 | SD1_DATA2 | NVCC_SD1 ^[a] | GPIO ^[b] | In ^[b] | 100kΩ Pull-Down ^[b] | GPIO5_I07 | SD1_DATA2 | | | | | | UART7_CTS_B | | | | ECSP14_RDY | | | | | | | SAI3_TX_SYNC | CCM_EXT_CLK3 | NC |
| 15 | GPIO5_I08 | SD1_DATA3 | NVCC_SD1 ^[a] | GPIO ^[b] | In ^[b] | 100kΩ Pull-Down ^[b] | GPIO5_I08 | SD1_DATA3 | | | | | | UART7_RTS_B | | | | ECSP13_SS1 | | | | | | | SAI3_TX_DATA0 | CCM_EXT_CLK4 | NC |
| 16 | GPIO4_I016 | ECSP11_SCLK | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I016 | | | | | | UART6_RX_DATA | | | ECSP11_SCLK | | | | | | | | | | | NC |
| 17 | GPIO4_I017 | ECSP11_MOSI | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I017 | | | | | | UART6_TX_DATA | | | ECSP11_MOSI | | | | | | | | | | | NC |
| 18 | GPIO4_I018 | ECSP11_MISO | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I018 | | | | | | UART6_RTS_B | | | ECSP11_MISO | | | | | | | | | | | NC |
| 19 | NC | | | | | | | | | | | | | | | | | | | | | | | | | | NC |
| 20 | GPIO4_I012 | I2C3_SCL | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I012 | | | | | | | | | | | | | | | | | | | | I2C3_SCL (EEPROM_SCL) |
| 21 | GPIO4_I013 | I2C3_SDA | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I013 | | | | | | | | | | | | | | | | | | | | I2C3_SDA (EEPROM_SCL) |
| 22 | NC | | | | | | | | | | | | | | | | | | | | | | | | | | NC |
| 23 | NC | | | | | | | | | | | | | | | | | | | | | | | | | | NC |
| 24 | GPIO4_I00 | UART1_RXD | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I00 | | UART1_RX_DATA | | | | | | | ECSP11_SS1 | | | | I2C1_SCL | | | | | | | I2C1_SCL / GPIO4_I00 |
| 25 | GPIO4_I01 | UART1_TXD | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I01 | | UART1_TX_DATA | | | | | | | ECSP11_SS2 | | | | I2C1_SDA | | | | | SAI3_MCLK | | I2C1_SDA / GPIO4_I01 |
| 26 | GND | | | | | | | | | | | | | | | | | | | | | | | | | | GND |
| 27 | GND | | | | | | | | | | | | | | | | | | | | | | | | | | GND |
| 28 | VCC_3.3V_IO | | | | | | | | | | | | | | | | | | | | | | | | | | VCC_3.3V_IO |
| 29 | VCC_3.3V | | | | | | | | | | | | | | | | | | | | | | | | | | VCC_3.3V |
| 30 | VCC_5V | | | | | | | | | | | | | | | | | | | | | | | | | | VCC_5V |
| 31 | - | - | - | - | Out | 1kΩ Pull-Down(固定) | | | | | | | | | | | | | | | | | | | | | -(EEPROM_E0) |
| 32 | GPIO6_I018 | SAI1_MCLK | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO6_I018 | | | | | | | | | | | | | | | | | SAI2_MCLK | | | GPIO6_I018 |
| 33 | GPIO4_I02 | UART2_RXD | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I02 | | | UART2_RX_DATA | | | | | | ECSP11_SS3 | | | | I2C2_SCL | | | | | | SAI3_RX_BCLK | GPIO4_I02 |
| 34 | GPIO4_I03 | UART2_TXD | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I03 | | | UART2_TX_DATA | | | | | | ECSP11_RDY | | | | I2C2_SDA | | | | | | SAI3_RX_DATA0 | ECSP11_RDY / GPIO4_I03 |
| 35 | GPIO4_I06 | UART3_RTS | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I06 | | | | | | | | | ECSP11_SCLK | | | | | | | | | | SAI3_TX_DATA0 | ECSP11_SCLK / GPIO4_I06 |
| 36 | GPIO4_I04 | UART3_RXD | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I04 | | | | | | | | | ECSP11_SCLK | | | | | | | | | | SAI3_TX_DATA0 | ECSP11_SCLK / GPIO4_I06 |
| 37 | GPIO4_I05 | UART3_TXD | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I05 | | | | | | | | | ECSP11_MISO | | | | | | | | | | SAI3_RX_SYNC | ECSP11_MISO / GPIO4_I04 |
