

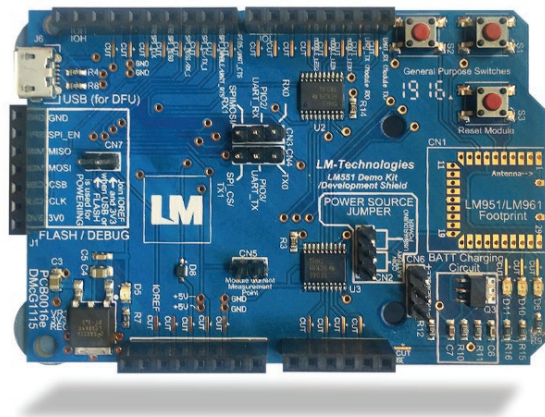


## LM55X Evaluation Product Family

For LM961 Bluetooth® Dual Mode Module

Product  
Order Codes  
Revised  
Datasheet Version

LM55X  
See Last Page  
13/MAR/2018  
1.0



### Overview

The LM55X is the evaluation product family for the LM961 Bluetooth® Dual Mode module. A great starting point for evaluating Bluetooth® applications. Simplifying the development process and cutting down time to the production phase.

LM assists the developer to create new applications with the LM961 module.

The LM55X product family helps the developer to integrate the LM961 into their hardware designs and test for production. The LM55X evaluation board enables the developer to evaluate a Bluetooth® Dual Mode application.

The LM55X is USB powered or powered from a coin cell battery when operating the prototype in a “real world” scenario. The LM55X is Arduino compatible, providing the option of connecting the LM961 to an Arduino Board. The Arduino providing the power supply when connected.

### Features

- Hardware design guidelines
- Manufacturing packs for module reference designs
- Production test and configuration tools
- Pin header socket for easy insertion and removal of LM961 module
- I2C, UART and USB interfaces for breaking out I/O to application-specific peripheral devices
- Onboard LEDs and switches
- Pins for current consumption measurements
- Onboard coin cell socket
- 3.3V supply voltage regulator included
- 78mm x 54mm x 16mm

### Support Document

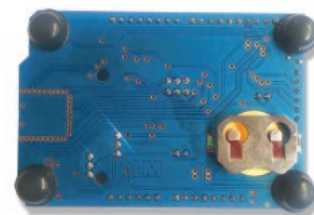
- LM961 Datasheet- <http://goo.gl/bkRkHD>

### Kit Content

- LM961 Bluetooth® module
- LM551 Evaluation Board
- Jumpers
- LIR2450 3V6 Rechargeable Coin Cell Battery

#### LM55X

Rear view of the board showing the coin cell power option.





