

MLRX300AXX

AM receiver module

Data Sheet

Revision 1.0



에코기술

- EC-MLRX300A AM receiver module Data Sheet -

EC-MLRX300A AM receiver module은 초소형이면서 저전압 및 저전류로 동작 가능하게 설계되어 배터리 솔루션 data통신에 적합한 AM receiver module 입니다.

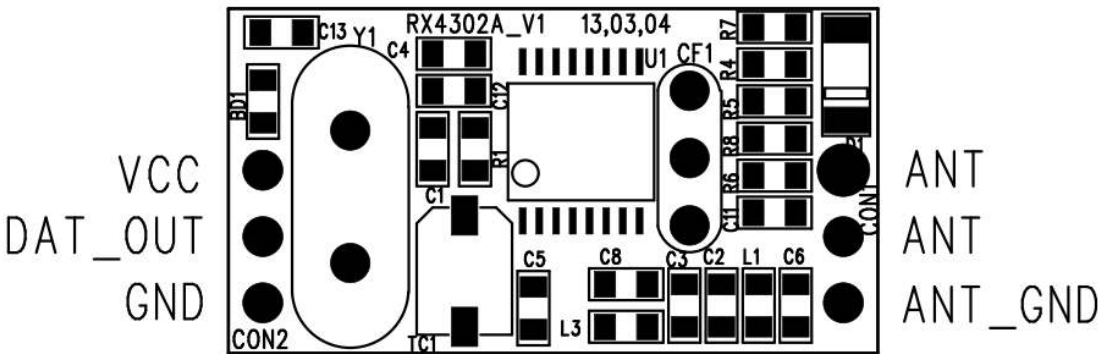
1. Application :

- . Remote keyless entry.
- . Low power telemetry system.
- . Alarm and security system.
- . Remote controls.

2. Specifications :

NO	Item	specifications
1	Center frequency	315, & 433Mhz
2	Operation power	DC 2.4 ~ 5.5V
3	Operation Temp./ Humidity	-10 ~ 80℃, 80% RH
4	Stand-by current	< 1uA
5	Operating current	< 8.5mA
6	Input sensitivity	< -105dBm(input impedance 50Ω)
7	Start up time	< 1msec
8	IF bandwidth	± 180Khz
9	Size	24.5mm X13mm

3. PIN Connection:



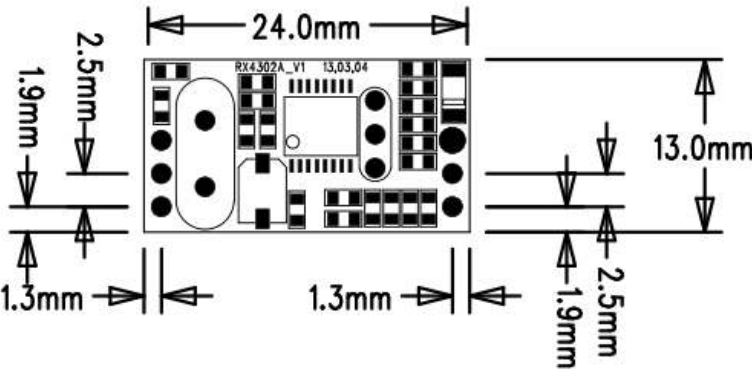
1) Pin header (CON2)

PIN NO	Description
VCC	Power input (DC 2.4 ~ 5.5V)
D-OUT	Data out (TTL level)
GND	Set ground

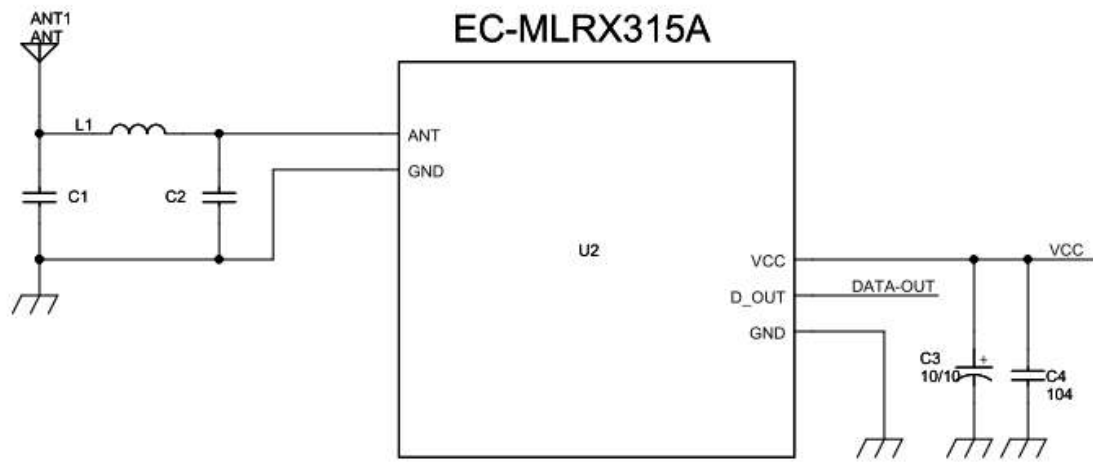
2) Pin header (CON1)

PIN NO	Description
ANT	Antenna input (50Ω)
ANT	Antenna input (50Ω)
ANTGND	Antenna ground

4. Dimension



5. Application circuit



* L1, C1, and C2 are used to match ANT1 with EC-MLRX400XX.