Special cases:

- PCA9685 can use any address between 0x40 to 0x7F. Some of these addresses are fixed. See the [datasheet](#) 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](#) (0x0B only)

0x0C

- [MLX90393 3-Axis Magnetometer](#) (0x0C - 0x0F)

0x0D

- [MLX90393 3-Axis Magnetometer](#) (0x0C - 0x0F)

0x0E

- MAG3110 3-Axis Magnetometer (0x0E only)
- [MLX90393 3-Axis Magnetometer](#) (0x0C - 0x0F)

0x0F

- [MLX90393 3-Axis Magnetometer](#) (0x0C - 0x0F)

0x10 - 0x1F

0x10

- VEML6075 UV Sensor (0x10 only)
- [VEML7700 Ambient Light Sensor](#) (0x10 only)

0x11

- [Si4713 FM Transmitter with RDS](#) (0x11 or 0x63)

0x12

- [PMSA0031 Gas Sensor](#) (0x12 only)

0x13

- [VCNL40x0 Proximity Sensor](#) (0x13 only)

0x18

- [MCP9808 Temperature Sensor](#) (0x18 - 0x1F)
- [MPRLS Pressure Sensor](#) (0x18)
- [LIS331 3-Axis Accelerometer](#) (0x18 or 0x19)
- [LIS3DH 3-Axis Accelerometer](#) (0x18 or 0x19)

0x19

- [MCP9808 Temperature Sensor](#) (0x18 - 0x1F)
- [LIS331 3-Axis Accelerometer](#) (0x18 or 0x19)
- [LIS3DH 3-Axis Accelerometer](#) (0x18 or 0x19)
- [LSM303 Accelerometer/Magnetometer](#) (0x19 for accelerometer and 0x1E for magnetometer)

0x1A

- [AGS02MA TVOC Gas Sensor](#) (0x1A)
- [MCP9808 Temperature Sensor](#) (0x18 - 0x1F)

0x1B

- [MCP9808 Temperature Sensor](#) (0x18 - 0x1F)

0x1C

- [LIS3MDL Magetometer](#) (0x1C & 0x1E)
- [MCP9808 Temperature Sensor](#) (0x18 - 0x1F)
- [MMA845x 3-Axis Accelerometer](#) (0x1C or 0x1D)
- [FXOS8700 Accelerometer/Magnetometer](#) (0x1C, 0x1D, 0x1E or 0x1F)
- MMA7455L (0x1C or 0x1D)

0x1D

- [ADXL343 3-Axis Accelerometer](#) (0x1D or 0x53)
- [ADXL345 3-Axis Accelerometer](#) (0x1D or 0x53)
- [FXOS8700 Accelerometer/Magnetometer](#) (0x1C, 0x1D, 0x1E or 0x1F)
- [LSM9DS0 9-Axis IMU](#) (0x1D or 0x1E for Accel/Mag, 0x6A or 0x6B for Gyro)
- [MCP9808 Temperature Sensor](#) (0x18 - 0x1F)
- MMA7455L (0x1C or 0x1D)
- [MMA845x 3-Axis Accelerometer](#) (0x1C or 0x1D)

0x1E

- [FXOS8700 Accelerometer/Magnetometer](#) (0x1C, 0x1D, 0x1E or 0x1F)
- [HMC5883 Magnetometer](#) (0x1E only)
- [LIS2MDL Magnetometer](#) (0x1E only)
- [LIS3MDL Magnetometer](#) (0x1C & 0x1E)
- [LSM303 Accelerometer/Magnetometer](#) (0x19 for accelerometer and 0x1E for magnetometer)
- [LSM9DS0 9-Axis IMU](#) (0x1D or 0x1E for Accel/Mag, 0x6A or 0x6B for Gyro)
- [MCP9808 Temperature Sensor](#) (0x18 - 0x1F)

0x1F

- [MCP9808 Temperature Sensor](#) (0x18 - 0x1F)
- [FXOS8700 Accelerometer & Magnetometer](#) (0x1C, 0x1D, 0x1E or 0x1F)

0x20 - 0x2F

0x20

- [FXAS21002 Gyroscope](#) (0x20 or 0x21)
- [Chirp! Water Sensor](#) (0x20)
- [MCP23008 GPIO Expander](#) (0x20 - 0x27)
- [MCP23017 GPIO Expander](#) (0x20 - 0x27)