| 38 | GPIO4_I023 | ECSP12_SSO | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I023 | | | | | | | | | ECSP11_MISO | | | | | | | | | | SAI3_TX_BCLK | ECSP11_MISO / GPIO4_I05 |
| 39 | GPIO4_I022 | ECSP12_MISO | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I022 | | | | | | | UART7_CTS_B | | | ECSP12_SSO | | | | | | | | | | UART7_CTS_B / GPIO4_I023 |
| 40 | GPIO4_I021 | ECSP12_MOSI | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I021 | | | | | | | UART7_RTS_B | | | ECSP12_MISO | | | | | | | | | | UART7_RTS_B / GPIO4_I022 |
| 41 | GPIO4_I020 | ECSP12_SCLK | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I020 | | | | | | | UART7_TX_DATA | | | ECSP12_MOSI | | | | | | | | | | UART7_TX_DATA / GPIO4_I021 |
| 42 | GPIO6_I016 | SAI1_RXFS | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO6_I016 | | | | | | | UART7_RX_DATA | | | ECSP12_SCLK | | | | | | | | | | UART7_RX_DATA / GPIO4_I020 |
| 43 | GPIO6_I017 | SAI1_RXC | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO6_I017 | | | | | | | | | | | | | | | | | SAI2_RX_SYNC | | | GPIO6_I016 |
| 44 | NC | | | | | | | | | | | | | | | | | | | | | | | SAI2_RX_BCLK | | | GPIO6_I017 |
| 45 | NC | | | | | | | | | | | | | | | | | | | | | | | | | | NC |
| 46 | GPIO6_I019 | SAI2_TXFS | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO6_I019 | | UART1_CTS_B | | | | UART4_RX_DATA | | | | | ECSP13_MISO | | | | | | | SAI2_TX_SYNC | | GPIO6_I019 |
| 47 | GPIO6_I020 | SAI2_TXC | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO6_I020 | | UART1_RTS_B | | | | UART4_TX_DATA | | | | | ECSP13_MOSI | | | | | | | SAI2_TX_BCLK | | GPIO6_I020 |
| 48 | GPIO6_I021 | SAI2_RXD | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO6_I021 | | | | UART2_CTS_B | | | | | | | ECSP13_SCLK | | | | | | | SAI2_RX_DATA0 | | GPIO6_I021 |
| 49 | GPIO6_I022 | SAI2_TXD | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO6_I022 | | | | UART2_RTS_B | | | | | | | ECSP13_SCLK | | | | | | | SAI2_RX_DATA0 | | GPIO6_I021 |
| 50 | GPIO4_I07 | UART3_CTS | VCC_3.3V | GPIO | In | 100kΩ Pull-Down | GPIO4_I07 | | | | | UART3_CTS_B | | | | | ECSP11_SS0 | | | | | | | | SAI2_TX_DATA0 | | GPIO6_I022 |
| 51 | NC | | | | | | | | | | | | | | | | | | | | | | | | SAI3_TX_SYNC | | ECSP11_SS0 |
| 52 | NC | | | | | | | | | | | | | | | | | | | | | | | | | | NC |
| 53 | NC | | | | | | | | | | | | | | | | | | | | | | | | | | NC |
| 54 | GND | | | | | | | | | | | | | | | | | | | | | | | | | | GND |
| 55 | PMIC_ONOFF ^[c] | - | VCC_BMIC | - | In | 47kΩ Pull-Up(固定) | | | | | | | | | | | | | | | | | | | | | PMIC_ONOFF |
| 56 | USB_HUB2_VBUS | | | | | | | | | | | | | | | | | | | | | | | | | | USB_HUB2_VBUS |
| 57 | USB_HUB2_VBUS | | | | | | | | | | | | | | | | | | | | | | | | | | USB_HUB2_VBUS |
| 58 | GND | | | | | | | | | | | | | | | | | | | | | | | | | | GND |
| 59 | USB_HUB2_DP | - | - | USB | - | - | | | | | | | | | | | | | | | | | | | | | USB_HUB2_DP |
| 60 | USB_HUB2_DM | - | - | USB | - | - | | | | | | | | | | | | | | | | | | | | | USB_HUB2_DM |

[a] SD UHS-I対応した場合、ソフトウェア制御で信号レベルが1.85Vに変化します。
[b] SDブート設定時は、リセット解除後にSD機能として動作します。
[c] オープンドレイン(またはオープンコレクタ)信号を入力してください。
[d] 出荷状態のソフトウェアでの入出力方向は次のとおりです。



[e] アットマークテクノ製アドオンモジュールで想定している機能設定です。他の製品にも搭載できるように、使用するピンと機能を制限しています。