|  |  |
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|  |  |
| № | Port bit | ChipKIT Pin# | PIC32 Signal Name | **Function** |  |
| **J10** |
| 1 | RF02 | 0 | EBIRDY3/RPF2/SDA3/RF2| **GPIO, U4RX** |  |
| 2 | RE00 | 26 | EBID0/PMD0/RE0|**GPIO** | LED/COL1 |
| 3 | RF08 | 1 | EBIRDY2/RPF8/SCL3/RF8/| **GPIO, U4TX** |  |
| 4 | RE01 | 27 | EBID1/PMD1/RE1|**GPIO** | LED/COL2 |
| 5 | RE08 | 2 | AN25/AFRXD0/RPF8/RF8| **GPIO, IC1, INT1** |  |
| 6 | RE02 | 28 | EBID2/PMD2/RE2|**GPIO** | LED/COL3 |
| 7 | RD00 | 3 | EMDIO/AEMDIO/RPD0/RTCC/INT0/RD0| **PWM 1, INT0, OC1** | Servo1 |
| 8 | RE03 | 29 | EBID3/RPE3/PMD3/RE3|**GPIO** | LED/COL4 |
| 9 | RA03 | 4 | EBIRDY1/SDA2/RA3| **GPIO** | УЗ-Дальномер/Echo |
| 10 | RE04 | 30 | EBID4/AN18/PMD4/RE4|**GPIO** | LED/COL5 |
| 11 | RD01 | 5 | RPD1/SCK1/RD1| **PWM 2, OC2** | Servo2  FLASH/SCK |
| 12 | RE05 | 31 | EBID5/AN17/RPE5/PMD5/RE5|**GPIO** | LED/COL6 |
| 13 | RD02 | 6 | EBID14/ETXEN/RPD2/PMD14/RD2| **PWM 3, OC3** | Servo3 |
| 14 | RE06 | 32 | EBID6/AN16/PMD6/RE6|**GPIO** | LED/COL7 |
| 15 | RE09 | 7 | AN26/AERXD1/RPE9/RE9| **GPIO, IC2, INT2** | FLASH//CS |
| 16 | RE07 | 33 | EBID7/AN15/PMD7/RE7|**GPIO** | LED/COL8 |
| **J9** |  |
| 1 |  | - |  | - |
| 2 |  | IOREF |  | - |
| 3 |  | P32\_RST |  | - |
| 4 |  | VCC3V3 | 3.3v | - |
| 5 |  | VCC5V0 | 5v | + |
| 6 |  | GND |  | + |
| 7 |  | GND |  | + |
| 8 |  | VIN | Внешнее питание | - |
| **J8** |  |
| 1 | RB05 | A0 | AN45/C1INA/RPB5/RB5|**AIN0, GPIO** | LED/ROW6 |
| 2 | RB03 | A6 | AN3/C2INA/RPB3/RB3|**AIN6, GPIO** | LED/ROW4 |
| 3 | RB09 | A1 | EBIA7/AN49/RPB9/PMA7/RB9|**AIN1, GPIO** | LED/ROW8 |
| 4 | RB02 | A7 | AN2/C2INB/RPB2/RB2|**AIN7, GPIO** | LED/ROW3 |
| 5 | RC02 | A2 | EBIA12/AN21/RPC2/PMA12/RC2|**AIN2, GPIO** | ИК-Дальномер |
| 6 | RB04 | A8 | AN4/C1INB/RB4|**AIN8, GPIO** | LED/ROW5 |
| 7 | RB15 | A3 | EBIA0/AN10/ERXD3/AETXD2/RPB15/OCFB/PMA0/RB15|**AIN3, GPIO** |  |
| 8 | RB01 | A9 | PGEC1/AN1/RPB1/RB1|**AIN9, GPIO** | LED/ROW2 |
| 9 | RG07 | A4 | EBIA4/AN13/C1INC/ECRS/RPG7/SDA4/PMA4/RG7|**AIN4, SDA** |  |
| 10 | RB08 | A10 | EBIA10/AN48/RPB8/PMA10/RB8|**AIN10, GPIO** | LED/ROW7 |
| 11 | RG08 | A5 | EBIA3/AN12/C2IND/ERXDV/ECRSDV/AERXDV/AECRSDV/RPG8/SCL4/PMA3/RG8|**AIN5, SCL** |  |
| 12 | RB00 | A11 | PGED1/AN0/RPB0/RB0|**AIN11, GPIO, P32\_VBUSON** | LED/ROW1 |
| **J7** |  |
| 1 | RA14 | 8 | AETXCLK/RPA14/SCL1/RA14| **GPIO, IC3, INT3** |  |
| 2 | RD05 | 34 | SQICS1/RPD5/RD5|**GPIO, T4CK** |  |
| 3 | RD03 | 9 | EBID15/ETXCLK/RPD3/PMD15/RD3| **PWM 4, OC4** | Servo4 |
| 4 | RC01 | 35 | EBIA6/AN22/RPC1/PMA6/RC1|**GPIO, T2CK, IC7** | FLASH/MISO |
| 5 | RG09 | 10 | EBIA2/AN11/C2INC/ERXCLK/EREFCLK/AERXCLK/AEREFCLK/RPG9/PMA2/RG9| **SPI\_SS2, PWM 5, OC9, IC6** | 7-SEGM/RCLK |
| 6 | RF01 | 36 | EBID10/ETXD0/RPF1/PMD10/RF1|**GPIO, T6CK** | FLASH/MOSI |
| 7 | RD11 | 11 | EMDC/AEMDC/RPD11/RD11/SER|**SPI\_SDO2/SDI2 PWM 6, OC7** | 7-SEGM/SER |
| 8 | RA02 | 37 | EBICS0/SCL2/RA2|**GPIO** | УЗ-Дальномер/Trig |
| 9 | RF00 | 12 | EBID11/ETXD1/RPF0/PMD11/RF0|**SPI\_SDI2/SDO2, T5CK(+)** |  |
| 10 | RD12 | 38 | EBID12/ETXD2/RPD12/PMD12/RD12|**GPIO, T3Ck** | - |
| 11 | RG06 | 13 | AN14/C1IND/ECOL/RPG6/SCK2/RG6|**SPI\_SCK2, USER LED1** | 7-SEGM/SRCLK |
| 12 | RD14 | 39 | AN32/AETXD0/RPD14/RD14|**GPIO, U1RX** | - |
| G |  | GND | GND | GND |
| 14 | RD15 | 40 | AN33/AETXD1/RPD15/SCK6/RD15|**GPIO, U1TX** | - |
| 15 |  | A | VREF+/CVREF+/AN28/AERXD3/RA10|**VREF+** | - |
| 16 | RA09 | 41 | VREF-/CVREF-/AN27/AERXD2/RA9|**GPIO, VREF-** | - |
| **J6** |  |
| 1 | RG07 | SDA | EBIA4/AN13/C1INC/ECRS/RPG7/SDA4/PMA4/RG7| **AIN4, SDA** | Eeprom/SDA |
| 2 | RG08 | SCL | EBIA3/AN12/C2IND/ERXDV/ECRSDV/AERXDV/AECRSDV/RPG8/SCL4/PMA3/RG8| **AIN5, SCL** | Eeprom/SCL |