Special cases:

* PCA9685 can use any address between 0x40 to 0x7F. Some of these addresses are fixed. See the [datasheet](https://cdn-shop.adafruit.com/datasheets/PCA9685.pdf) for details. This chip is used in:
  + PWM/Servo Breakout
  + PWM/Servo Shield
  + PWM/Servo HAT
  + PWM/Servo Bonnet
  + PWM/Servo Wing
  + DC & Stepper Motor Shield
  + DC & Stepper Motor HAT
  + DC & Stepper Motor Bonnet
  + DC & Stepper Motor Wing
* 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

* Reserved for HS-mode controller

0x05

* Reserved for HS-mode controller

0x06

* Reserved for HS-mode controller

0x07

* Reserved for HS-mode controller

0x0B

* [LC709203F Fuel Gauge and Battery Monitor](https://www.adafruit.com/product/4712) (0x0B only)

0x0C

* [MLX90393 3-Axis Magnetometer](https://www.adafruit.com/product/4022) (0x0C - 0x0F)

0x0D

* [MLX90393 3-Axis Magnetometer](https://www.adafruit.com/product/4022) (0x0C - 0x0F)

0x0E

* MAG3110 3-Axis Magnetometer (0x0E only)
* [MLX90393 3-Axis Magnetometer](https://www.adafruit.com/product/4022) (0x0C - 0x0F)

0x0F

* [MLX90393 3-Axis Magnetometer](https://www.adafruit.com/product/4022) (0x0C - 0x0F)

0x10 - 0x1F

0x10

* VEML6075 UV Sensor (0x10 only)
* [VEML7700 Ambient Light Sensor](https://www.adafruit.com/product/4162) (0x10 only)

0x11

* [Si4713 FM Transmitter with RDS](https://www.adafruit.com/product/1958) (0x11 or 0x63)

0x12

* [PMSA0031 Gas Sensor](https://www.adafruit.com/product/4632) (0x12 only)

0x13

* [VCNL40x0 Proximity Sensor](https://www.adafruit.com/product/466) (0x13 only)

0x18

* [MCP9808 Temperature Sensor](https://www.adafruit.com/product/1782) (0x18 - 0x1F)
* [MPRLS Pressure Sensor](https://www.adafruit.com/product/3965) (0x18)
* [LIS331 3-Axis Accelerometer](https://www.adafruit.com/product/4626) (0x18 or 0x19)
* [LIS3DH 3-Axis Accelerometer](https://www.adafruit.com/product/2809) (0x18 or 0x19)

0x19

* [MCP9808 Temperature Sensor](https://www.adafruit.com/product/1782) (0x18 - 0x1F)
* [LIS331 3-Axis Accelerometer](https://www.adafruit.com/product/4626) (0x18 or 0x19)
* [LIS3DH 3-Axis Accelerometer](https://www.adafruit.com/product/2809) (0x18 or 0x19)
* [LSM303 Accelerometer/Magnetometer](https://www.adafruit.com/product/4413) (0x19 for accelerometer and 0x1E for magnetometer)

0x1A

* [AGS02MA TVOC Gas Sensor](https://www.adafruit.com/product/5593) (0x1A)
* [MCP9808 Temperature Sensor](https://www.adafruit.com/product/1782) (0x18 - 0x1F)

0x1B

* [MCP9808 Temperature Sensor](https://www.adafruit.com/product/1782) (0x18 - 0x1F)

0x1C

* [LIS3MDL Magetometer](https://www.adafruit.com/product/4479) (0x1C & 0x1E)
* [MCP9808 Temperature Sensor](https://www.adafruit.com/product/1782) (0x18 - 0x1F)
* [MMA845x 3-Axis Accelerometer](https://www.adafruit.com/product/2019) (0x1C or 0x1D)
* [FXOS8700 Accelerometer/Magnetometer](https://www.adafruit.com/product/3463) (0x1C, 0x1D, 0x1E or 0x1F)
* MMA7455L (0x1C or 0x1D)

0x1D

* [ADXL343 3-Axis Accelerometer](https://www.adafruit.com/product/4097) (0x1D or 0x53)
* [ADXL345 3-Axis Accelerometer](https://www.adafruit.com/product/1231) (0x1D or 0x53)
* [FXOS8700 Accelerometer/Magnetometer](https://www.adafruit.com/product/3463) (0x1C, 0x1D, 0x1E or 0x1F)
* [LSM9DS0 9-Axis IMU](https://www.adafruit.com/product/2021) (0x1D or 0x1E for Accel/Mag, 0x6A or 0x6B for Gyro)
* [MCP9808 Temperature Sensor](https://www.adafruit.com/product/1782) (0x18 - 0x1F)
* MMA7455L (0x1C or 0x1D)
* [MMA845x 3-Axis Accelerometer](https://www.adafruit.com/product/2019) (0x1C or 0x1D)

