



# DRIVER NRF24L01+

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PCSE

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# **NRF24L01 Transceiver**



Robotik Sistemler Geliştirme Platformu

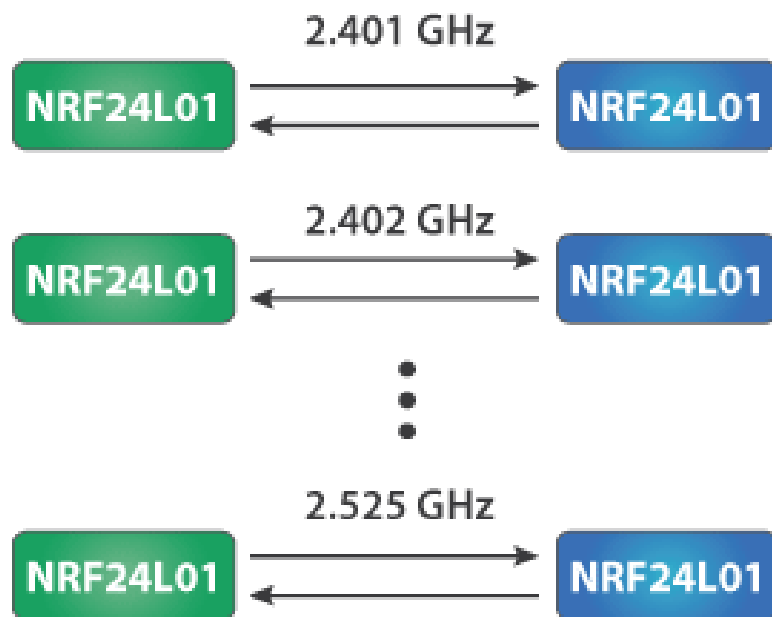
## Key Features

- Worldwide 2.4GHz ISM band operation
- 250kbps, 1Mbps and 2Mbps on air data rates
- Ultra low power operation
- 11.3mA TX at 0dBm output power
- 13.5mA RX at 2Mbps air data rate
- 900nA in power down
- 26μA in standby-I
- On chip voltage regulator
- 1.9 to 3.6V supply range
- Enhanced ShockBurst™
- Automatic packet handling
- Auto packet transaction handling
- 6 data pipe MultiCeiver™
- Drop-in compatibility with nRF24L01
- On-air compatible in 250kbps and 1Mbps with nRF2401A, nRF2402, nRF24E1 and nRF24E2
- Low cost BOM
- ±60ppm 16MHz crystal
- 5V tolerant inputs
- Compact 20-pin 4x4mm QFN package

## Applications

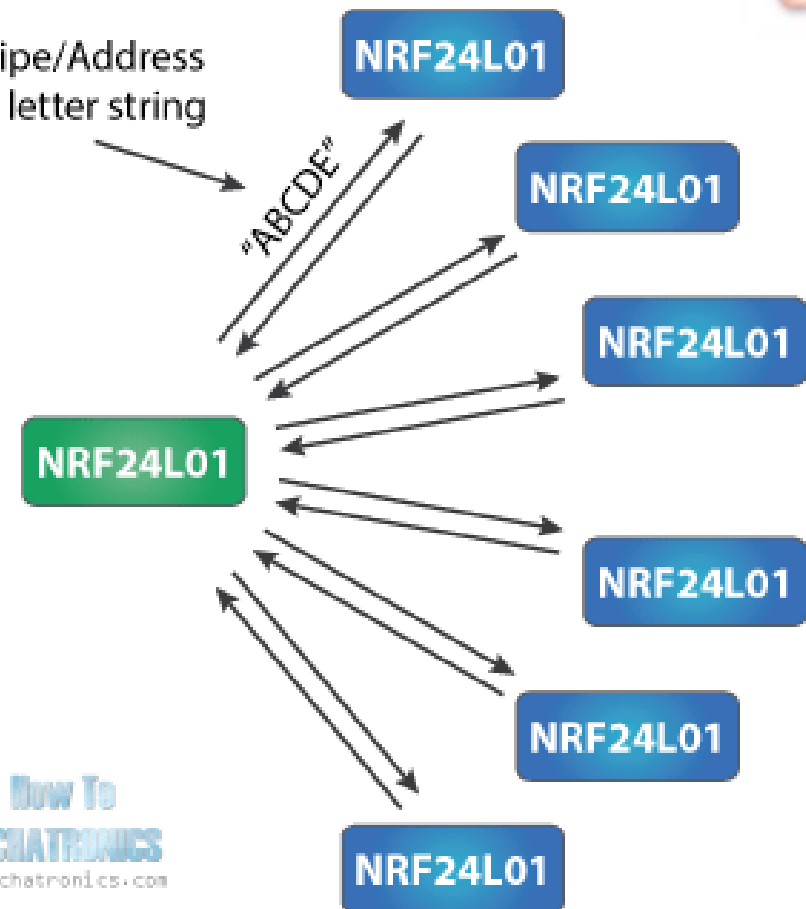
- Wireless PC Peripherals
- Mouse, keyboards and remotes
- 3-in-1 desktop bundles
- Advanced Media center remote controls
- VoIP headsets
- Game controllers
- Sports watches and sensors
- RF remote controls for consumer electronics
- Home and commercial automation
- Ultra low power sensor networks
- Active RFID
- Asset tracking systems
- Toys





