

# System Layout Design

## Front Side

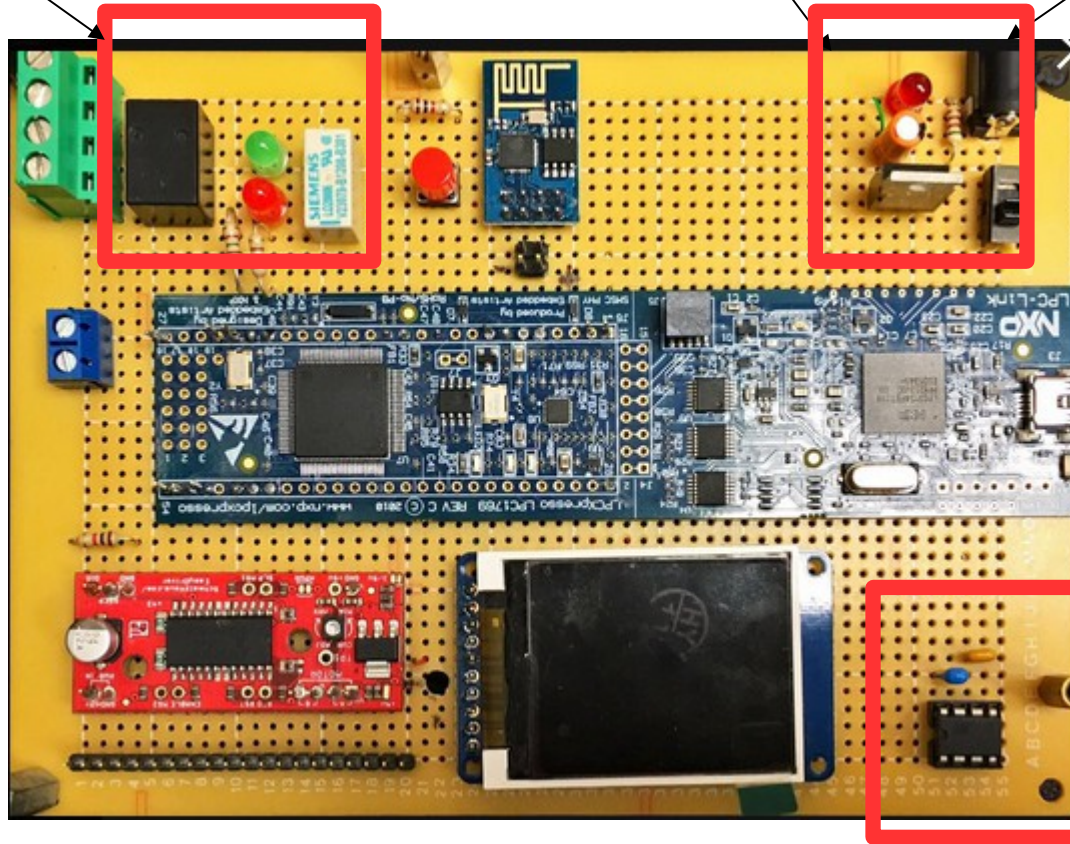
GPIO testing circuit  
with solid state relay