0x1E

* [FXOS8700 Accelerometer/Magnetometer](https://www.adafruit.com/product/3463) (0x1C, 0x1D, 0x1E or 0x1F)
* [HMC5883 Magnetometer](https://www.adafruit.com/product/1746) (0x1E only)
* [LIS2MDL Magnetometer](https://www.adafruit.com/product/4488) (0x1E only)
* [LIS3MDL Magnetometer](https://www.adafruit.com/product/4479) (0x1C & 0x1E)
* [LSM303 Accelerometer/Magnetometer](https://www.adafruit.com/product/4413) (0x19 for accelerometer and 0x1E for magnetometer)
* [LSM9DS0 9-Axis IMU](https://www.adafruit.com/product/2021) (0x1D or 0x1E for Accel/Mag, 0x6A or 0x6B for Gyro)
* [MCP9808 Temperature Sensor](https://www.adafruit.com/product/1782) (0x18 - 0x1F)

0x1F

* [MCP9808 Temperature Sensor](https://www.adafruit.com/product/1782) (0x18 - 0x1F)
* [FXOS8700 Accelerometer & Magnetometer](https://www.adafruit.com/product/3463) (0x1C, 0x1D, 0x1E or 0x1F)

0x20 - 0x2F

0x20

* [FXAS21002 Gyroscope](https://www.adafruit.com/product/3463) (0x20 or 0x21)
* [Chirp! Water Sensor](https://www.adafruit.com/product/1965) (0x20)
* [MCP23008 GPIO Expander](https://www.adafruit.com/product/292) (0x20 - 0x27)
* [MCP23017 GPIO Expander](https://www.adafruit.com/product/732) (0x20 - 0x27)

0x21

* [FXAS21002 Gyroscope](https://www.adafruit.com/product/3463) (0x20 or 0x21)
* [MCP23008 GPIO Expander](https://www.adafruit.com/product/292) (0x20 - 0x27)
* [MCP23017 GPIO Expander](https://www.adafruit.com/product/732) (0x20 - 0x27)

0x22

* [MCP23008 GPIO Expander](https://www.adafruit.com/product/292) (0x20 - 0x27)
* [MCP23017 GPIO Expander](https://www.adafruit.com/product/732) (0x20 - 0x27)

0x23

* [BH1750 Light Sensor](https://www.adafruit.com/product/4681) (0x23 or 0x5C)
* [MCP23008 GPIO Expander](https://www.adafruit.com/product/292) (0x20 - 0x27)
* [MCP23017 GPIO Expander](https://www.adafruit.com/product/732) (0x20 - 0x27)

0x24

* [MCP23008 GPIO Expander](https://www.adafruit.com/product/292) (0x20 - 0x27)
* [MCP23017 GPIO Expander](https://www.adafruit.com/product/732) (0x20 - 0x27)

0x25

* [MCP23008 GPIO Expander](https://www.adafruit.com/product/292) (0x20 - 0x27)
* [MCP23017 GPIO Expander](https://www.adafruit.com/product/732) (0x20 - 0x27)

0x26

* [MCP23008 GPIO Expander](https://www.adafruit.com/product/292) (0x20 - 0x27)
* [MCP23017 GPIO Expander](https://www.adafruit.com/product/732) (0x20 - 0x27)
* [MSA301 3-Axis Accelerometer](https://www.adafruit.com/product/4344) (0x26 only)

0x27

* [MCP23008 GPIO Expander](https://www.adafruit.com/product/292) (0x20 - 0x27)
* [MCP23017 GPIO Expander](https://www.adafruit.com/product/732) (0x20 - 0x27)

0x28

* [BNO055 IMU](https://www.adafruit.com/product/2472) (0x28 or 0x29)
* [CAP1188 8-Channel Capacitive Touch](https://www.adafruit.com/product/1602) (0x28 - 0x2D)
* [DS1841 Digital Logarithmic Potentiometer](https://www.adafruit.com/product/4570) (0x28-0x2B)
* [DS3502 Digital 10K Potentiometer](https://www.adafruit.com/product/4286) (0x28-0x2B)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [TSL2591 Light Sensor](https://www.adafruit.com/product/1980) (0x29 and 0x28)

0x29

* [BNO055 IMU](https://www.adafruit.com/product/2472) (0x28 or 0x29)
* [DS1841 Digital Logarithmic Potentiometer](https://www.adafruit.com/product/4570) (0x28-0x2B)
* [DS3502 Digital 10K Potentiometer](https://www.adafruit.com/product/4286) (0x28-0x2B)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [TCS34725 Color Sensor](https://www.adafruit.com/product/1334) (0x29 only)
* [TSL2561 Light Sensor](https://www.adafruit.com/product/439) (0x29, 0x39 or 0x49)
* [TSL2591 Light Sensor](https://www.adafruit.com/product/1980) (0x29 and 0x28)
* [VL53L0x ToF Sensor](https://www.adafruit.com/product/3317) (0x29, software selectable)
* [VL6180X ToF Sensor](https://www.adafruit.com/product/3316) (0x29)
* [CAP1188 8-Channel Capacitive Touch](https://www.adafruit.com/product/1602) (0x28 - 0x2D )