0x21

- [FXAS21002 Gyroscope](#) (0x20 or 0x21)
- [MCP23008 GPIO Expander](#) (0x20 - 0x27)
- [MCP23017 GPIO Expander](#) (0x20 - 0x27)

0x22

- [MCP23008 GPIO Expander](#) (0x20 - 0x27)
- [MCP23017 GPIO Expander](#) (0x20 - 0x27)

0x23

- [BH1750 Light Sensor](#) (0x23 or 0x5C)
- [MCP23008 GPIO Expander](#) (0x20 - 0x27)
- [MCP23017 GPIO Expander](#) (0x20 - 0x27)

0x24

- [MCP23008 GPIO Expander](#) (0x20 - 0x27)
- [MCP23017 GPIO Expander](#) (0x20 - 0x27)

0x25

- [MCP23008 GPIO Expander](#) (0x20 - 0x27)
- [MCP23017 GPIO Expander](#) (0x20 - 0x27)

0x26

- [MCP23008 GPIO Expander](#) (0x20 - 0x27)
- [MCP23017 GPIO Expander](#) (0x20 - 0x27)
- [MSA301 3-Axis Accelerometer](#) (0x26 only)

0x27

- [MCP23008 GPIO Expander](#) (0x20 - 0x27)
- [MCP23017 GPIO Expander](#) (0x20 - 0x27)

0x28

- [BNO055 IMU](#) (0x28 or 0x29)
- [CAP1188 8-Channel Capacitive Touch](#) (0x28 - 0x2D)
- [DS1841 Digital Logarithmic Potentiometer](#) (0x28-0x2B)

- [DS3502 Digital 10K Potentiometer](#) (0x28-0x2B)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- [TSL2591 Light Sensor](#) (0x29 and 0x28)

0x29

- [BNO055 IMU](#) (0x28 or 0x29)
- [DS1841 Digital Logarithmic Potentiometer](#) (0x28-0x2B)
- [DS3502 Digital 10K Potentiometer](#) (0x28-0x2B)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- [TCS34725 Color Sensor](#) (0x29 only)
- [TSL2561 Light Sensor](#) (0x29, 0x39 or 0x49)
- [TSL2591 Light Sensor](#) (0x29 and 0x28)
- [VL53L0x ToF Sensor](#) (0x29, software selectable)
- [VL6180X ToF Sensor](#) (0x29)
- [CAP1188 8-Channel Capacitive Touch](#) (0x28 - 0x2D)

0x2A

- [CAP1188 8-Channel Capacitive Touch](#) (0x28 - 0x2D)
- [DS1841 Digital Logarithmic Potentiometer](#) (0x28-0x2B)
- [DS3502 Digital 10K Potentiometer](#) (0x28-0x2B)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x2B

- [CAP1188 8-Channel Capacitive Touch](#) (0x28 - 0x2D)
- [DS1841 Digital Logarithmic Potentiometer](#) (0x28-0x2B)
- [DS3502 Digital 10K Potentiometer](#) (0x28-0x2B)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x2C

- [CAP1188 8-Channel Capacitive Touch](#) (0x28 - 0x2D)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x2D

- [CAP1188 8-Channel Capacitive Touch](#) (0x28 - 0x2D)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x2E

- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x30 - 0x3F

0x33

- [MLX90640 IR Thermal Camera](#) (0x33 only)

0x36

- [Adafruit Stemma QT Rotary Encoder with NeoPixel](#) (0x36 through 0x3D by using the jumpers on the back of the board)

0x38

- [AHT20 Humidity/Temperature Sensor](#) (0x38 only)
- DHT20 Humidity/Temperature Sensor (0x38 only)
- [VEML6070 UV Index](#) (0x38 and 0x39)
- [FT6x06 Capacitive Touch Driver](#) (0x38 only)
- [NCP5623 RGB LED Driver](#)

