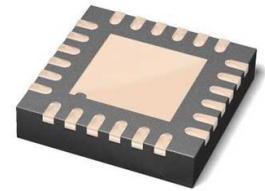



RF Receiver FSK/GFSK/MSK/GMSK/OOK 2.5V/3.3V Automotive 24-Pin QFN EP T/R



Images are for reference only

Manufacturer:	Semtech Corporation
Package/Case:	QFN24
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

[Inquiry](#)

General Description

The SX1239 is a highly integrated RF receiver capable of operation over a wide frequency range, including the 433,868 and 915 MHz license-free ISM (Industry Scientific and Medical) frequency bands. Its highly integrated architecture allows for a minimum of external components while maintaining maximum design flexibility.

Key Features

- High Sensitivity: down to -120 dBm at 1.2 kbps
- High Selectivity: 16-tap FIR Channel Filter
- Bullet-proof front end: IIP3 = -18 dBm, IIP2 = +35 dBm, 80 dB Blocking Immunity, no Image Frequency response
- Low current: Rx = 16 mA, 100nA register retention
- Constant RF performance over voltage range of chip
- FSK Bit rates up to 300 kb/s
- Fully integrated synthesizer with a resolution of 61 Hz
- FSK, GFSK, MSK, GMSK and OOK demodulation
- Built-in Bit Synchronizer performing Clock Recovery
- Incoming Sync Word Recognition
- 115 dB+ Dynamic Range RSSI
- Automatic RF Sense with ultra-fast AFC
- Packet engine with CRC, AES-128 encryption and 66-byte FIFO
- AEC-Q100 Qualified Part
- Built-in temperature sensor and Low Battery indicator

Application

- Automated Meter Reading
- Wireless Sensor Networks
- Home and Building Automation
- Wireless Alarm and Security Systems
- Industrial Monitoring and Control
- Packaging
- QFN 24
- Order Codes
- SX1239IMLTRT (3000 pieces, Tape and Reel)

Recommended For You

SX1250IMLTRT

Semtech Corporation

QFN24

SX1278IMLTRT

Semtech Corporation

QFN28

SX1280IMLTRT

Semtech Corporation

QFN24

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

SX1276IMLTRT

Semtech Corporation

QFN28

SX1302IMLTRT

Semtech Corporation

QFN68

SX1257IWLTRT

Semtech Corporation

QFN32

SX1301IMLTRT

Semtech Corporation

QFN64