

I2C addresses!

Created by lady ada



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0x1A	9
0x1B	9
0x1C	9
0x1D	9
0x1E	10
0x1F	10
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0x20	10
0x21	10
0x22	10
0x23	11
0x24	11
0x25	11
0x26	11
0x27	11
0x28	11
0x29	11
0x2A	12
0x2B	12

0x2C		12
0x2D		12
0x30 -	0x3F	12
0x34		12
0x38		12
0x39		12
0x3C		12
0x3D		13
0x40 -	0x4F	13
0x40		13
0x41		13
0x42		13
0x43		13
0x44		14
0x45		14
0x46		14
0x47		14
0x48		14
0x49		15
0x4A		15
0x4B		15
0x4C		15
0x4D		15
0x4E		15
0x4F		15
0x50 -	0x5F	15
0x50		15
0x51		16
0x52		16
0x53		16
0x54		16
0x55		16
0x56		16
0x57		16
0x58		16
0x5A		16
0x5B		17
0x5C		17
0x5D		17

0x60 - 0x6F	17
0x60	17
0x61	17
0x62	18
0x63	18
0x64	18
0x65	18
0x66	18
0x67	18
0x68	18
0x69	18
0x6A	19
0x6B	19
0x70 - 0x7F	19
0x70	19
0x71	19
0x72	19
0x73	19
0x74	20
0x75	20
0x76	20
0x77	20
0x78 0x79 0x7A 0x7B - Reserved for 10-bit I2	C Addressing 20
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Overview

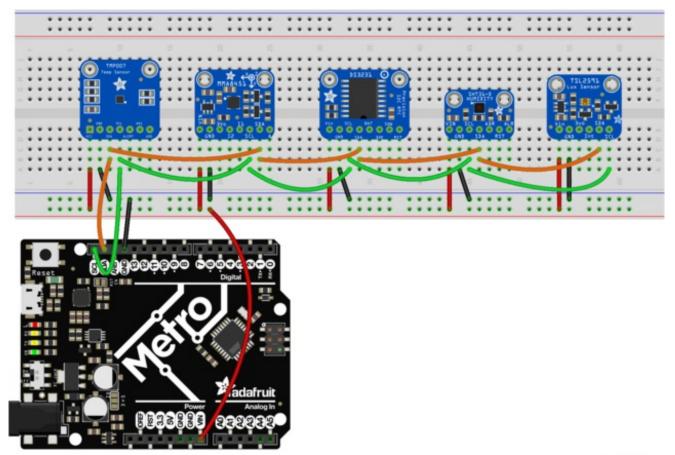
When people need to communicate with each other, we use language. If two people speak the same language, they can talk all they want about all sorts of topics. If they don't speak the same language, communication is difficult. Likewise, electronic parts need to communicate - and they also have their own languages. There are a few common languages that are spoken. The most popular ones are TTL Serial, SPI, I2C, I2S, 1-Wire, and Parallel (such as 8080 or 6800). Of these, Parallel and SPI can 'share a bus' using a select line - multiple devices can share the pins as long as they have a single pin that can be used to indicate who is permitted to speak at one time. 1-Wire and I2C are true shared-bus protocols - you can have 100+ components all talking at once using the same 2 wires (for I2C) or 1-wire (for the aptly-named 1-wire). 1-Wire is much slower than I2C and is a strongly-patented protocol owned by Maxim so you won't see a lot of devices out there other than Maxim/Dallas parts that use 1-wire.

I2C - Inter-Integrated Circuit communications!

This guide doesn't cover the nitty-gritty details of I2C, other than to note that you can connect *multiple* I2C devices (often referred to as "I2C slaves") to a single I2C controller (a.k.a "I2C master") using only two wires.

For example, in this diagram, one Metro (e.g. Arduino compatible) connects to 5 devices.

In general, you can only have one controller and up to 127 devices. (There are exceptions such as multi-master and 10-bit address devices but they are so rare and we've never seen them in practice)



<u>I2C demo fritzing file</u> http://adafru.it/y6a fritzing

I2C is incredibly popular because it uses only 2 wires, and like we said, multiple devices can share those wires, making it a great way to connect tons of sensors, drivers, expanders, without using all the microcontroller pins. The only bad news about I2C is that **each I2C device must have a unique address**- and the addresses only range from 0 to 127 (aka 0 to 0x7F hex). One thing this means is that if you have two accelerometers (lets say) and they both have address 0x22 you cannot have both of them on the same I2C lines.

