



# MSP430AFE253 Experimenter Board

## User Guide

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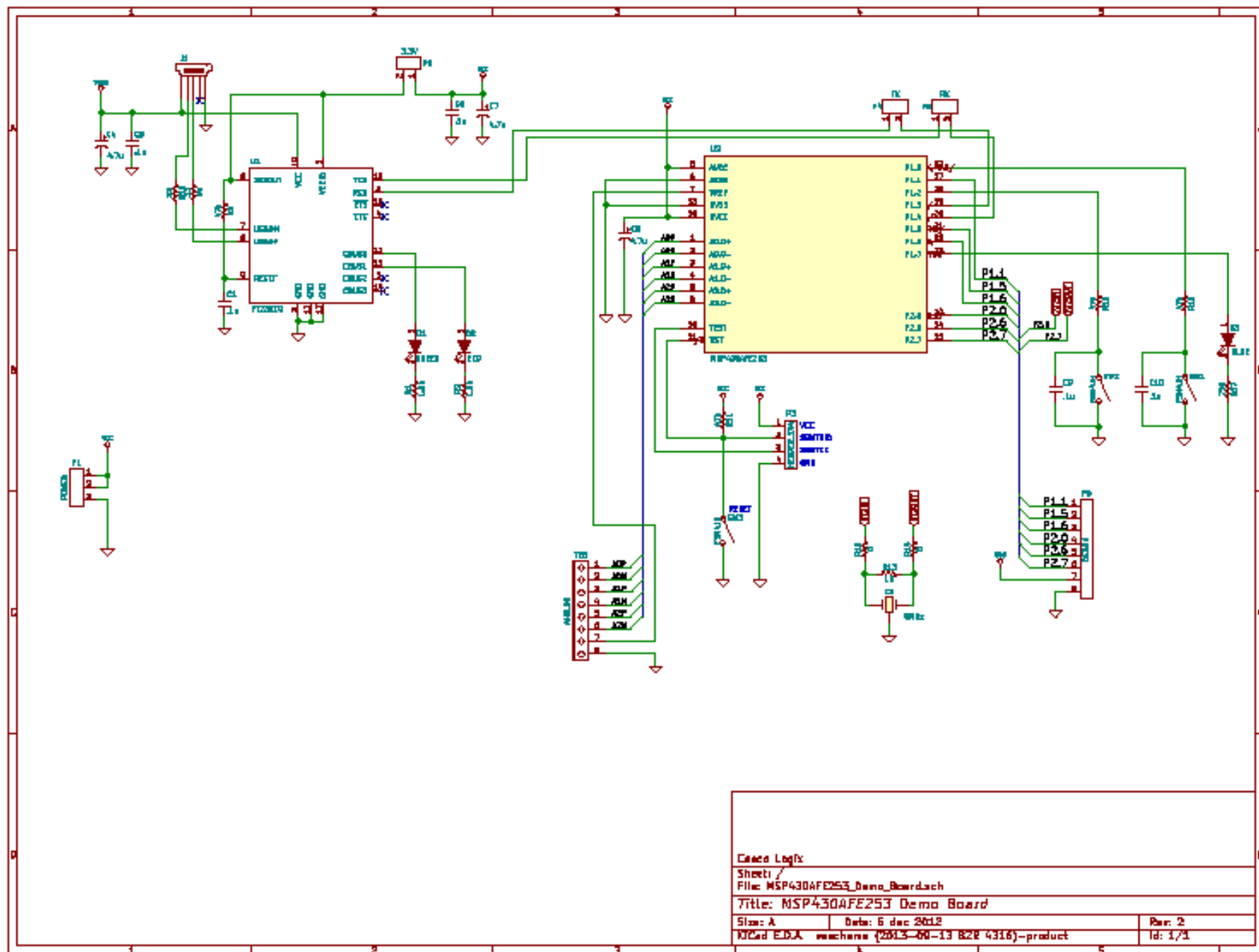
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## 1 Features

- Texas Instruments MSP430AFE253 with 2kB Flash and 512 bytes of RAM
- 8MHz Ceramic Resonator
- 10-position screw terminal block for up to 3 differential analog inputs, power and ground
- 10-position 100-mil pitch male pin header for easy access to 6 GPIO pins
- Mini USB connector supplies power and virtual com port
- On-board USB-serial converter IC for easy serial port communication
- 3 pushbuttons; 1 for Reset and 2 for application-defined user input
- 1x4 x 100-mil pitch male pin header for Texas Instruments' Spy-Bi-Wire debug interface
- 1 blue LED for application-defined visual feedback
- RX and TX LED for visual feedback of USB-to-serial converter communication activity
- 1x3 x 100-mil pitch male pin header for external 3.3V power input
- Removable jumpers for isolating the RX and TX lines and 3.3V supply to the on-board USB-serial converter IC allows verification of ultra-low power consumption features of your application on the MSP430

## 2 Schematic



### 3 Board Features

# 4 Board Layout