|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pin NB | Pin name1 | Pin name2 | Pin name3 | Pin name4 | Function name |
| P9.1 | DGND |  |  |  |  |
| P9.2 | DGND |  |  |  |  |
| P9.3 | +3.3V |  |  |  |  |
| P9.4 | +3.3V |  |  |  |  |
| P9.5 | +5V(VDD) |  |  |  |  |
| P9.6 | +5V(VDD) |  |  |  |  |
| P9.7 | +5V(SYS) |  |  |  |  |
| P9.8 | +5V(SYS) |  |  |  |  |
| P9.9 | PWR\_BUT |  |  |  |  |
| P9.10 | SYS\_RESETN |  |  |  |  |
| P9.11 | GPIO\_30 | UART4\_RX |  |  | RS485\_RX |
| P9.12 | GPIO\_60 |  |  |  | DO01 |
| P9.13 | GPIO\_31 | UART4\_TX |  |  | RS485\_TX |
| P9.14 | GPIO\_40 | PWM1A |  |  | DO02 |
| P9.15 | GPIO\_48 |  |  |  | DO03 |
| P9.16 | GPIO\_51 | PWM1B |  |  | DO04 |
| P9.17 | GPIO\_4 | I2C1\_SCL | SPI\_CS0 |  | DO05 |
| P9.18 | GPIO\_5 | I2C1\_SDA |  |  | DO06 |
| P9.19 | GPIO\_13 | I2C2\_SCL |  |  |  |
| P9.20 | GPIO\_12 | I2C2\_SDA |  |  |  |
| P9.21 | GPIO\_3 | UART2\_TX | SPI\_D0 | PWM0B | DO07 |
| P9.22 | GPIO\_2 | UART2\_RX | SPIO\_SCLK | PWM0A | DO08 |
| P9.23 | GPIO\_49 |  |  |  | DO09 |
| P9.24 | GPIO\_15 | UART1\_TX | CAN.RD |  | CAN\_L |
| P9.25 | GPIO\_117 | MCASP0\_AHCLKX |  |  | \*DO10 |
| P9.26 | GPIO\_14 | UART1\_RX | CAN.TD |  | CAN\_H |
| P9.27 | GPIO\_115 |  |  |  | DO11 |
| P9.28 | GPIO\_123 | SPI1\_CS0 | ECAPPWM2 | MCASP0\_AXR2 | \*DO12 |
| P9.29 | GPIO\_111 | PWM0B | SPI1\_D0 | MCASP0\_FSX | \*DO13 |
| P9.30 | GPIO\_112 | SPI1\_D1 |  |  | DO14 |
| P9.31 | GPIO\_110 | PWM0A | SPI1\_SCLK | MCASP0\_ACLKX | \*DO15 |
| P9.32 | VDD\_ADC |  |  |  |  |
| P9.33 | AIN4 |  |  |  |  |
| P9.34 | GND\_ADC |  |  |  |  |
| P9.35 | AIN6 |  |  |  |  |
| P9.36 | AIN5 |  |  |  |  |
| P9.37 | AIN2 |  |  |  |  |
| P9.38 | AIN3 |  |  |  |  |
| P9.39 | AIN0 |  |  |  |  |
| P9.40 | AIN1 |  |  |  |  |
| P9.41 | GPIO\_20 |  |  |  | DO16 |
| P9.42 | GPIO\_7 | ECAPPWM0 |  |  | DO17 |
| P9.43 | DGND |  |  |  |  |
| P9.44 | DGND |  |  |  |  |
| P9.45 | DGND |  |  |  |  |
| P9.46 | DGND |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| P8.1 | DGND |  |  |  |  |
| P8.2 | DGND |  |  |  |  |
| P8.3 | GPIO\_38 | MMC1\_DAT6 |  |  |  |