There are a few work-arounds:

- One is you might be able to power down or 'de-select' one sensor or another at a time.
- Another is that some boards have an address-select line or jumper or other configuration. If you can set one to a different address you're good to go.
- Some devices have a software-reprogrammable address, where they come up as one address on boot but can be told to change address. Oftentimes, the new address is forgotten on reboots, so you have to de-power all the other similarly-addressed devices while you do so.

• You can use an I2C multiplexer like the TCA9548A(http://adafru.it/y6b) which will let you use one I2C address to talk to the multiplexer and tell it which lane you want to enable

Since we deal with so many I2C devices we thought it would be handy to have a table with all the most common sensors and modules we encounter, and their I2C address!

Continue onto the next page to see our current list



The List

OMG Can you believe it? We didn't include every I2C device in the known universe! Fear not, if you post up in the Adafruit forums with your favorite I2C device and the 7-bit addresses they use, we'll update this list! (eventually)

All I2C addresses here are in 7-bit format

Special cases:

- PCA9685 can be used by any address between 0x40 to 0x7F (http://adafru.it/dUG)
- 0x00 0x07 and 0x78 0x7F are reserved I2C addresses

0x00 - 0x0F

0x00 - Reserved - General Call Address

0x01 - Reserved for CBUS Compatibility

0x02 - Reserved for I2C-compatible Bus Variants

0x03 - Reserved for Future Use

0x04, 0x05, 0x06, 0x07 - Reserved for Hs-mode Master

0x0E

• MAG3110 3-Axis Magnetometer (0x0E only)

0x10 - 0x1F

0x11

• Si4713 FM Transmitter with RDS (http://adafru.it/dFH) (0x11 or 0x63)

VCNL40x0 proximity sensor (http://adafru.it/keN) (0x13 only)

0x18

- MCP9808 temp sensor (http://adafru.it/e06) (0x18 0x1F)
- LIS3DH 3-axis accelerometer (http://adafru.it/uBq)(0x18 or 0x19)
- <u>LSM303 Accelerometer & Magnetometer</u> (http://adafru.it/dNY) (0x19 for accelerometer and 0x1E for magnetometer)

0x19

- MCP9808 temp sensor (http://adafru.it/e06) (0x18 0x1F)
- LIS3DH 3-axis accelerometer (http://adafru.it/uBq)(0x18 or 0x19)

0x1A

MCP9808 temp sensor (http://adafru.it/e06) (0x18 - 0x1F)

0x1B

MCP9808 temp sensor (http://adafru.it/e06) (0x18 - 0x1F)

0x1C

- MCP9808 temp sensor (http://adafru.it/e06) (0x18 0x1F)
- MMA845x 3-axis Accelerometer (http://adafru.it/dLV) (0x1C or 0x1D)
- <u>FXOS8700 Accelerometer/Magnetometer</u> (http://adafru.it/y6c) (0x1C, 0x1D, 0x1E or 0x1F)
- MMA7455L (0x1C or 0x1D)

0x1D

- MCP9808 temp sensor (http://adafru.it/e06) (0x18 0x1F)
- MMA845x 3-axis Accelerometer (http://adafru.it/dLV) (0x1C or 0x1D)
- <u>FXOS8700 Accelerometer/Magnetometer</u> (http://adafru.it/y6c) (0x1C, 0x1D, 0x1E or 0x1F)
- LSM9DS0 9-axis IMU (http://adafru.it/vAu) (0x1D or 0x1E for Accel/Mag, 0x6A or

- 0x6B for Gyro)
- ADXL345 3-axis accelerometer (http://adafru.it/y6d) (0x1D or 0x53)
- MMA7455L (0x1C or 0x1D)

0x1E

- MCP9808 temp sensor (http://adafru.it/e06) (0x18 0x1F)
- <u>FXOS8700 Accelerometer/Magnetometer</u> (http://adafru.it/y6c) (0x1C, 0x1D, 0x1E or 0x1F)
- <u>LSM303 Accelerometer & Magnetometer</u> (http://adafru.it/dNY) (0x19 for accelerometer and 0x1E for magnetometer)
- LSM9DS0 9-axis IMU (http://adafru.it/vAu) (0x1D or 0x1E for Accel/Mag, 0x6A or 0x6B for Gyro)
- HMC5883 Magnetometer (http://adafru.it/y6e) (0x1E only)