0x2A

* [CAP1188 8-Channel Capacitive Touch](https://www.adafruit.com/product/1602) (0x28 - 0x2D)
* [DS1841 Digital Logarithmic Potentiometer](https://www.adafruit.com/product/4570) (0x28-0x2B)
* [DS3502 Digital 10K Potentiometer](https://www.adafruit.com/product/4286) (0x28-0x2B)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x2B

* [CAP1188 8-Channel Capacitive Touch](https://www.adafruit.com/product/1602) (0x28 - 0x2D)
* [DS1841 Digital Logarithmic Potentiometer](https://www.adafruit.com/product/4570) (0x28-0x2B)
* [DS3502 Digital 10K Potentiometer](https://www.adafruit.com/product/4286) (0x28-0x2B)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x2C

* [CAP1188 8-Channel Capacitive Touch](https://www.adafruit.com/product/1602) (0x28 - 0x2D)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x2D

* [CAP1188 8-Channel Capacitive Touch](https://www.adafruit.com/product/1602) (0x28 - 0x2D)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x2E

* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x30 - 0x3F

0x33

* [MLX90640 IR Thermal Camera](https://adafruit.com/product/4407) (0x33 only)

0x36

* [Adafruit Stemma QT Rotary Encoder with NeoPixel](https://www.adafruit.com/product/4991) (0x36 through 0x3D by using the jumpers on the back of the board)

0x38

* [AHT20 Humidity/Temperature Sensor](https://www.adafruit.com/product/4566) (0x38 only)
* DHT20 Humidity/Temperature Sensor (0x38 only)
* [VEML6070 UV Index](https://www.adafruit.com/product/2899) (0x38 and 0x39)
* [FT6x06 Capacitive Touch Driver](https://www.adafruit.com/product/1947) (0x38 only)
* [NCP5623 RGB LED Driver](https://www.onsemi.com/products/power-management/led-drivers/linear-led-drivers/ncp5623)

0x39

* [AS7341 Color Sensor](https://www.adafruit.com/product/4698) (0x39)
* [TSL2561 Light Sensor](https://www.adafruit.com/product/439) (0x29, 0x39 or 0x49)
* [VEML6070 UV Light Sensor](https://www.adafruit.com/product/2899) (0x38 and 0x39)
* [APDS-9960 IR/Color/Proximity Sensor](https://www.adafruit.com/product/3595) (0x39 only)

0x3A

* PCF8577C LCD direct/duplex driver (0x3A only, with parallel adressing)

0x3C

All *OLED* controllers below use either 0x3C or 0x3D depending on a control pin. Hardware selectable on some displays with a solder jumper.

* [SSD1305 Monochrome OLED](https://www.adafruit.com/product/2720) (0x3C or 0x3D)
* [SSD1306 Monochrome OLED](https://www.adafruit.com/product/938) (0x3C or 0x3D)
* SSD1309 Monochrome OLED (0x3C or 0x3D)
* SSD1315 Monochrome OLED (0x3C or 0x3D)
* [SH1106 Monochrome OLED](https://www.adafruit.com/product/5228) (0x3C or 0x3D)
* CH1115 Monochrome OLED (0x3C or 0x3D)
* CH1116 Monochrome OLED (0x3C or 0x3D)
* SSD1327 16-Level Grayscale OLED (0x3C or 0x3D)
* ST75256 4-Level Grayscale LCD (0x3C - 0x3F)

0x3D

All *OLED* controllers below use either 0x3C or 0x3D depending on a control pin. Hardware selectable on some displays with a solder jumper.

* [SSD1305 Monochrome OLED](https://www.adafruit.com/product/2720) (0x3C or 0x3D)
* [SSD1306 Monochrome OLED](https://www.adafruit.com/product/938) (0x3C or 0x3D)
* SSD1309 Monochrome OLED (0x3C or 0x3D)
* SSD1315 Monochrome OLED (0x3C or 0x3D)
* [SH1106 Monochrome OLED](https://www.adafruit.com/product/5228) (0x3C or 0x3D)
* CH1115 Monochrome OLED (0x3C or 0x3D)
* CH1116 Monochrome OLED (0x3C or 0x3D)
* SSD1327 16-Level Grayscale OLED (0x3C or 0x3D)
* ST75256 4-Level Grayscale LCD (0x3C - 0x3F)

