**NRF24LE1 Module and Adapter programming and pin functions table**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Pin number** | | **Pin name** | **Functions\*** | | | | | **Pin number** | | **Pin name** |
| *Adapter* | *Module* | *Name* | *F1* | *F2* | *F3* | *F4* | *F5* | *ISP Cable* | *ISP Programmer* | *Name* |
| 1 | 10 | P0.4 | I/O | UART RX | – | AIN4 | W2SCL | – | – | – |
| 2 | 9 | P0.3 | I/O | UART TX | PWM1 | AIN3 | – | – | – | – |
| 3 | 8 | PROG | PROG | – | – | – | – | 3, 5, 7, 9 | 4, 6, 8, 10 | GND |
| 4 | 7 | P0.2 | I/O | – | PWM0 | AIN2 | – | – | – | – |
| 5 | 6 | P0.1 | I/O | CLKLF | – | AIN1 | – | – | – | – |
| 6 | 5 | P0.0 | I/O | CLKLF | – | AIN0 | – | – | – | – |
| 7 | 4 | P1.6 | I/O | – | MMISO | – | – | – | – | – |
| 8 | 3 | P1.5 | I/O | – | MMOSI | – | – | – | – | – |
| 9 | 2 | GND | – | – | – | – | – | 3, 5, 7, 9 | 4, 6, 8, 10 | GND |
| 10 | 1 | VCC (3.3V) | – | – | – | – | – | 1 | 2 | VCC |
| 11 | 11 | P0.5 | I/O | GPINT0 | S/FSCK | AIN5 | W2SDA | – | – | – |
| 12 | 12 | P0.6 | I/O | GPINT1 | – | AIN6 | – | – | – | – |
| 13 | 13 | P0.7 | I/O | T0 | S/FMOSI | AIN7 | OCITCK | 2 | 1 | MOSI |
| 14 | 14 | P1.0 | I/O | T1 | S/FMISO | AIN8 | OCITMS | 10 | 9 | MISO |
| 15 | 15 | P1.1 | I/O | – | S/FCSN | AIN9 | OCITDI | 6 | 5 | RESET |
| 16 | 16 | P1.2 | I/O | – | – | AIN10 | OCITDO | – | – | – |
| 17 | 17 | P1.3 | I/O | – | – | – | OCITO | – | – | – |
| 18 | 18 | P1.4 | I/O | – | MSCK | – | – | 8 | 7 | SCK |
| 19 | 19 | RESET | RST | – | – | – | – | 1 | 2 | VCC |
| 20 | – | VIN (4.8-15V) | – | – | – | – | – | – | – | – |

\* – for more information refer to the NRF24LE IC datasheet, page 137 (17.3.2 Pin assignments in package 32 pin 5x5 mm)





**NRF24LE1 Adapter stickers on plug sides**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **P0.4** | **P0.3** | **PRG** | **P0.2** | **P0.1** | **P0.0** | **P1.6** | **P1.5** | **GND** | **VCC** |  | **P0.4** | **P0.3** | **PRG** | **P0.2** | **P0.1** | **P0.0** | **P1.6** | **P1.5** | **GND** | **VCC** |  | **P0.4** | **P0.3** | **PRG** | **P0.2** | **P0.1** | **P0.0** | **P1.6** | **P1.5** | **GND** | **VCC** |  | **P0.4** | **P0.3** | **PRG** | **P0.2** | **P0.1** | **P0.0** | **P1.6** | **P1.5** | **GND** | **VCC** |  | **P0.4** | **P0.3** | **PRG** | **P0.2** | **P0.1** | **P0.0** | **P1.6** | **P1.5** | **GND** | **VCC** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **P0.5** | **P0.6** | **P0.7** | **P1.0** | **P1.1** | **P1.2** | **P1.3** | **P1.4** | **RST** | **VIN** |  | **P0.5** | **P0.6** | **P0.7** | **P1.0** | **P1.1** | **P1.2** | **P1.3** | **P1.4** | **RST** | **VIN** |  | **P0.5** | **P0.6** | **P0.7** | **P1.0** | **P1.1** | **P1.2** | **P1.3** | **P1.4** | **RST** | **VIN** |  | **P0.5** | **P0.6** | **P0.7** | **P1.0** | **P1.1** | **P1.2** | **P1.3** | **P1.4** | **RST** | **VIN** |  | **P0.5** | **P0.6** | **P0.7** | **P1.0** | **P1.1** | **P1.2** | **P1.3** | **P1.4** | **RST** | **VIN** |

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| **P0.4** | **P0.3** | **PRG** | **P0.2** | **P0.1** | **P0.0** | **P1.6** | **P1.5** | **GND** | **VCC** |  | **P0.4** | **P0.3** | **PRG** | **P0.2** | **P0.1** | **P0.0** | **P1.6** | **P1.5** | **GND** | **VCC** |  | **P0.4** | **P0.3** | **PRG** | **P0.2** | **P0.1** | **P0.0** | **P1.6** | **P1.5** | **GND** | **VCC** |  | **P0.4** | **P0.3** | **PRG** | **P0.2** | **P0.1** | **P0.0** | **P1.6** | **P1.5** | **GND** | **VCC** |  | **P0.4** | **P0.3** | **PRG** | **P0.2** | **P0.1** | **P0.0** | **P1.6** | **P1.5** | **GND** | **VCC** |

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| **P0.5** | **P0.6** | **P0.7** | **P1.0** | **P1.1** | **P1.2** | **P1.3** | **P1.4** | **RST** | **VIN** |  | **P0.5** | **P0.6** | **P0.7** | **P1.0** | **P1.1** | **P1.2** | **P1.3** | **P1.4** | **RST** | **VIN** |  | **P0.5** | **P0.6** | **P0.7** | **P1.0** | **P1.1** | **P1.2** | **P1.3** | **P1.4** | **RST** | **VIN** |  | **P0.5** | **P0.6** | **P0.7** | **P1.0** | **P1.1** | **P1.2** | **P1.3** | **P1.4** | **RST** | **VIN** |  | **P0.5** | **P0.6** | **P0.7** | **P1.0** | **P1.1** | **P1.2** | **P1.3** | **P1.4** | **RST** | **VIN** |