



sparkfun / SparkFun_APDS-9960_Sensor_Arduino_Library

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SparkFun APDS-9960 RGB/Gesture Sensor Arduino Library

34 commits

1 branch

1 release

4 contributors

Tag: V_1.4.2

New pull request

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ToniCorinne Updating library name

Latest commit 347a7d5 on Jul 21, 2015

examples	Restructured	2 years ago
src	Restructured	2 years ago
.gitattributes	Fix the .gitignore and .gitattributes files	4 years ago
.gitignore	Add a few SF useful items to .gitignore	3 years ago
LICENSE.md	Removing unnecessary files, updating library properties	2 years ago
README.md	Adding version number to README	2 years ago
library.properties	Updating library name	a year 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
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

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