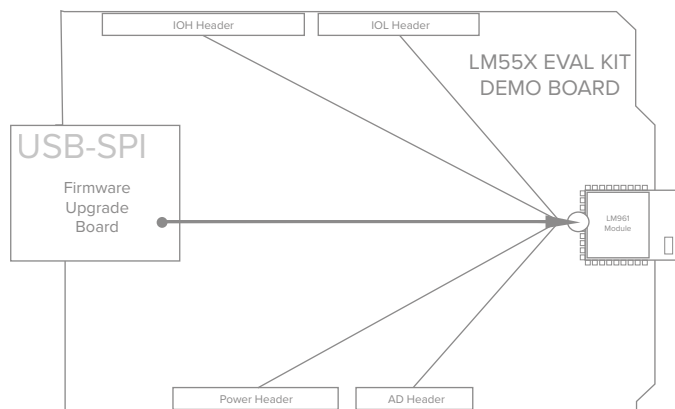
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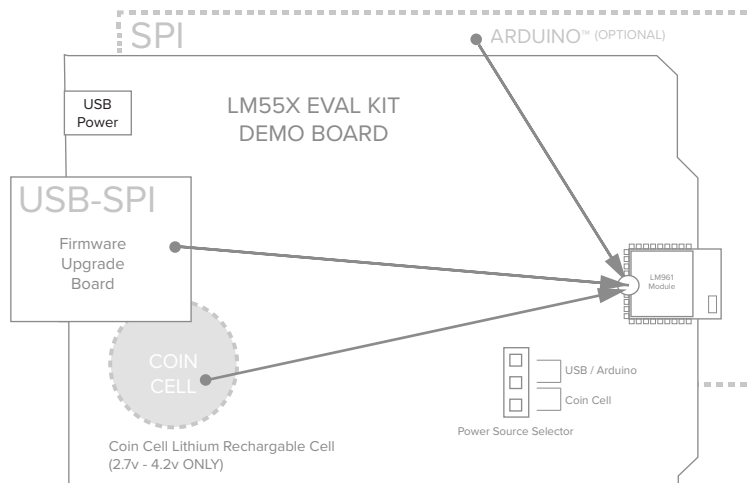
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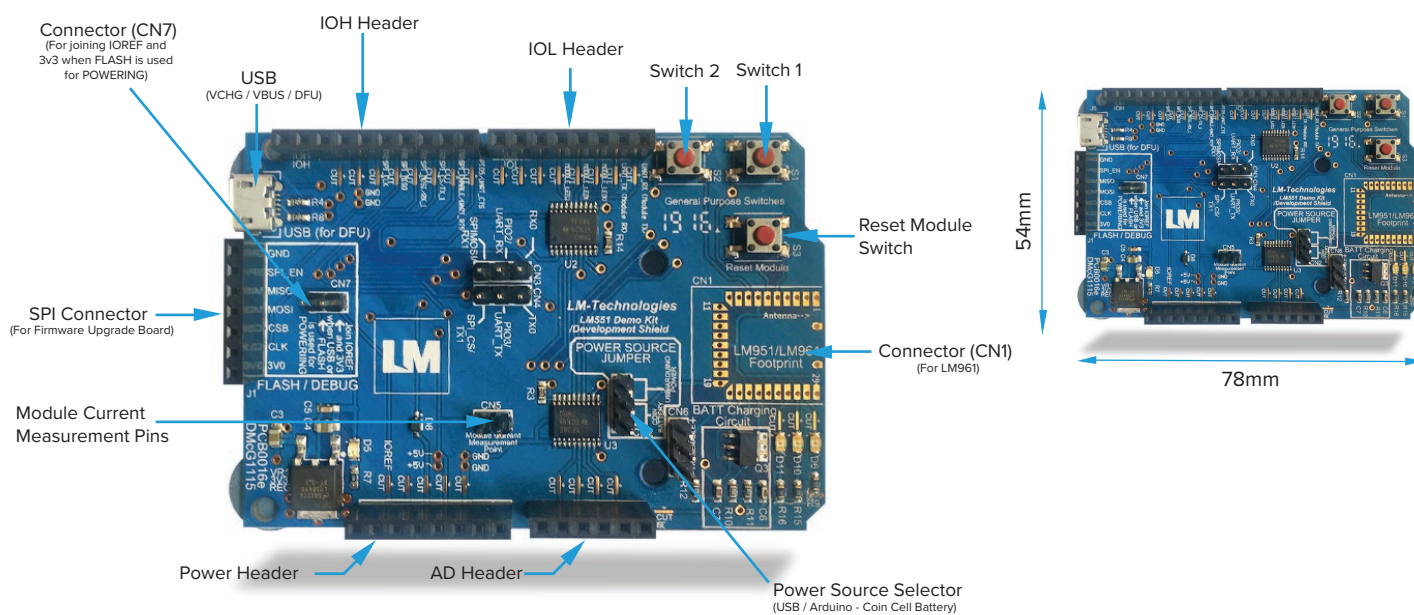
### System Block Diagram