0x39

- [AS7341 Color Sensor](#) (0x39)
- [TSL2561 Light Sensor](#) (0x29, 0x39 or 0x49)
- [VEML6070 UV Light Sensor](#) (0x38 and 0x39)
- [APDS-9960 IR/Color/Proximity Sensor](#) (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](#) (0x3C or 0x3D)
- [SSD1306 Monochrome OLED](#) (0x3C or 0x3D)
- SSD1309 Monochrome OLED (0x3C or 0x3D)
- SSD1315 Monochrome OLED (0x3C or 0x3D)
- [SH1106 Monochrome OLED](#) (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](#) (0x3C or 0x3D)
- [SSD1306 Monochrome OLED](#) (0x3C or 0x3D)
- SSD1309 Monochrome OLED (0x3C or 0x3D)
- SSD1315 Monochrome OLED (0x3C or 0x3D)
- [SH1106 Monochrome OLED](#) (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](#) (0x40 only)
- [HTU21D-F Humidity/Temperature Sensor](#) (0x40 only)
- [HTU31D Humidity/Temperature Sensor](#) (0x40 or 0x41)
- [HDC1008 Humidity/Temperature Sensor](#) (0x40, 0x41, 0x42 or 0x43)
- [MS8607 Humidity/Temperature/Pressure Sensor](#) (0x40 for Humidity and 0x76 for Temperature/Pressure)
- [TMP007 IR Temperature Sensor](#) (0x40 - 0x47)
- [TMP006 IR Temperature Sensor](#) (0x40 - 0x47)
- [PCA9685 16-Channel PWM Driver (default address)](#) (0x40 - 0x7F)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)

0x41

- [HDC1008 Humidity/Temperature Sensor](#) (0x40, 0x41, 0x42 or 0x43)
- [HTU31D Humidity/Temperature Sensor](#) (0x40 or 0x41)
- [TMP007 IR Temperature Sensor](#) (0x40 - 0x47)
- [TMP006 IR Temperature Sensor](#) (0x40 - 0x47)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)
- [STMPE610/STMPE811 Resistive Touch Controller](#) (0x41 or 0x44)

0x42

- [HDC1008 Humidity/Temperature Sensor](#) (0x40, 0x41, 0x42 or 0x43)
- [TMP007 IR Temperature Sensor](#) (0x40 - 0x47)
- [TMP006 IR Temperature Sensor](#) (0x40 - 0x47)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)

0x43

- [HDC1008 Humidity/Temperature Sensor](#) (0x40, 0x41, 0x42 or 0x43)

- [TMP007 IR Temperature Sensor](#) (0x40 - 0x47)
- [TMP006 IR Temperature Sensor](#) (0x40 - 0x47)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)

0x44

- [SHT45 Humidity/Temperature Sensor](#) (0x44)
- [SHT40 Humidity/Temperature Sensor](#) (0x44)
- [SHT31 Humidity/Temperature Sensor](#) (0x44 or 0x45 selectable)
- [TMP007 IR Temperature Sensor](#) (0x40 - 0x47)
- [TMP006 IR Temperature Sensor](#) (0x40 - 0x47)
- ISL29125 Color Sensor (0x44 only)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)
- [STMPE610/STMPE811 Resistive Touch controller](#) (0x41 or 0x44)

0x45

- [SHT31 Humidity/Temperature Sensor](#) (0x44 or 0x45 selectable)
- [TMP007 IR Temperature Sensor](#) (0x40 - 0x47)
- [TMP006 IR Temperature Sensor](#) (0x40 - 0x47)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)

0x46

- [TMP007 IR Temperature Sensor](#) (0x40 - 0x47)
- [TMP006 IR Temperature Sensor](#) (0x40 - 0x47)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)

0x47

- [TMP007 IR Temperature Sensor](#) (0x40 - 0x47)
- [TMP006 IR Temperature Sensor](#) (0x40 - 0x47)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)

0x48

- [ADS1115 4-channel 16-Bit ADC](#) (0x48 0x49 0x4A or 0x4B)
- [ADT7410 Temperature Sensor](#) (0x48 0x49 0x4A or 0x4B)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)
- [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](#) (0x48 - 0x4F)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- [PN532 NFC/RFID reader](#) (0x48 only)
- TMP102 Temperature Sensor (0x48 0x49 0x4A or 0x4B)
- [TMP117 Temperature Sensor](#) (0x48 0x49 0x4A or 0x4B)

0x49

- [ADS1115 4-Channel 16-Bit ADC](#) (0x48 0x49 0x4A or 0x4B)
- [ADT7410 Temperature Sensor](#) (0x48 0x49 0x4A or 0x4B)
- [AS7262 Light/Color Sensor](#) (0x49)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)
- [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](#) (0x48 - 0x4F)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- [TSL2561 Light Sensor](#) (0x29, 0x39 or 0x49)
- TMP102 Temperature Sensor (0x48 0x49 0x4A or 0x4B)
- [TMP117 Temperature Sensor](#) (0x48 0x49 0x4A or 0x4B)

