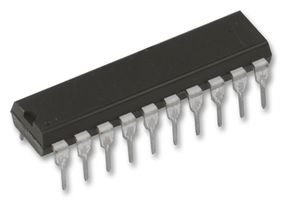
**Components used:**

Mux Shield (DEPRECATED)

|  |  |
| --- | --- |
| Mux Shield II | [User Guide](http://cdn.sparkfun.com/datasheets/Dev/Arduino/Shields/Mux_Shield_II_User_Guide.pdf)  [schematic](http://cdn.sparkfun.com/datasheets/Dev/Arduino/Shields/Mux_Shield_II_Rev0%20Schematic.pdf)  [Arduino library](http://cdn.sparkfun.com/datasheets/Dev/Arduino/Shields/MuxShield.zip) |

74HCT373N OCTAL D TYPE TRANS LATCH, 3-STATE (DEPRECATED)



SainSmart IIC/I2C/TWI Serial 2004 20x4 LCD Module Shield for Arduino Raspberry Pi

|  |  |
| --- | --- |
| http://d1j1kxp9fqehmk.cloudfront.net/catalog/product/cache/1/thumbnail/9df78eab33525d08d6e5fb8d27136e95/0/1/01_1.jpg | [module link](http://www.sainsmart.com/sainsmart-iic-i2c-twi-serial-2004-20x4-lcd-module-shield-for-arduino-uno-mega-r3.html#customer-reviews)  For using with Arduino, look at these links with libraries that are used in the relay code, instead of the default Arduino LCD library: [1](https://bitbucket.org/fmalpartida/new-liquidcrystal/wiki/Home), [2](https://bitbucket.org/fmalpartida/new-liquidcrystal/downloads), and [3](https://bitbucket.org/fmalpartida/new-liquidcrystal/wiki/I2CIO).  For connecting the module to Arduino, use the I2Cscanner code found [here](http://arduinotronics.blogspot.com/2014/02/sainsmart-i2c-lcd.html). |

SainSmart 8 Channel DC 5V Relay Module for Arduino Raspberry Pi

|  |  |
| --- | --- |
| http://d1j1kxp9fqehmk.cloudfront.net/catalog/product/cache/1/image/9df78eab33525d08d6e5fb8d27136e95/1/_/1_43.jpg | [module link](http://www.sainsmart.com/8-channel-dc-5v-relay-module-for-arduino-pic-arm-dsp-avr-msp430-ttl-logic.html)  [**other docs**](http://www.selloutsoon.com/albums/documents/20-018-102/8+Relay+Module.rar) |