PWR circuit unit

J1: PWR  
Connector

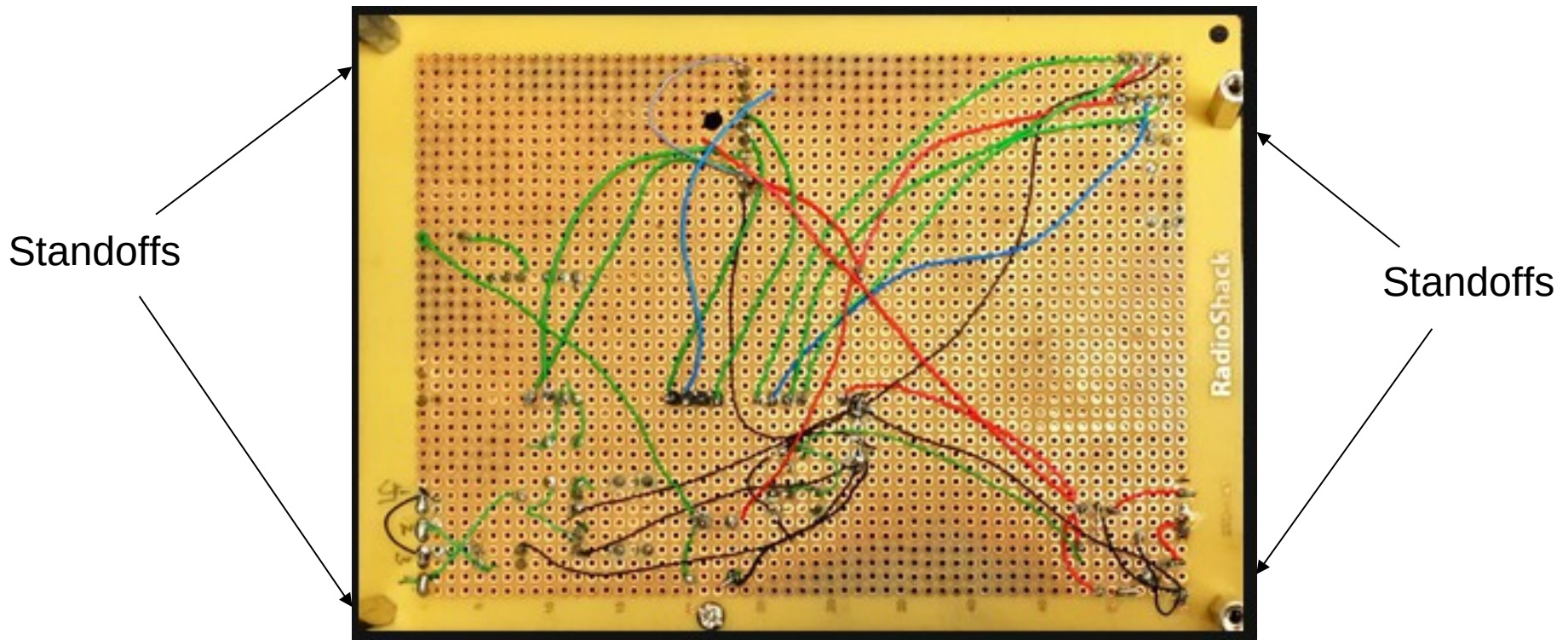
LPC1769

SPI I/F Flash



Dimension: 16 x 11 mm or 6.25 x 4.50 inch

# System Layout Design Back Side



Wire soldered or wire wrapped

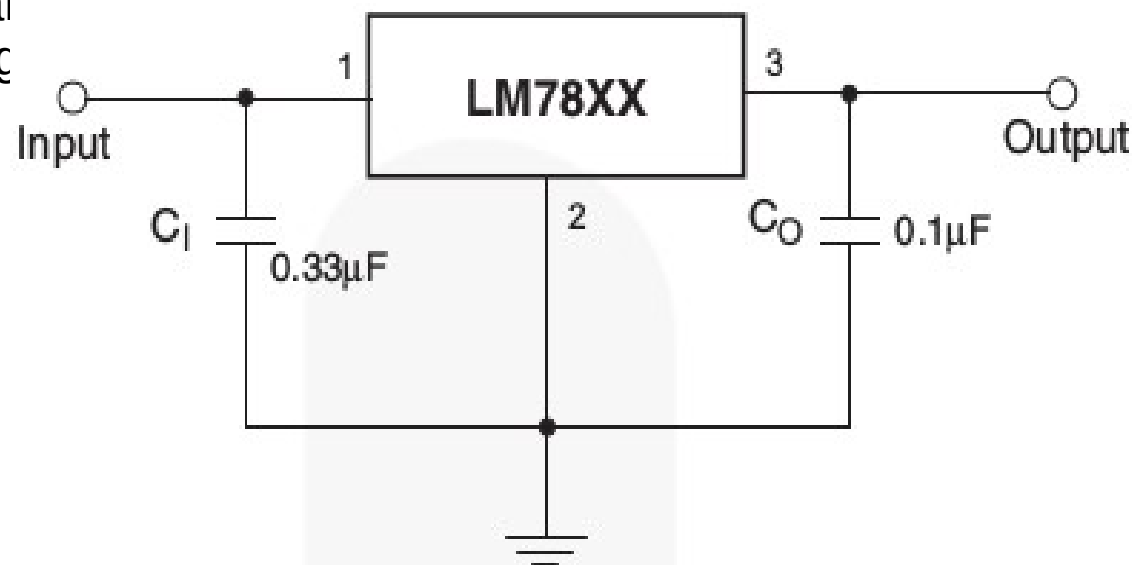
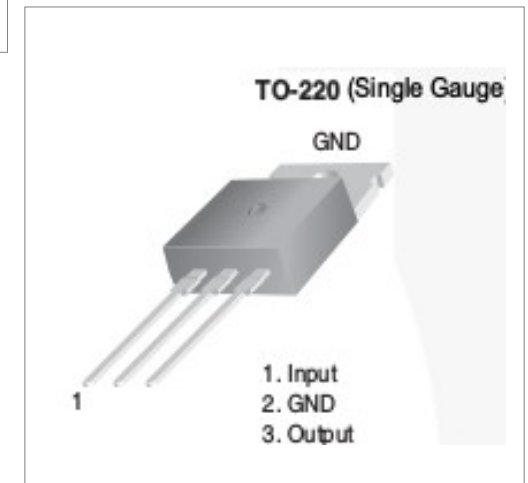
# PWR Regulator LM7805



LM78XX / LM78XXA

3-Terminal 1 A Positive Voltage Regulator

The LM78XX series of three-terminal positive regulators is available in the TO-220 package and with several fixed output voltages, making them useful in a wide range of applications. Each type employs internal current limiting, thermal shut-down, and safe operating area protection. If adequate heat sinking is provided, they can deliver over 1 A output current. Although designed primarily as fixed-voltage regulators, these devices can also be used as adjustable voltage regulators.



Note: 1. Voltage drop 1.5 volt;  
2. current output 1 A.