0x4A

- [ADS1115 4-channel 16-Bit ADC](#) (0x48 0x49 0x4A or 0x4B)
- [ADT7410 Temperature Sensor](#) (0x48 0x49 0x4A or 0x4B)
- [BNO085 9-DoF IMU](#) (0x4A or 0x4B)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)
- [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](#) (0x48 - 0x4F)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- TMP102 Temperature Sensor (0x48 0x49 0x4A or 0x4B)
- [TMP117 Temperature Sensor](#) (0x48 0x49 0x4A or 0x4B)

0x4B

- [ADS1115 4-channel 16-Bit ADC](#) (0x48 0x49 0x4A or 0x4B)
- [ADT7410 Temperature Sensor](#) (0x48 0x49 0x4A or 0x4B)
- [BNO085 9-DoF IMU](#) (0x4A or 0x4B)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)
- [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](#) (0x48 - 0x4F)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- TMP102 Temperature Sensor (0x48 0x49 0x4A or 0x4B)
- [TMP117 Temperature Sensor](#) (0x48 0x49 0x4A or 0x4B)

0x4C

- [EMC2101 Fan Controller](#) (0x4C)
- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)
- [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](#) (0x48 - 0x4F)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x30-0x37, 0x48-0x4F)

0x4D

- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)
- [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](#) (0x48 - 0x4F)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x4E

- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)
- [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](#) (0x48 - 0x4F)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x4F

- [INA219 High-Side DC Current/Voltage Sensor](#) (0x40 - 0x4F)
- [INA260 Precision DC Current/Power Sensor](#) (0x40 - 0x4F)
- [PCF8591 Quad 8-Bit ADC + 8-Bit DAC](#) (0x48 - 0x4F)

- PCT2075 Temperature Sensor (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

0x50 - 0x5F

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

0x50

- MB85RC FRAM (0x50 - 0x57)

0x51

- MB85RC FRAM (0x50 - 0x57)

0x52

- MB85RC FRAM (0x50 - 0x57)
- Nintendo Nunchuck Controller (0x52 only)

0x53

- ADXL343 3-Axis Accelerometer (0x1D or 0x53)
- ADXL345 3-Axis Accelerometer (0x1D or 0x53)
- LTR390 UV Sensor (0x53)
- MB85RC FRAM (0x50 - 0x57)

0x54

- MB85RC FRAM (0x50 - 0x57)

0x55

- MB85RC FRAM (0x50 - 0x57)

0x56

- MB85RC FRAM (0x50 - 0x57)

0x57

- [MB85RC FRAM](#) (0x50 - 0x57)
- MAX3010x Pulse & Oximetry Sensor (0x57)

0x58

- [AW9523 GPIO Expander and LED Driver](#) (0x58 - 0x5B)
- [TPA2016 Class-D Audio Amplifier](#) (0x58 only)
- [SGP30 Gas Sensor](#) (0x58 only)

0x59

- [AW9523 GPIO Expander and LED Driver](#) (0x58 - 0x5B)
- [SGP40 Gas Sensor](#) (0x59 only)

0x5A

- [AW9523 GPIO Expander and LED Driver](#) (0x58 - 0x5B)
- [MPR121 12-Point Capacitive Touch Sensor](#) (0x5A, 0x5B, 0x5C, 0x5D)
- [CCS811 VOC Sensor](#) (0x5A or 0x5B)
- [MLX9061x IR Temperature Sensor](#) (0x5A only)
- [DRV2605 Haptic Motor Driver](#) (0x5A only)

0x5B

- [AW9523 GPIO Expander and LED Driver](#) (0x58 - 0x5B)
- [MPR121 12-Point Capacitive Touch Sensor](#) (0x5A, 0x5B, 0x5C, 0x5D)
- [CCS811 VOC Sensor](#) (0x5A or 0x5B)

0x5C

- [AM2315 Humidity/Temp Sensor](#) (0x5C only)
- [AM2320 Humidity/Temp Sensor](#) (0x5C only)
- [BH1750 Light Sensor](#) (0x23 or 0x5C)
- [LPS22 Pressure Sensor](#) (0x5C, 0x5D)
- [LPS25 Pressure Sensor](#) (0x5C, 0x5D)
- [LPS33HW Ported Pressure Sensor](#) (0x5C, 0x5D)
- [LPS35HW Pressure Sensor](#) (0x5C, 0x5D)