### Three Power Options



### Hardware Layout

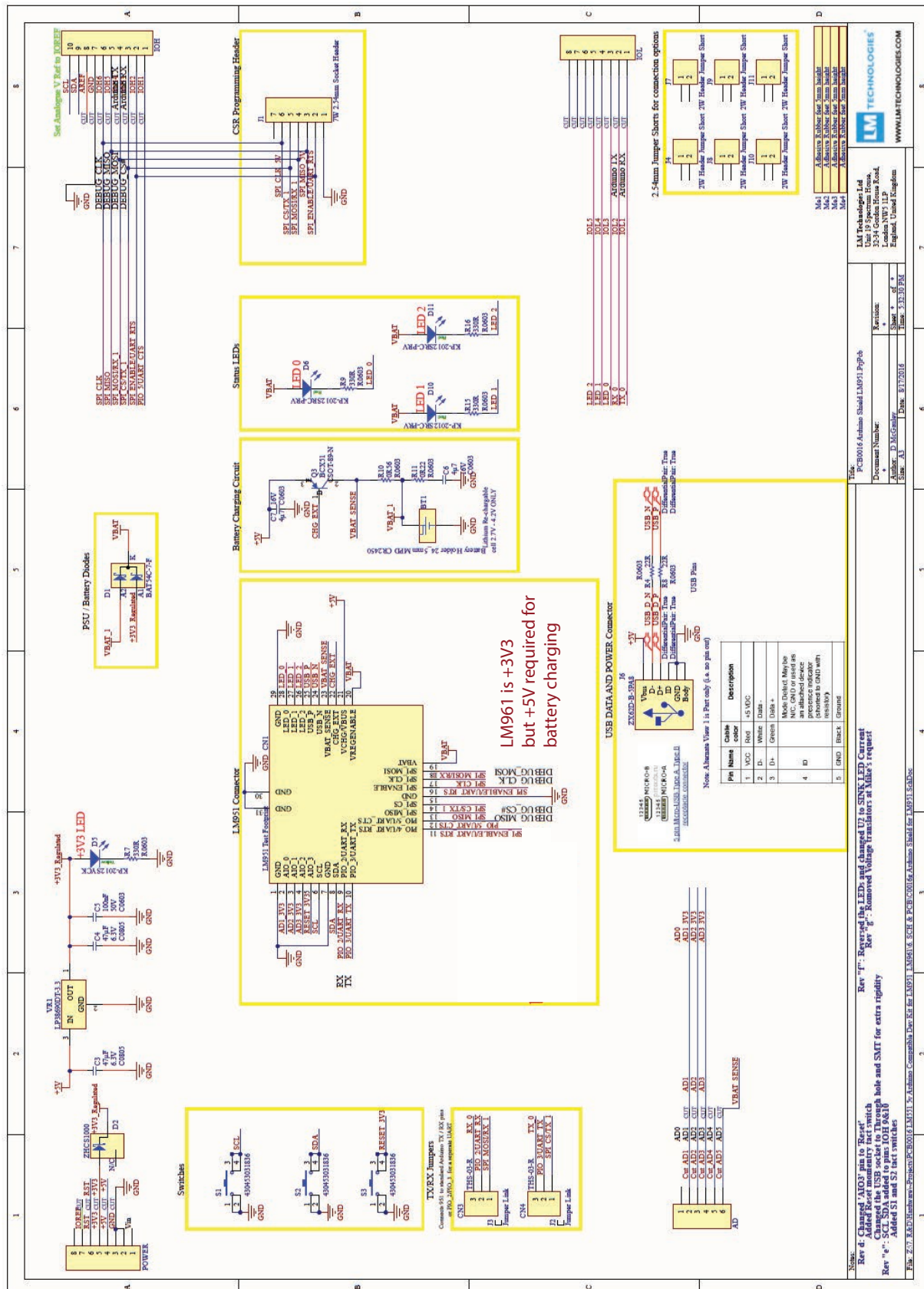


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### Schematic



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For LM961 Bluetooth® Dual Mode Module

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### Datasheet Version Notes

v1.0	13 MAR 2018	Added version notes to datasheet.
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- Product User Guides, Manuals and Configuration Software can be downloaded via our website - <http://www.lm-technologies.com/downloads>



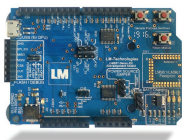
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See Below

### LM55X Packaging Options



551-0560

#### LM551 EVALUATION BOARD

1 x LM551 Evaluation Board



550-0562

#### LM550 EVALUATION KIT

1 x LM551 Evaluation Board  
1 x LM961 Plug & Play 9dBm IC Ant Module  
1 x LIR2450 Coin Cell Battery

IC

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