0x3E

* ST75256 4-Level Grayscale LCD (0x3C - 0x3F)

0x3F

* ST75256 4-Level Grayscale LCD (0x3C - 0x3F)

0x40 - 0x4F

* PCA9685. See "Special Cases"

0x40

* [Si7021 Humidity/Temperature Sensor](https://www.adafruit.com/product/3251) (0x40 only)
* [HTU21D-F Humidity/Temperature Sensor](https://www.adafruit.com/product/1899) (0x40 only)
* [HTU31D Humidity/Temperature Sensor](https://www.adafruit.com/product/4832) (0x40 or 0x41)
* [HDC1008 Humidity/Temperature Sensor](https://www.adafruit.com/product/2635) (0x40, 0x41, 0x42 or 0x43)
* [MS8607 Humidity/Temperature/Pressure Sensor](https://www.adafruit.com/product/4716) (0x40 for Humidity and 0x76 for Temperature/Pressure)
* [TMP007 IR Temperature Sensor](https://www.adafruit.com/product/2023) (0x40 - 0x47)
* [TMP006 IR Temperature Sensor](https://www.adafruit.com/product/1296) (0x40 - 0x47)
* [PCA9685 16-Channel PWM Driver (default address)](https://www.adafruit.com/product/815) (0x40 - 0x7F)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)

0x41

* [HDC1008 Humidity/Temperature Sensor](https://www.adafruit.com/product/2635) (0x40, 0x41, 0x42 or 0x43)
* [HTU31D Humidity/Temperature Sensor](https://www.adafruit.com/product/4832) (0x40 or 0x41)
* [TMP007 IR Temperature Sensor](https://www.adafruit.com/product/2023) (0x40 - 0x47)
* [TMP006 IR Temperature Sensor](https://www.adafruit.com/product/1296) (0x40 - 0x47)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)
* [STMPE610/STMPE811 Resistive Touch Controller](https://www.adafruit.com/product/1571) (0x41 or 0x44)

0x42

* [HDC1008 Humidity/Temperature Sensor](https://www.adafruit.com/product/2635) (0x40, 0x41, 0x42 or 0x43)
* [TMP007 IR Temperature Sensor](https://www.adafruit.com/product/2023) (0x40 - 0x47)
* [TMP006 IR Temperature Sensor](https://www.adafruit.com/product/1296) (0x40 - 0x47)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)

0x43

* [HDC1008 Humidity/Temperature Sensor](https://www.adafruit.com/product/2635) (0x40, 0x41, 0x42 or 0x43)
* [TMP007 IR Temperature Sensor](https://www.adafruit.com/product/2023) (0x40 - 0x47)
* [TMP006 IR Temperature Sensor](https://www.adafruit.com/product/1296) (0x40 - 0x47)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)

0x44

* [SHT45 Humidity/Temperature Sensor](https://www.adafruit.com/product/5665) (0x44)
* [SHT40 Humidity/Temperature Sensor](https://www.adafruit.com/product/4885) (0x44)
* [SHT31 Humidity/Temperature Sensor](https://www.adafruit.com/product/2857) (0x44 or 0x45 selectable)
* [TMP007 IR Temperature Sensor](https://www.adafruit.com/product/2023) (0x40 - 0x47)
* [TMP006 IR Temperature Sensor](https://www.adafruit.com/product/1296) (0x40 - 0x47)
* ISL29125 Color Sensor (0x44 only)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)
* [STMPE610/STMPE811 Resistive Touch controller](https://www.adafruit.com/product/1571) (0x41 or 0x44)

0x45

* [SHT31 Humidity/Temperature Sensor](https://www.adafruit.com/product/2857) (0x44 or 0x45 selectable)
* [TMP007 IR Temperature Sensor](https://www.adafruit.com/product/2023) (0x40 - 0x47)
* [TMP006 IR Temperature Sensor](https://www.adafruit.com/product/1296) (0x40 - 0x47)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)

0x46

* [TMP007 IR Temperature Sensor](https://www.adafruit.com/product/2023) (0x40 - 0x47)
* [TMP006 IR Temperature Sensor](https://www.adafruit.com/product/1296) (0x40 - 0x47)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)

0x47

* [TMP007 IR Temperature Sensor](https://www.adafruit.com/product/2023) (0x40 - 0x47)
* [TMP006 IR Temperature Sensor](https://www.adafruit.com/product/1296) (0x40 - 0x47)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)