0x1F

- MCP9808 temp sensor (http://adafru.it/e06) (0x18 0x1F)
- <u>FXOS8700 Accelerometer/Magnetometer</u> (http://adafru.it/y6c) (0x1C, 0x1D, 0x1E or 0x1F)

0x20-0x2F

0x20

- <u>FXAS21002 Gyroscope</u> (http://adafru.it/y6c) (0x20 or 0x21)
- Chirp! Water sensor (http://adafru.it/dEv) (0x20)
- MCP23008 I2C GPIO expander (http://adafru.it/y6f) (0x20 0x27)
- MCP23017 I2C GPIO expander (http://adafru.it/sCR) (0x20 0x27)

0x21

- FXAS21002 Gyroscope (http://adafru.it/y6c) (0x20 or 0x21)
- MCP23008 I2C GPIO expander (http://adafru.it/y6f) (0x20 0x27)
- MCP23017 I2C GPIO expander (http://adafru.it/sCR) (0x20 0x27)

0x22

MCP23008 I2C GPIO expander (http://adafru.it/y6f) (0x20 - 0x27)

• MCP23017 I2C GPIO expander (http://adafru.it/sCR) (0x20 - 0x27)

0x23

- MCP23008 I2C GPIO expander (http://adafru.it/y6f) (0x20 0x27)
- MCP23017 I2C GPIO expander (http://adafru.it/sCR) (0x20 0x27)

0x24

- MCP23008 I2C GPIO expander (http://adafru.it/y6f) (0x20 0x27)
- MCP23017 I2C GPIO expander (http://adafru.it/sCR) (0x20 0x27)

0x25

- MCP23008 I2C GPIO expander (http://adafru.it/y6f) (0x20 0x27)
- MCP23017 I2C GPIO expander (http://adafru.it/sCR) (0x20 0x27)

0x26

- MCP23008 I2C GPIO expander (http://adafru.it/y6f) (0x20 0x27)
- MCP23017 I2C GPIO expander (http://adafru.it/sCR) (0x20 0x27)

0x27

- MCP23008 I2C GPIO expander (http://adafru.it/y6f) (0x20 0x27)
- MCP23017 I2C GPIO expander (http://adafru.it/sCR) (0x20 0x27)

0x28

- BNO055 IMU (http://adafru.it/fE0) (0x28 or 0x29)
- CAP1188 8-channel Capacitive Touch (http://adafru.it/eZT) (0x28 0x2D)

- BNO055 IMU (http://adafru.it/fE0) (0x28 or 0x29)
- TCS34725 color sensor (http://adafru.it/keM) (0x29 only)
- TSL2561 (http://adafru.it/dvU) light sensor (0x29, 0x39 or 0x49)
- TSL2591 light sensor (http://adafru.it/dGE)(0x29 only)
- <u>VL53L0x</u> (http://adafru.it/y6A) ToF distance (0x29, software selectable)

- VL6180X ToF sensor (http://adafru.it/y6B) (0x29)
- CAP1188 8-channel Capacitive Touch (http://adafru.it/eZT) (0x28 0x2D)

0x2A

CAP1188 8-channel Capacitive Touch (http://adafru.it/eZT) (0x28 - 0x2D)

0x2B

CAP1188 8-channel Capacitive Touch (http://adafru.it/eZT) (0x28 - 0x2D)

0x2C

• CAP1188 8-channel Capacitive Touch (http://adafru.it/eZT) (0x28 - 0x2D)

0x2D

• CAP1188 8-channel Capacitive Touch (http://adafru.it/eZT) (0x28 - 0x2D)

0x30 - 0x3F

0x34

0x38

- VEML6070 UV Index (http://adafru.it/y6C) (0x38 and 0x39)
- FT6x06 Capacitive Touch Driver (http://adafru.it/y6D) (0x38 only)

0x39

- TSL2561 light sensor (http://adafru.it/dvU) (0x29, 0x39 or 0x49)
- VEML6070 UV Index (http://adafru.it/y6C) (0x38 and 0x39)
- APDS-9960 IR/Color/Proximity Sensor (0x39 only)

0x3C

 <u>SSD1305 monochrome OLED</u> (http://adafru.it/y6E) (0x3C or 0x3D, hardware selectable on some displays with a solder connection) • <u>SSD1306 monochrome OLED</u> (http://adafru.it/e3D) (0x3C or 0x3D, hardware selectable on some displays with a solder connection)

