Digital IC Tester

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Project Overview

- To design a Digital Integrated Circuit tester (IC tester)
- Need for IC tester
  - No generalized hardware circuit available
3x4 Matrix Keypad

- 3x4 Matrix keypad for entering the number of the IC to be tested
- Directly interfaced to the MSP430
- Acquired
To display the IC number and if it’s functioning properly.

- Interfaced to MSP430 through EDE702
- Acquired
LCD interface

- To interface the LCD display with MSP430
- Receives data for LCD serially through a single pin
- Ordered
IC Socket

- To hold the corresponding IC for testing
- Acquired
Overall Progress

- Initial research on the project done
- Hardware block diagram finalized
- Required components obtained
- Working on the interfacing of individual components with MSP430
Work for next report

- Hardware interfacing of components will be completed
- Testing and initial debugging
Plan B

- Pin constraint
- Multiplexing the port of keypad and IC socket
Thank you