0x48

* [ADS1115 4-channel 16-Bit ADC](https://www.adafruit.com/product/1085) (0x48 0x49 0x4A or 0x4B)
* [ADT7410 Temperature Sensor](https://www.adafruit.com/product/4089) (0x48 0x49 0x4A or 0x4B)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)
* [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](https://www.adafruit.com/product/4648) (0x48 - 0x4F)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [PN532 NFC/RFID reader](https://www.adafruit.com/product/364) (0x48 only)
* TMP102 Temperature Sensor (0x48 0x49 0x4A or 0x4B)
* [TMP117 Temperature Sensor](https://www.adafruit.com/product/4821) (0x48 0x49 0x4A or 0x4B)

0x49

* [ADS1115 4-Channel 16-Bit ADC](https://www.adafruit.com/product/1085) (0x48 0x49 0x4A or 0x4B)
* [ADT7410 Temperature Sensor](https://www.adafruit.com/product/4089) (0x48 0x49 0x4A or 0x4B)
* [AS7262 Light/Color Sensor](https://www.adafruit.com/product/3779) (0x49)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)
* [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](https://www.adafruit.com/product/4648) (0x48 - 0x4F)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [TSL2561 Light Sensor](https://www.adafruit.com/product/439) (0x29, 0x39 or 0x49)
* TMP102 Temperature Sensor (0x48 0x49 0x4A or 0x4B)
* [TMP117 Temperature Sensor](https://www.adafruit.com/product/4821) (0x48 0x49 0x4A or 0x4B)

0x4A

* [ADS1115 4-channel 16-Bit ADC](https://www.adafruit.com/product/1085) (0x48 0x49 0x4A or 0x4B)
* [ADT7410 Temperature Sensor](https://www.adafruit.com/product/4089) (0x48 0x49 0x4A or 0x4B)
* [BNO085 9-DoF IMU](https://www.adafruit.com/product/4754) (0x4A or 0x4B)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)
* [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](https://www.adafruit.com/product/4648) (0x48 - 0x4F)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* TMP102 Temperature Sensor (0x48 0x49 0x4A or 0x4B)
* [TMP117 Temperature Sensor](https://www.adafruit.com/product/4821) (0x48 0x49 0x4A or 0x4B)

0x4B

* [ADS1115 4-channel 16-Bit ADC](https://www.adafruit.com/product/1085) (0x48 0x49 0x4A or 0x4B)
* [ADT7410 Temperature Sensor](https://www.adafruit.com/product/4089) (0x48 0x49 0x4A or 0x4B)
* [BNO085 9-DoF IMU](https://www.adafruit.com/product/4754) (0x4A or 0x4B)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)
* [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](https://www.adafruit.com/product/4648) (0x48 - 0x4F)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* TMP102 Temperature Sensor (0x48 0x49 0x4A or 0x4B)
* [TMP117 Temperature Sensor](https://www.adafruit.com/product/4821) (0x48 0x49 0x4A or 0x4B)

0x4C

* [EMC2101 Fan Controller](https://www.adafruit.com/product/4808) (0x4C)
* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)
* [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](https://www.adafruit.com/product/4648) (0x48 - 0x4F)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x30-0x37, 0x48-0x4F)

0x4D

* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)
* [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](https://www.adafruit.com/product/4648) (0x48 - 0x4F)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x4E

* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)
* [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](https://www.adafruit.com/product/4648) (0x48 - 0x4F)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x4F

* [INA219 High-Side DC Current/Voltage Sensor](https://www.adafruit.com/product/904) (0x40 - 0x4F)
* [INA260 Precision DC Current/Power Sensor](https://www.adafruit.com/product/4226) (0x40 - 0x4F)
* [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](https://www.adafruit.com/product/4648) (0x48 - 0x4F)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x50 - 0x5F

* 24LCxx series EEPROMs of various sizes and makes
* PCA9685. See "Special Cases"

0x50

* [MB85RC FRAM](https://www.adafruit.com/product/1895) (0x50 - 0x57)

0x51

* [MB85RC FRAM](https://www.adafruit.com/product/1895) (0x50 - 0x57)

0x52

* [MB85RC FRAM](https://www.adafruit.com/product/1895) (0x50 - 0x57)
* [Nintendo Nunchuck Controller](https://www.adafruit.com/product/342) (0x52 only)

0x53

* [ADXL343 3-Axis Accelerometer](https://www.adafruit.com/product/4097) (0x1D or 0x53)
* [ADXL345 3-Axis Accelerometer](https://www.adafruit.com/product/1231) (0x1D or 0x53)
* [LTR390 UV Sensor](https://www.adafruit.com/product/4831) (0x53)
* [MB85RC FRAM](https://www.adafruit.com/product/1895) (0x50 - 0x57)

0x54

* [MB85RC FRAM](https://www.adafruit.com/product/1895) (0x50 - 0x57)

0x55

* [MB85RC FRAM](https://www.adafruit.com/product/1895) (0x50 - 0x57)

0x56

* [MB85RC FRAM](https://www.adafruit.com/product/1895) (0x50 - 0x57)