0x3D

- <u>SSD1305 monochrome OLED</u> (http://adafru.it/y6E) (0x3C or 0x3D, hardware selectable on some displays with a solder connection)
- <u>SSD1306 monochrome OLED</u> (http://adafru.it/e3D) (0x3C or 0x3D, hardware selectable on some displays with a solder connection)

0x40 - 0x4F

0x40

- Si7021 Humidity/Temp sensor (http://adafru.it/y6F) (0x40 only)
- HTU21D-F Humidity/Temp Sensor (0x40 only) (http://adafru.it/y7a)
- HDC1008 Humidity/Temp sensor (http://adafru.it/y7b) (0x40, 0x41, 0x42 or 0x43)
- TMP007 IR Temperature sensor (http://adafru.it/y7c) (0x40 0x47)
- TMP006 IR Temperature sensor (http://adafru.it/dMS) (0x40 0x47)
- PCA9685 16-channel PWM driver default address (http://adafru.it/dUG) (0x40 0x7F)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)

0x41

- HDC1008 Humidity/Temp sensor (http://adafru.it/y7b) (0x40, 0x41, 0x42 or 0x43)
- TMP007 IR Temperature sensor (http://adafru.it/y7c) (0x40 0x47)
- TMP006 IR Temperature sensor (http://adafru.it/dMS) (0x40 0x47)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)
- STMPE610/STMPE811 Resistive Touch controller (http://adafru.it/y7e) (0x41 or 0x44)

0x42

- HDC1008 Humidity/Temp sensor (http://adafru.it/y7b) (0x40, 0x41, 0x42 or 0x43)
- TMP007 IR Temperature sensor (http://adafru.it/y7c) (0x40 0x47)
- TMP006 IR Temperature sensor (http://adafru.it/dMS) (0x40 0x47)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)

- HDC1008 Humidity/Temp sensor (http://adafru.it/y7b) (0x40, 0x41, 0x42 or 0x43)
- TMP007 IR Temperature sensor (http://adafru.it/y7c) (0x40 0x47)
- TMP006 IR Temperature sensor (http://adafru.it/dMS) (0x40 0x47)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)

- SHT31 Humidity/Temp sensor (0x44 or 0x45 selectable) (http://adafru.it/y7f)
- TMP007 IR Temperature sensor (http://adafru.it/y7c) (0x40 0x47)
- TMP006 IR Temperature sensor (http://adafru.it/dMS) (0x40 0x47)
- ISL29125 Color Sensor (0x44 only)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)
- STMPE610/STMPE811 Resistive Touch controller (http://adafru.it/y7e) (0x41 or 0x44)

0x45

- SHT31 Humidity/Temp sensor (0x44 or 0x45 selectable) (http://adafru.it/y7f)
- TMP007 IR Temperature sensor (http://adafru.it/y7c) (0x40 0x47)
- TMP006 IR Temperature sensor (http://adafru.it/dMS) (0x40 0x47)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)

0x46

- TMP007 IR Temperature sensor (http://adafru.it/y7c) (0x40 0x47)
- TMP006 IR Temperature sensor (http://adafru.it/dMS) (0x40 0x47)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)

0x47

- TMP007 IR Temperature sensor (http://adafru.it/y7c) (0x40 0x47)
- TMP006 IR Temperature sensor (http://adafru.it/dMS) (0x40 0x47)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)

- TMP102 Temperature sensor (0x48 0x49 0x4A or 0x4B)
- PN532 NFC/RFID reader (http://adafru.it/eOv) (0x48 only)
- <u>ADS1115 4-channel 16-bit ADC</u> (http://adafru.it/y7A) (0x48 0x49 0x4A or 0x4B)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)

- TSL2561 light sensor (http://adafru.it/dvU) (0x29, 0x39 or 0x49)
- TMP102 Temperature sensor (0x48 0x49 0x4A or 0x4B)
- ADS1115 4-channel 16-bit ADC (http://adafru.it/y7A) (0x48 0x49 0x4A or 0x4B)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)

0x4A

- TMP102 Temperature sensor (0x48 0x49 0x4A or 0x4B)
- ADS1115 4-channel 16-bit ADC (http://adafru.it/y7A) (0x48 0x49 0x4A or 0x4B)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)