2400 to 2525 MHz  
1MHz spacing - 125 channels

Pipe/Address  
5 letter string



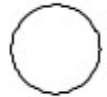
# Legend:



Undefined



Recommended operating mode



Possible operating mode



Transition state



Recommended path between operating modes



Possible path between operating modes

CE = 1

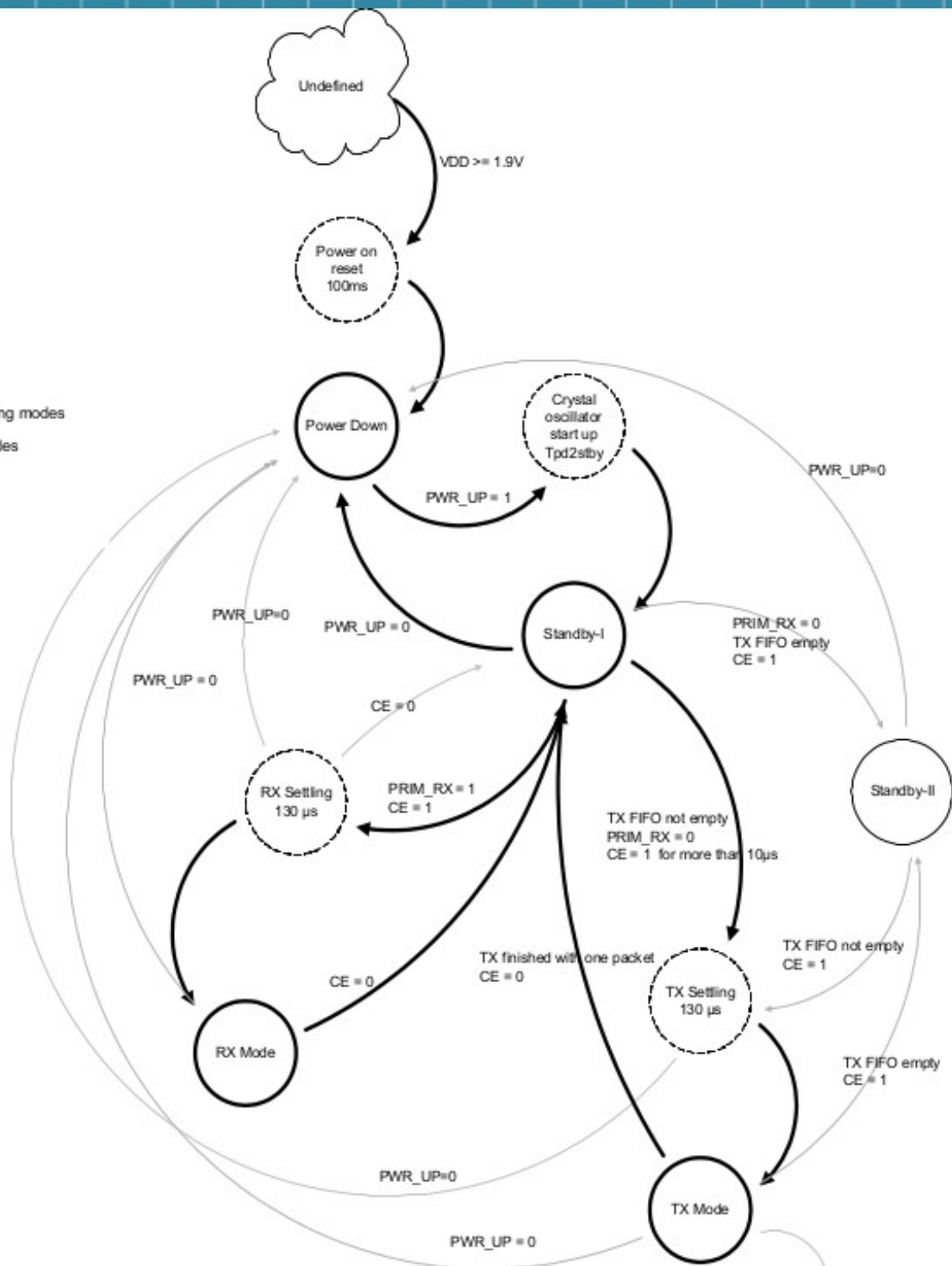
Pin signal condition

PWR\_DN = 1

Bit state condition

TX FIFO empty

System information



# CARACTERÍSTICAS TÉCNICAS E IMPLEMENTACIÓN

