

# CS-1407 Smart Car connector board DataSheet

## Keyword:

INHAOS , Arduino , Smart Car , UGV , MassDuino , Shield , UNO R3

## Introduce

The CS-1407 is a connector board for smart car, which is designed based on Arduino UNO R3. It can be directly put on the Arduino UNO R3. By DuPont line, there are many modules can be connected to CS-1407.

**Motor Driver:** MD-2016 2CH 5~18V DC H-bridge Motor driver

**Sensor board:** SE-8008 8CH IR Sensor and 2CH speed encoder extend module

**LED Driver:** LE-1600 SPI 16CH LED extend module

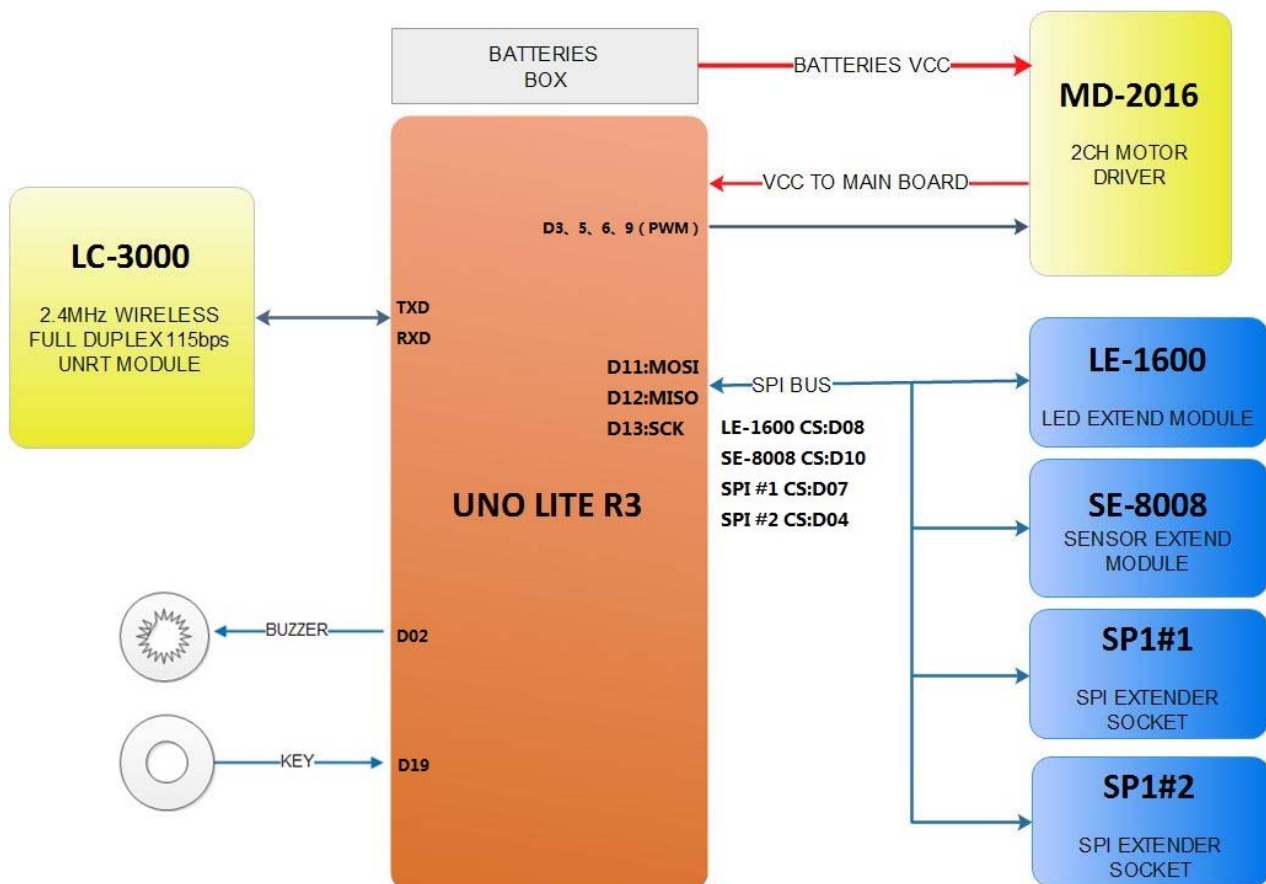
**RF UART Communication:** LC-3000 Real full duplex 115Kbps RF UART module

All module are replaced so user can use difference board with same pinout to replace the standard board , to get better performance or lower cost.