0x4B

- TMP102 Temperature sensor (0x48 0x49 0x4A or 0x4B)
- ADS1115 4-channel 16-bit ADC (http://adafru.it/y7A) (0x48 0x49 0x4A or 0x4B)
- INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 0x4F)

0x4C

INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 - 0x4F)

0x4D

• INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 - 0x4F)

0x4E

• INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 - 0x4F)

0x4F

• INA219 High-Side DC Current/Voltage sensor (http://adafru.it/y7d) (0x40 - 0x4F)

0x50 - 0x5F

• MB85RC I2C FRAM (http://adafru.it/y7B) (0x50 - 0x57)

0x51

MB85RC I2C FRAM (http://adafru.it/y7B) (0x50 - 0x57)

0x52

- MB85RC I2C FRAM (http://adafru.it/y7B) (0x50 0x57)
- Nintendo Nunchuck controller (http://adafru.it/eQ5) (0x52 only)

0x53

- ADXL345 3-axis accelerometer (http://adafru.it/y6d) (0x1D or 0x53)
- MB85RC I2C FRAM (http://adafru.it/y7B) (0x50 0x57)

0x54

MB85RC I2C FRAM (http://adafru.it/y7B) (0x50 - 0x57)

0x55

• MB85RC I2C FRAM (http://adafru.it/y7B) (0x50 - 0x57)

0x56

• MB85RC I2C FRAM (http://adafru.it/y7B) (0x50 - 0x57)

0x57

- MB85RC I2C FRAM (http://adafru.it/y7B) (0x50 0x57)
- MAX3010x Pulse & Oximetry sensor (0x57)

0x58

• TPA2016 I2C-controlled Amplifier (http://adafru.it/elo) (0x58 only)

0x5A

- MPR121 12-point capacitive touch sensor (http://adafru.it/dKK) (0x5A, 0x5B, 0x5C, 0x5D)
- CCS811 VOC sensor (0x5A or 0x5B)
- MLX9061x IR temperature sensor (http://adafru.it/y7C) (0x5A only)
- DRV2605 Haptic Motor Driver (http://adafru.it/y7D) (0x5A only)

0x5B

- MPR121 12-point capacitive touch sensor (http://adafru.it/dKK) (0x5A, 0x5B, 0x5C, 0x5D)
- CCS811 VOC sensor (0x5A or 0x5B)

0x5C

- AM2315 Humidity/Temp sensor (0x5C only) (http://adafru.it/y7E)
- MPR121 12-point capacitive touch sensor (http://adafru.it/dKK) (0x5A, 0x5B, 0x5C, 0x5D)

0x5D

MPR121 12-point capacitive touch sensor (http://adafru.it/dKK) (0x5A, 0x5B, 0x5C, 0x5D)

0x60 - 0x6F

0x60

- MPL115A2 Barometric Pressure (0x60 only) (http://adafru.it/y7F)
- MPL3115A2 Barometric Pressure (0x60 only) (http://adafru.it/dsw)
- Si5351A Clock Generator (http://adafru.it/y8a) (0x60 or 0x61)
- Si1145 Light/IR Sensor (http://adafru.it/y8b) (0x60 only)
- MCP4725A0 12-bit DAC (0x60 or 0x61)
- TEA5767 Radio receiver (0x60 only)

- Si5351A Clock Generator (http://adafru.it/y8a) (0x60 or 0x61)
- MCP4725A0 12-bit DAC (0x60 or 0x61)

MCP4725A1 12-bit DAC (http://adafru.it/y8c) (0x62 or 0x63)

0x63

- MCP4725A1 12-bit DAC (http://adafru.it/y8c) (0x62 or 0x63)
- Si4713 FM Transmitter with RDS (http://adafru.it/dFH) (0x11 or 0x63)

0x64

MCP4725A2 12-bit DAC (0x64 or 0x65)

0x65

MCP4725A2 12-bit DAC (0x64 or 0x65)

0x66

• MCP4725A3 12-bit DAC (0x66 or 0x67)

0x67

• MCP4725A3 12-bit DAC (0x66 or 0x67)

0x68

This address is really popular with real time clocks, almost all of them use 0x68!

