

SparkFun APDS-9960 RGB/Gesture Sensor Arduino Library

33 commits

1 branch

2 releases

5 contributors

tag: V_1.4.1 SparkFun_APDS-9960_Sensor_Arduino_Library / +

Adding version number to README



ToniCorinne authored on May 14

latest commit e60af2cdf0

examples	Restructured	2 months ago
src	Restructured	2 months ago
.gitattributes	Fix the .gitignore and .gitattributes files	2 years ago
.gitignore	Add a few SF useful items to .gitignore	2 years ago
LICENSE.md	Removing unnecessary files, updating library properties	a month ago
README.md	Adding version number to README	a month ago
library.properties	Removing unnecessary files, updating library properties	a month ago

README.md

SparkFun APDS9960 RGB and Gesture Sensor Arduino Library

*Avago APDS-9960 Breakout Board (SEN-12787)*

Getting Started

- Download the Git repository as a ZIP ("Download ZIP" button)
- Unzip
- Copy the entire library directory (APDS-9960_RGB_and_Gesture_Sensor_Arduino_Library) to <Arduino installation directory>/libraries
- Open the Arduino program
- Select File -> Examples -> SparkFun_APDS9960 -> GestureTest
- Plug in your Arduino and APDS-9960 with the following connections

-OR-

- Use the library manager

Arduino Pin	APDS-9960 Board	Function

<> Code

Issues 0

Pull requests 0

Pulse

Graphs

HTTPS clone URL

[https://github.com/!](https://github.com/sparkfun/SparkFun_APDS-9960_Sensor_Arduino_Library)You can clone with [HTTPS](#) or [Subversion](#).

Clone in Desktop

Download ZIP

3.3V	VCC	Power
GND	GND	Ground
A4	SDA	I2C Data
A5	SCL	I2C Clock
2	INT	Interrupt

- Go to Tools -> Board and select your Arduino board
- Go to Tools -> Serial Port and select the COM port of your Arduino board
- Click "Upload"
- Go to Tools -> Serial Monitor
- Ensure the baud rate is set at 9600 baud
- Swipe your hand over the sensor in various directions!

Repository Contents

- **/examples** - Example sketches for the library (.ino). Run these from the Arduino IDE.
- **/src** - Source files for the library (.cpp, .h).
- **library.properties** - General library properties for the Arduino package manager.

Documentation

- **Installing an Arduino Library Guide** - Basic information on how to install an Arduino library.
- **Product Repository** - Main repository (including hardware files) for the SparkFun_APDS9960 RGB and Gesture Sensor.
- **Hookup Guide** - Basic hookup guide for the sensor.

Products that use this Library

- [SEN-12787](#)- Avago APDS-9960

Version History

- [V_1.4.1](#) - Removing blank files, updating library.properties file.
- [V_1.4.0](#) - Updated to new library structure
- [V_1.3.0](#) - Implemented disableProximitySensor(). Thanks to jmg5150 for catching that!
- [V_1.2.0](#) - Added pinMode line to GestureTest demo to fix interrupt bug with some Arduinos
- [V_1.1.0](#) - Updated GestureTest demo to not freeze with fast swipes
- [V_1.0.0](#): Initial release
- Ambient and RGB light sensing implemented
- Ambient light interrupts working
- Proximity sensing implemented
- Proximity interrupts working
- Gesture (UP, DOWN, LEFT, RIGHT, NEAR, FAR) sensing implemented

License Information

This product is **open source!**

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