Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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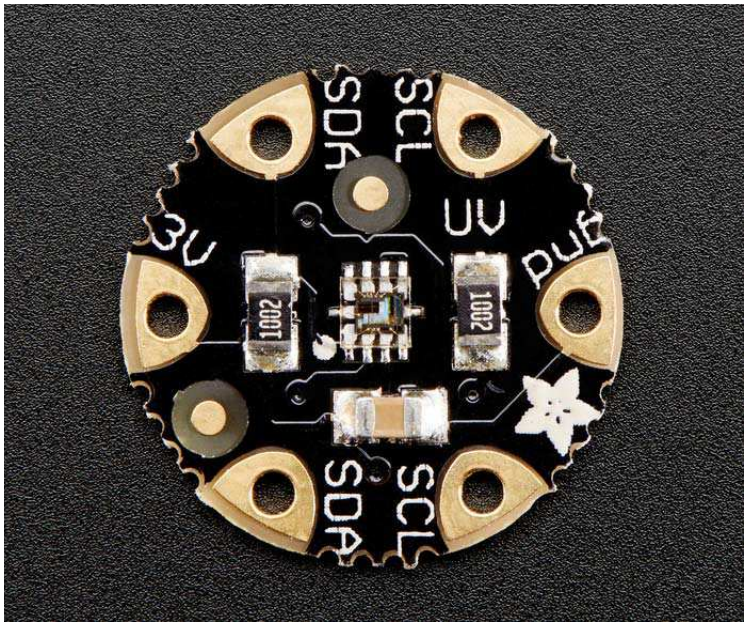

Flora UV Index Sensor - Si1145 Light Sensor

PRODUCT ID: 1981

Your wearable can now keep you from getting sunburnt, with the Flora digital UV index sensor. We took our popular SI1145 UV index sensor and cut out everything you don't need for using with a Flora. It's small, round, and connects to the I2C bus pads. Flora can even use our library code to get calibrated light level and UV index data from the sensor.

Please note: this sensor can be used by Flora but is too complex for Gemma!

To use: connect the 3V, SDA and SCL, and GND pads of the sensor to your Flora 3V/SDA/SCL/GND pads, in that order. Then load up our Arduino library and example code from our tutorial to your Flora.

Technical Details

SI1145 Details:

- IR Sensor Spectrum: Wavelength: 550nm-1000nm (centered on 800)
- Visible Light Sensor Spectrum: Wavelength: 400nm-800nm (centered on 530)
- Voltage Supply: Power with 3 VDC
- I2C address 0x60 (7-bit)
- Operating Temperature: -40°C ~ 85°C

Breakout Board details:

- Diameter: 14mm / 0.6"
- Height: 2mm / 0.08"
- Weight: 0.3g

Datasheets, Fritzing objects, and EagleCAD PCB files available in the tutorial

https://www.adafruit.com/product/1981?gclid=EAIaIQobChMIpM-Nwdba2gIVwsDACh3YlQzdEAAYASAAEgJINvD_BwE 4-27-18