| P8.4 | GPIO\_39 | MMC1\_DAT7 |  |  |  |
| P8.5 | GPIO\_34 | MMC1\_DAT2 |  |  |  |
| P8.6 | GPIO\_35 | MMC1\_DAT3 |  |  |  |
| P8.7 | GPIO\_66 | TIMER4 |  |  |  |
| P8.8 | GPIO\_67 | TIMER7 |  |  |  |
| P8.9 | GPIO\_69 | TIMER2 |  |  |  |
| P8.10 | GPIO\_68 | TIMER1 |  |  | DO18 |
| P8.11 | GPIO\_45 |  |  |  | DO19 |
| P8.12 | GPIO\_44 |  |  |  | DO20 |
| P8.13 | GPIO\_23 | PWM2B |  |  | DO21 |
| P8.14 | GPIO\_26 |  |  |  | DO22 |
| P8.15 | GPIO\_47 |  |  |  | DO23 |
| P8.16 | GPIO\_46 |  |  |  | DO24 |
| P8.17 | GPIO\_27 |  |  |  | DI01 |
| P8.18 | GPIO\_65 |  |  |  | DI02 |
| P8.19 | GPIO\_22 | PWM2A |  |  | DI03 |
| P8.20 | GPIO\_63 | MMC1\_CMD |  |  |  |
| P8.21 | GPIO\_62 | MMC1\_CLK |  |  |  |
| P8.22 | GPIO\_37 | MMC1\_DAT5 |  |  |  |
| P8.23 | GPIO\_36 | MMC1\_DAT4 |  |  |  |
| P8.24 | GPIO\_33 | MMC1\_DAT1 |  |  |  |
| P8.25 | GPIO\_32 | MMC1\_DAT0 |  |  |  |
| P8.26 | GPIO\_61 |  |  |  | DI04 |
| P8.27 | GPIO\_86 | LCD\_VSYNC |  |  | \*DI05 |
| P8.28 | GPIO\_88 | LCD\_PCLK |  |  | \*DI06 |
| P8.29 | GPIO\_87 | LCD\_HSYNC |  |  | \*DI07 |
| P8.30 | GPIO\_89 | LCD\_ACBIAS |  |  | \*DI08 |
| P8.31 | GPIO\_10 | LCD\_DATA14 |  |  | \*DI09 |
| P8.32 | GPIO\_11 | LCD\_DATA15 |  |  | \*DI10 |
| P8.33 | GPIO\_9 | LCD\_DATA13 |  |  | \*DI11 |
| P8.34 | GPIO\_81 | LCD\_DATA13 |  |  | \*DI12 |
| P8.35 | GPIO\_8 | LCD\_DATA12 | UART5\_TX |  | \*DI13 |
| P8.36 | GPIO\_80 | LCD\_DATA11 |  |  | \*DI14 |
| P8.37 | GPIO\_78 | LCD\_DATA8 |  |  | \*DI15 |
| P8.38 | GPIO\_79 | LCD\_DATA9 |  |  | \*DI16 |
| P8.39 | GPIO\_76 | LCD\_DATA6 |  |  | \*DI17 |
| P8.40 | GPIO\_77 | LCD\_DATA7 |  |  | \*DI18 |
| P8.41 | GPIO\_74 | LCD\_DATA4 |  |  | \*DI19 |
| P8.42 | GPIO\_75 | LCD\_DATA5 |  |  | \*DI20 |
| P8.43 | GPIO\_72 | LCD\_DATA2 |  |  | \*DI21 |
| P8.44 | GPIO\_73 | LCD\_DATA3 |  |  | \*DI22 |
| P8.45 | GPIO\_70 | LCD\_DATA0 | UART5\_RX |  | \*DI23 |
| P8.46 | GPIO\_71 | LCD\_DATA1 |  |  | \*DI24 |
|  |  |  |  |  |  |

PS: \*:需移除LCD support

DI1~DI24 LED

DO1~DO24 LED

P8.1

P9.1

DC 24v

GND GND 0 +24V

CANBUS RS485

GND CANH CANL 485A 485B