- AMG8833 IR Thermal Camera Breakout (0x68 or 0x69) (http://adafru.it/y8d)
- DS1307 RTC (0x68 only) (http://adafru.it/sd0)
- PCF8523 RTC (0x68 only) (http://adafru.it/sd5)
- DS3231 RTC (0x68 only) (http://adafru.it/sd6)
- MPU-9250 9-DoF IMU (0x68 or 0x69)
- MPU-60X0 Accel+Gyro (0x68 or 0x69)
- ITG3200 Gyro (0x68 or 0x69)

- AMG8833 IR Thermal Camera Breakout (0x68 or 0x69) (http://adafru.it/y8d)
- MPU-9250 (0x68 or 0x69)
- MPU-60X0 Accel+Gyro (0x68 or 0x69)
- ITG3200 Gyro (0x68 or 0x69)

0x6A

- L3GD20H gyroscope (http://adafru.it/dNY) (0x6A or 0x6B)
- LSM9DS0 9-axis IMU (http://adafru.it/vAu) (0x1D or 0x1E for Accel/Mag, 0x6A or 0x6B for Gyro)

0x6B

- L3GD20H gyroscope (http://adafru.it/dNY) (0x6A or 0x6B)
- LSM9DS0 9-axis IMU (http://adafru.it/vAu) (0x1D or 0x1E for Accel/Mag, 0x6A or 0x6B for Gyro)

0x70 - 0x7F

0x70

- TCA9548 1-to-8 I2C Multiplexer (http://adafru.it/y6b) (0x70 0x77)
- HT16K33 LED Matrix Driver (http://adafru.it/y8e) (0x70 0x77)

0x71

- TCA9548 1-to-8 I2C Multiplexer (http://adafru.it/y6b) (0x70 0x77)
- HT16K33 LED Matrix Driver (http://adafru.it/y8e) (0x70 0x77)

0x72

- TCA9548 1-to-8 I2C Multiplexer (http://adafru.it/y6b) (0x70 0x77)
- HT16K33 LED Matrix Driver (http://adafru.it/y8e) (0x70 0x77)

- TCA9548 1-to-8 I2C Multiplexer (http://adafru.it/y6b) (0x70 0x77)
- HT16K33 LED Matrix Driver (http://adafru.it/y8e) (0x70 0x77)

- <u>IS31FL3731 144-LED CharliePlex driver</u> (http://adafru.it/scC) (0x74 0x75 0x66 or 0x77)
- TCA9548 1-to-8 I2C Multiplexer (http://adafru.it/y6b) (0x70 0x77)
- HT16K33 LED Matrix Driver (http://adafru.it/y8e) (0x70 0x77)

0x75

- <u>IS31FL3731 144-LED CharliePlex driver</u> (http://adafru.it/scC) (0x74 0x75 0x66 or 0x77)
- TCA9548 1-to-8 I2C Multiplexer (http://adafru.it/y6b) (0x70 0x77)
- HT16K33 LED Matrix Driver (http://adafru.it/y8e) (0x70 0x77)

0x76

- BME280 Temp/Barometric/Humidity (0x76 or 0x77) (http://adafru.it/y8f)
- BMP280 Temp/Barometric (0x76 or 0x77) (http://adafru.it/ufr)
- <u>IS31FL3731 144-LED CharliePlex driver</u> (http://adafru.it/scC) (0x74 0x75 0x66 or 0x77)
- TCA9548 1-to-8 I2C Multiplexer (http://adafru.it/y6b) (0x70 0x77)
- HT16K33 LED Matrix Driver (http://adafru.it/y8e) (0x70 0x77)
- MS5607/MS5611 Barometric Pressure (0x76 or 0x77)

0x77

- BME280 Temp/Barometric/Humidity (0x76 or 0x77) (http://adafru.it/y8f)
- BMP280 Temp/Barometric (0x76 or 0x77) (http://adafru.it/ufr)
- BMP180 Temp/Barometric (0x77 only) (http://adafru.it/y8A)
- BMP085 Temp/Barometric (0x77 only) (http://adafru.it/y8B)
- TCA9548 1-to-8 I2C Multiplexer (http://adafru.it/y6b) (0x70 0x77)
- <u>IS31FL3731 144-LED CharliePlex driver</u> (http://adafru.it/scC) (0x74 0x75 0x66 or 0x77)
- HT16K33 LED Matrix Driver (http://adafru.it/y8e) (0x70 0x77)
- BMA180 Accelerometer (0x77 only)
- MS5607/MS5611 Barometric Pressure (0x76 or 0x77)

0x78 0x79 0x7A 0x7B - Reserved for 10-bit I2C Addressing