0x57

* [MB85RC FRAM](https://www.adafruit.com/product/1895) (0x50 - 0x57)
* MAX3010x Pulse & Oximetry Sensor (0x57)

0x58

* [AW9523 GPIO Expander and LED Driver](https://www.adafruit.com/product/4886) (0x58 - 0x5B)
* [TPA2016 Class-D Audio Amplifier](https://www.adafruit.com/product/1712) (0x58 only)
* [SGP30 Gas Sensor](https://www.adafruit.com/product/3709) (0x58 only)

0x59

* [AW9523 GPIO Expander and LED Driver](https://www.adafruit.com/product/4886) (0x58 - 0x5B)
* [SGP40 Gas Sensor](https://www.adafruit.com/product/4829) (0x59 only)

0x5A

* [AW9523 GPIO Expander and LED Driver](https://www.adafruit.com/product/4886) (0x58 - 0x5B)
* [MPR121 12-Point Capacitive Touch Sensor](https://www.adafruit.com/product/1982) (0x5A, 0x5B, 0x5C, 0x5D)
* [CCS811 VOC Sensor](https://www.adafruit.com/product/3566) (0x5A or 0x5B)
* [MLX9061x IR Temperature Sensor](https://www.adafruit.com/product/1747) (0x5A only)
* [DRV2605 Haptic Motor Driver](https://www.adafruit.com/product/2305) (0x5A only)

0x5B

* [AW9523 GPIO Expander and LED Driver](https://www.adafruit.com/product/4886) (0x58 - 0x5B)
* [MPR121 12-Point Capacitive Touch Sensor](https://www.adafruit.com/product/1982) (0x5A, 0x5B, 0x5C, 0x5D)
* [CCS811 VOC Sensor](https://www.adafruit.com/product/3566) (0x5A or 0x5B)

0x5C

* [AM2315 Humidity/Temp Sensor](https://www.adafruit.com/product/1293) (0x5C only)
* [AM2320 Humidity/Temp Sensor](https://www.adafruit.com/product/3721) (0x5C only)
* [BH1750 Light Sensor](https://www.adafruit.com/product/4681) (0x23 or 0x5C)
* [LPS22 Pressure Sensor](https://www.adafruit.com/product/4633) (0x5C, 0x5D)
* [LPS25 Pressure Sensor](https://www.adafruit.com/product/4530) (0x5C, 0x5D)
* [LPS33HW Ported Pressure Sensor](https://www.adafruit.com/product/4414) (0x5C, 0x5D)
* [LPS35HW Pressure Sensor](https://www.adafruit.com/product/4258) (0x5C, 0x5D)
* [MPR121 12-Point Capacitive Touch Sensor](https://www.adafruit.com/product/1982) (0x5A, 0x5B, 0x5C, 0x5D)

0x5D

* [LPS22 Pressure Sensor](https://www.adafruit.com/product/4633) (0x5C, 0x5D)
* [LPS25 Pressure Sensor](https://www.adafruit.com/product/4530) (0x5C, 0x5D)
* [LPS33HW Ported Pressure Sensor](https://www.adafruit.com/product/4414) (0x5C, 0x5D)
* [LPS35HW Pressure Sensor](https://www.adafruit.com/product/4258) (0x5C, 0x5D)
* [MPR121 12-Point Capacitive Touch Sensor](https://www.adafruit.com/product/1982) (0x5A, 0x5B, 0x5C, 0x5D)

0x5E

* [TLV493D 3-Axis Magnetometer](https://www.adafruit.com/product/4366) (0x5E)

0x5F

* [HTS221 Humidity/Temperature Sensor](https://www.adafruit.com/product/4535) (0x5F)

0x60 - 0x6F

* PCA9685. See "Special Cases"

0x60

* [ATECC608 Cryptographic Co-Processor](https://www.adafruit.com/product/4314) (0x60)
* [MCP4728 Quad DAC](https://adafruit.com/product/4470) (0x60 only)
* [MCP9600 Temperature Sensor](https://www.adafruit.com/product/4101) (0x60 - 0x67)
* [MPL115A2 Barometric Pressure](https://www.adafruit.com/product/992) (0x60 only)
* [MPL3115A2 Barometric Pressure](https://www.adafruit.com/product/1893) (0x60 only)
* [Si5351A Clock Generator](https://www.adafruit.com/product/2045) (0x60 or 0x61)
* [Si1145 Light/IR Sensor](https://www.adafruit.com/product/1777) (0x60 only)
* MCP4725A0 12-Bit DAC (0x60 or 0x61)
* TEA5767 Radio Receiver (0x60 only)
* [VCNL4040 Proximity and Ambient Light Sensor](https://www.adafruit.com/product/4161) (0x60 only)