## Features

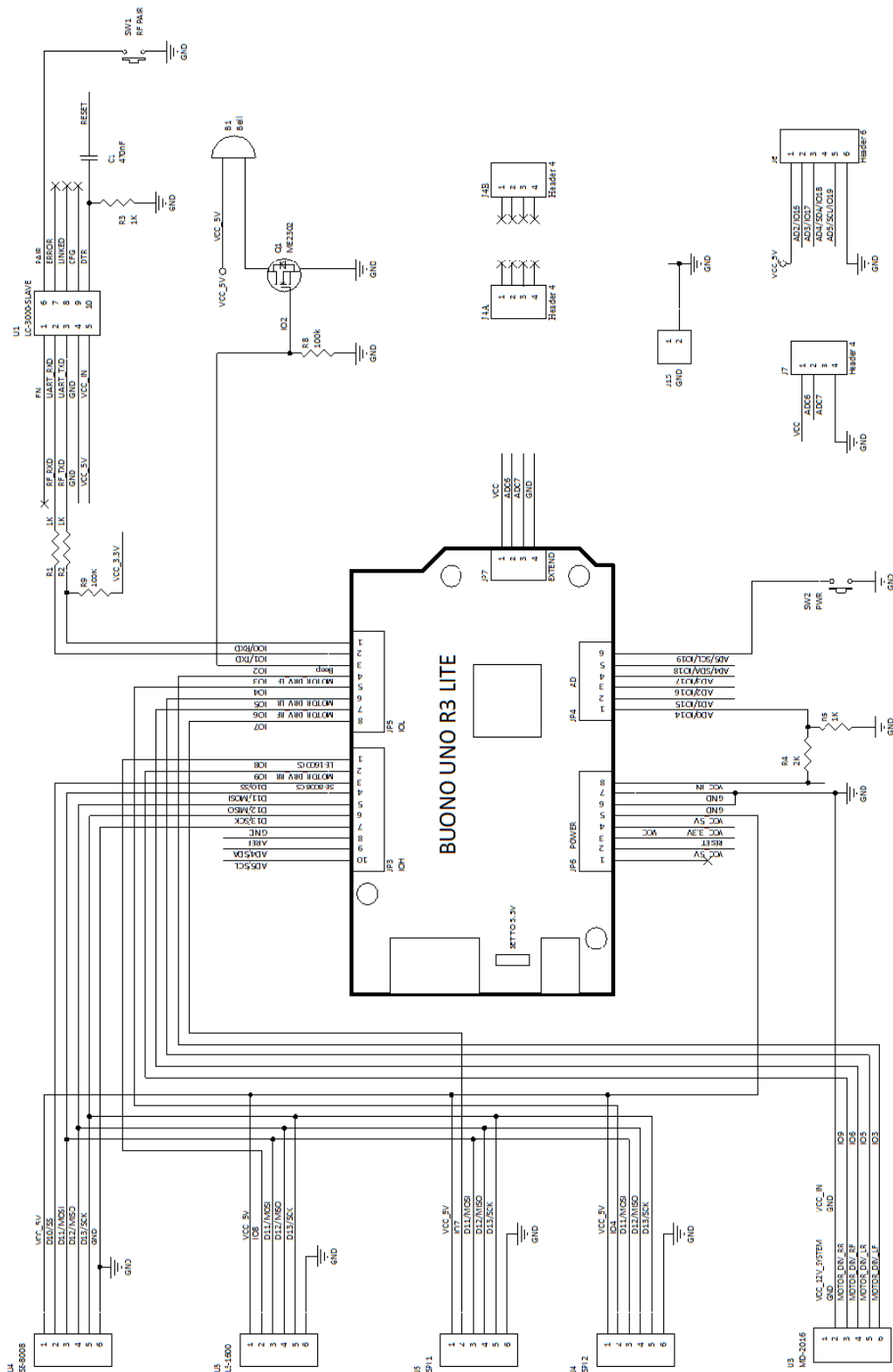
- SPI bus connection design , the Sensor and LED use SPI interface connection , save UNO's GPIO
- Upload sketch via wireless communication
- High integration and reduces the space
- 4 SPI module extend port (1 for SE-8008 and 1 for LE-1600 , and 2 for future used)
- Easy to assemble
- Low cost

## Structure Diagram



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## Circuit Diagram



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