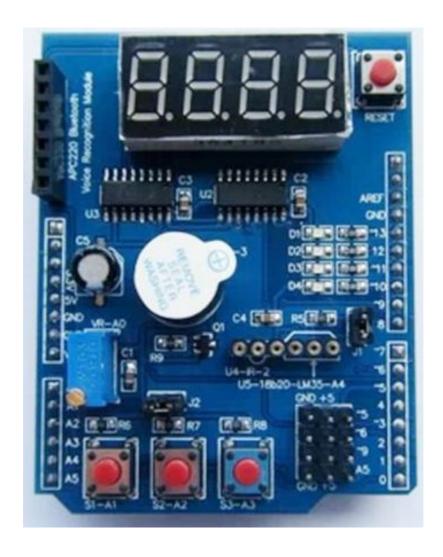
Funduino Multi-Function Shield



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INTRODUCTION

- 1.1 Purpose and Scope
- 1.2 Related Documents
- 1.2.1 Schematic Schematic.pdf

2 PIN MAPPING

Pin to component mapping for the Funduino Multi-function shield – K74544BS

2.1 Table

Digital Pin	Component	Description
0		Receive Pin (arduino defined)
1		Transmit Pin (arduino defined)
2		
3~	Piezo Buzzer	
4	4 Digit LED Display*	Latch pin
5~	Header Block top row	Male Header block beside switches
6~	Header Block 2 nd from top	Male Header block beside switches
7~	4 Digit LED Display*	Clock pin
8	4 Digit LED Display*	Data pin
9~	Header Block 3 rd from top	Male Header block beside switches
10~	Led D4	
11~	Led D3	
12	Led D2	
13~	Led D1	On the Leonardo is PWM.
Analog Pin	Component	Description
0	10k Variable Potentiometer	Blue.
1	Switch S1-A1	Left bottom button
2	Switch S1-A2	Middle Bottom Button
3	Switch S1-A3	Right Bottom Button
4	LM 35 Header	Open for use.
5	Header block bottom row	Male Header block beside switches

2.2 Chips

The latch pin (LCHCLK) connects to chip pin 12 on both u2 and u3 chips.

The clock pin (SFTCLK) connects to chip pin 12 on both u2 and u3 chips.

The data pin (SD1) connexts to pin 14 on the u2 the SD1 pin 14 on the U3 chip daisey chains to the u2 SD0 pin 9.

^{*}Chips for the 4 digit LED display use 2 MC74HC595AD chips labeled U2 and U3.

3 NOT YET DOCUMENTED.

- Jumper block labeled labeled J1 and J2.
- APC Blue Tooth Voice Recognition Module header
- DS18B20 temperature sensor interface
- LM35 temperature sensor interface

4 REFERENCE WEBSITES.

http://forum.arduino.cc/index.php?topic=241428.0

5 APPENDIX.