


Transceiver 1TX 1RX 24-Pin QFN EP T/R

Manufacturer:	Semtech Corporation
Package/Case:	QFN24
Product Type:	Discrete Semiconductor Modules
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

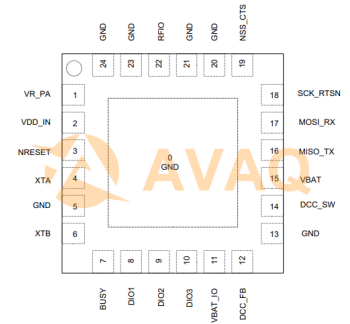


Figure 2-1: Transceiver Pin Locations

Images are for reference only

[Inquiry](#)

General Description

The SX1280 transceiver provides ultra-long range communication in the 2.4 GHz band with the linearity to withstand heavy interference. This makes them the ideal solution for robust and reliable wireless solutions.

Key Features

- Long Range 2.4 GHz transceiver
- High sensitivity, down to -132 dBm
- Low energy consumption, On-chip DC-DC
- LoRa, FLRC, (G)FSK supported modulations
- Programmable bit rate
- Excellent blocking immunity
- Ranging Engine, Time-of-flight function
- BLE PHY layer compatibility
- Low system cost

Application

- Home automation & appliances
- Tracking applications
- Wearables & sports/fitness sensors
- Radio-controlled toys & drones
- Smart watches & beacons
- Healthcare
- Packaging
- QFN 4x4
- Order Codes

SX1280IMLTRT: Pb-free, Halogen free, RoHS and WEEE compliant, 3,000 pieces. Tape & Reel

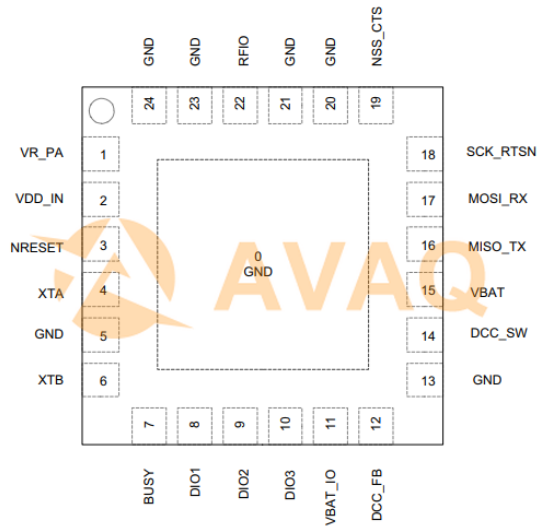


Figure 2-1: Transceiver Pin Locations

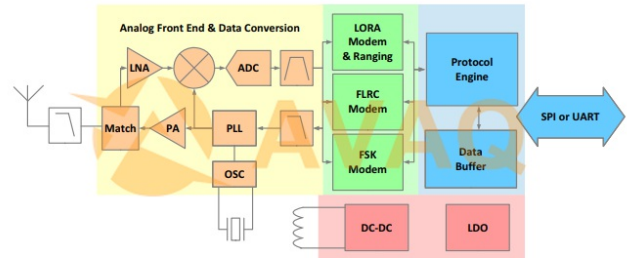


Figure A: Transceiver Block Diagram

Recommended For You

SX1250IMLTRT

Semtech Corporation

QFN24

SX1278IMLTRT

Semtech Corporation

QFN28

SX1262IMLTRT

Semtech Corporation

QFN24

SX1232IMLTRT

Semtech Corporation

QFN24

SX1212IWLTRT

Semtech Corporation

QFN32

SX1261IMLTRT

Semtech Corporation

QFN24

SX1308IMLTRT

Semtech Corporation

QFN64

SX1243IULTRT

Semtech Corporation

DFN8

SX1272IMLTRT

Semtech Corporation

QFN

SX1303IMLTRT

Semtech Corporation

QFN-68

SX1239IMLTRT

Semtech Corporation

QFN24

SX1276IMLTRT

Semtech Corporation

QFN28

SX1302IMLTRT

Semtech Corporation

QFN68

SX1257IWLTRT

Semtech Corporation

QFN32

SX1301IMLTRT

Semtech Corporation

QFN64