0x61

* MCP4725A0 12-Bit DAC (0x60 or 0x61)
* [MCP9600 Temperature Sensor](https://www.adafruit.com/product/4101) (0x60 - 0x67)
* [Si5351A Clock Generator](https://www.adafruit.com/product/2045) (0x60 or 0x61)
* [SCD30 Humidity/Temperature/CO2 Sensor](https://www.adafruit.com/product/4867) (0x61)

0x62

* [MCP4725A1 12-Bit DAC](https://www.adafruit.com/product/935) (0x62 or 0x63)
* [MCP9600 Temperature Sensor](https://www.adafruit.com/product/4101) (0x60 - 0x67)

0x63

* [MCP4725A1 12-Bit DAC](https://www.adafruit.com/product/935) (0x62 or 0x63)
* [MCP9600 Temperature Sensor](https://www.adafruit.com/product/4101) (0x60 - 0x67)
* [Si4713 FM Transmitter with RDS](https://www.adafruit.com/product/1958) (0x11 or 0x63)

0x64

* MCP4725A2 12-Bit DAC (0x64 or 0x65)
* [MCP9600 Temperature Sensor](https://www.adafruit.com/product/4101) (0x60 - 0x67)

0x65

* MCP4725A2 12-Bit DAC (0x64 or 0x65)
* [MCP9600 Temperature Sensor](https://www.adafruit.com/product/4101) (0x60 - 0x67)

0x66

* MCP4725A3 12-Bit DAC (0x66 or 0x67)
* [MCP9600 Temperature Sensor](https://www.adafruit.com/product/4101) (0x60 - 0x67)

0x67

* MCP4725A3 12-Bit DAC (0x66 or 0x67)
* [MCP9600 Temperature Sensor](https://www.adafruit.com/product/4101) (0x60 - 0x67)

0x68

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

* [AMG8833 IR Thermal Camera Breakout](https://www.adafruit.com/product/3538) (0x68 or 0x69)
* [DS1307 RTC](https://www.adafruit.com/product/3296) (0x68 only)
* [DS3231 RTC](https://www.adafruit.com/product/3013) (0x68 only)
* [ICM-20649 Accelerometer + Gyroscope](https://adafruit.com/product/4464) (0x68 or 0x69)
* ITG3200 Gyroscope (0x68 or 0x69)
* MPU-9250 9-DoF IMU (0x68 or 0x69)
* MPU-60X0 Accelerometer + Gyroscope (0x68 or 0x69)
* [PCF8523 RTC](https://www.adafruit.com/product/3295) (0x68 only)

0x69

* [AMG8833 IR Thermal Camera Breakout](https://www.adafruit.com/product/3538) (0x68 or 0x69)
* [ICM-20649 Accelerometer + Gyroscope](https://adafruit.com/product/4464) (0x68 or 0x69)
* MPU-9250 9-DoF IMU (0x68 or 0x69)
* MPU-60X0 Accelerometer + Gyroscope (0x68 or 0x69)
* ITG3200 Gyroscope (0x68 or 0x69)

0x6A

* [ICM330DHC 6-Axis IMU](https://www.adafruit.com/product/4502) (0x6A or 0x6B)
* [L3GD20H Gyroscope](https://www.adafruit.com/product/1714) (0x6A or 0x6B)
* [LSM6DS33 6-Axis IMU](https://www.adafruit.com/product/4480) (0x6A or 0x6B)
* [LSM6DSOX 6-Axis IMU](https://adafruit.com/product/4438) (0x6A or 0x6B)
* [LSM9DS0 9-Axis IMU](https://www.adafruit.com/product/2021) (0x1D or 0x1E for Accel/Mag, 0x6A or 0x6B for Gyro)

0x6B

* [ICM330DHC 6-Axis IMU](https://www.adafruit.com/product/4502) (0x6A or 0x6B)
* [L3GD20H Gyroscope](https://www.adafruit.com/product/1714) (0x6A or 0x6B)
* [LSM6DS33 6-Axis IMU](https://www.adafruit.com/product/4480) (0x6A or 0x6B)
* [LSM6DSOX 6-Axis IMU](https://adafruit.com/product/4438) (0x6A or 0x6B)
* [LSM9DS0 9-Axis IMU](https://www.adafruit.com/product/2021) (0x1D or 0x1E for Accel/Mag, 0x6A or 0x6B for Gyro)

0x70 - 0x7F

* PCA9685 Shields, HATs, Breakouts, Wings etc - See "Special Cases"

0x70

* [HT16K33 LED Matrix Driver](https://www.adafruit.com/product/1427) (0x70 - 0x77)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [TCA9548 1-to-8 I2C Multiplexer](https://www.adafruit.com/product/2717) (0x70 - 0x77)
* [SHTC3 Temp and Humidity Sensor](https://www.adafruit.com/product/4636) (0x70)

0x71

* [HT16K33 LED Matrix Driver](https://www.adafruit.com/product/1427) (0x70 - 0x77)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [TCA9548 1-to-8 I2C Multiplexer](https://www.adafruit.com/product/2717) (0x70 - 0x77)

0x72

* [HT16K33 LED Matrix Driver](https://www.adafruit.com/product/1427) (0x70 - 0x77)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [TCA9548 1-to-8 I2C Multiplexer](https://www.adafruit.com/product/2717) (0x70 - 0x77)

0x73

* [HT16K33 LED Matrix Driver](https://www.adafruit.com/product/1427) (0x70 - 0x77)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [TCA9548 1-to-8 I2C Multiplexer](https://www.adafruit.com/product/2717) (0x70 - 0x77)

0x74

* [HT16K33 LED Matrix Driver](https://www.adafruit.com/product/1427) (0x70 - 0x77)
* [IS31FL3731 144-LED CharliePlex driver](https://www.adafruit.com/product/2946) (0x74 0x75 0x66 or 0x77)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [TCA9548 1-to-8 I2C Multiplexer](https://www.adafruit.com/product/2717) (0x70 - 0x77)

0x75

* [HT16K33 LED Matrix Driver](https://www.adafruit.com/product/1427) (0x70 - 0x77)
* [IS31FL3731 144-LED CharliePlex driver](https://www.adafruit.com/product/2946) (0x74 0x75 0x66 or 0x77)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [TCA9548 1-to-8 I2C Multiplexer](https://www.adafruit.com/product/2717) (0x70 - 0x77)

0x76

* [BME280 Temp/Barometric/Humidity](https://www.adafruit.com/product/2652)(0x76 or 0x77)
* [BME680 Temp/Barometric/Humidity/Gas](https://www.adafruit.com/product/3660) (0x76 or 0x77)
* [BMP280 Temp/Barometric](https://www.adafruit.com/product/2651)(0x76 or 0x77)
* [BMP388 Temp/Barometric](https://www.adafruit.com/product/3966) (0x76 or 0x77)
* [BMP390 Temp/Barometric](https://www.adafruit.com/product/4816) (0x76 or 0x77)
* [DPS310 Barometric Sensor](https://www.adafruit.com/product/4494) (0x76 or 0x77)
* [HT16K33 LED Matrix Driver](https://www.adafruit.com/product/1427) (0x70 - 0x77)
* [IS31FL3731 144-LED CharliePlex driver](https://www.adafruit.com/product/2946) (0x74 0x75 0x66 or 0x77)
* MS5607/MS5611 Barometric Pressure (0x76 or 0x77)
* [MS8607 Temp/Barometric/Humidity](https://www.adafruit.com/product/4716) (0x40 for Humidity and 0x76 for Barometric/Temperature)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [TCA9548 1-to-8 I2C Multiplexer](https://www.adafruit.com/product/2717) (0x70 - 0x77)

0x77

* BMA180 Accelerometer (0x77 only)
* [BME280 Temp/Barometric/Humidity](https://www.adafruit.com/product/2652)(0x76 or 0x77)
* [BME680 Temp/Barometric/Humidity/Gas](https://www.adafruit.com/product/3660) (0x76 or 0x77)
* [BMP180 Temp/Barometric](https://www.adafruit.com/product/1603) (0x77 only)
* [BMP085 Temp/Barometric](https://www.adafruit.com/product/391) (0x77 only)
* [BMP280 Temp/Barometric](https://www.adafruit.com/product/2651)(0x76 or 0x77)
* [BMP388 Temp/Barometric](https://www.adafruit.com/product/3966) (0x76 or 0x77)
* [BMP390 Temp/Barometric](https://www.adafruit.com/product/4816) (0x76 or 0x77)
* [DPS310 Barometric Sensor](https://www.adafruit.com/product/4494) (0x76 or 0x77)
* [HT16K33 LED Matrix Driver](https://www.adafruit.com/product/1427) (0x70 - 0x77)
* [IS31FL3731 144-LED CharliePlex driver](https://www.adafruit.com/product/2946) (0x74 0x75 0x66 or 0x77)
* MS5607/MS5611 Barometric Pressure (0x76 or 0x77)
* [PCT2075 Temperature Sensor](https://www.adafruit.com/product/4369) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
* [TCA9548 1-to-8 I2C Multiplexer](https://www.adafruit.com/product/2717) (0x70 - 0x77)

0x78

* Reserved for 10-bit I2C addressing

0x79

* Reserved for 10-bit I2C addressing

0x7A

* Reserved for 10-bit I2C addressing

0x7B

* Reserved for 10-bit I2C addressing

0x7C

* Reserved for future purposes

0x7D

* Reserved for future purposes

0x7E

* Reserved for future purposes

0x7F

* Reserved for Future Purposes