- [MPR121 12-Point Capacitive Touch Sensor](#) (0x5A, 0x5B, 0x5C, 0x5D)

0x5D

- [LPS22 Pressure Sensor](#) (0x5C, 0x5D)
- [LPS25 Pressure Sensor](#) (0x5C, 0x5D)
- [LPS33HW Ported Pressure Sensor](#) (0x5C, 0x5D)
- [LPS35HW Pressure Sensor](#) (0x5C, 0x5D)
- [MPR121 12-Point Capacitive Touch Sensor](#) (0x5A, 0x5B, 0x5C, 0x5D)

0x5E

- [TLV493D 3-Axis Magnetometer](#) (0x5E)

0x5F

- [HTS221 Humidity/Temperature Sensor](#) (0x5F)

0x60 - 0x6F

- PCA9685. See "Special Cases"

0x60

- [ATECC608 Cryptographic Co-Processor](#) (0x60)
- [MCP4728 Quad DAC](#) (0x60 only)
- [MCP9600 Temperature Sensor](#) (0x60 - 0x67)
- [MPL115A2 Barometric Pressure](#) (0x60 only)
- [MPL3115A2 Barometric Pressure](#) (0x60 only)
- [Si5351A Clock Generator](#) (0x60 or 0x61)
- [Si1145 Light/IR Sensor](#) (0x60 only)
- MCP4725A0 12-Bit DAC (0x60 or 0x61)
- TEA5767 Radio Receiver (0x60 only)
- [VCNL4040 Proximity and Ambient Light Sensor](#) (0x60 only)

0x61

- MCP4725A0 12-Bit DAC (0x60 or 0x61)
- [MCP9600 Temperature Sensor](#) (0x60 - 0x67)

- [Si5351A Clock Generator](#) (0x60 or 0x61)
- [SCD30 Humidity/Temperature/CO2 Sensor](#) (0x61)

0x62

- [MCP4725A1 12-Bit DAC](#) (0x62 or 0x63)
- [MCP9600 Temperature Sensor](#) (0x60 - 0x67)

0x63

- [MCP4725A1 12-Bit DAC](#) (0x62 or 0x63)
- [MCP9600 Temperature Sensor](#) (0x60 - 0x67)
- [Si4713 FM Transmitter with RDS](#) (0x11 or 0x63)

0x64

- MCP4725A2 12-Bit DAC (0x64 or 0x65)
- [MCP9600 Temperature Sensor](#) (0x60 - 0x67)

0x65

- MCP4725A2 12-Bit DAC (0x64 or 0x65)
- [MCP9600 Temperature Sensor](#) (0x60 - 0x67)

0x66

- MCP4725A3 12-Bit DAC (0x66 or 0x67)
- [MCP9600 Temperature Sensor](#) (0x60 - 0x67)

0x67

- MCP4725A3 12-Bit DAC (0x66 or 0x67)
- [MCP9600 Temperature Sensor](#) (0x60 - 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)
- [DS1307 RTC](#) (0x68 only)
- [DS3231 RTC](#) (0x68 only)

- [ICM-20649 Accelerometer + Gyroscope](#) (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](#) (0x68 only)

0x69

- [AMG8833 IR Thermal Camera Breakout](#) (0x68 or 0x69)
- [ICM-20649 Accelerometer + Gyroscope](#) (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](#) (0x6A or 0x6B)
- [L3GD20H Gyroscope](#) (0x6A or 0x6B)
- [LSM6DS33 6-Axis IMU](#) (0x6A or 0x6B)
- [LSM6DSOX 6-Axis IMU](#) (0x6A or 0x6B)
- [LSM9DS0 9-Axis IMU](#) (0x1D or 0x1E for Accel/Mag, 0x6A or 0x6B for Gyro)

0x6B

- [ICM330DHC 6-Axis IMU](#) (0x6A or 0x6B)
- [L3GD20H Gyroscope](#) (0x6A or 0x6B)
- [LSM6DS33 6-Axis IMU](#) (0x6A or 0x6B)
- [LSM6DSOX 6-Axis IMU](#) (0x6A or 0x6B)
- [LSM9DS0 9-Axis IMU](#) (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](#) (0x70 - 0x77)

- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- [TCA9548 1-to-8 I2C Multiplexer](#) (0x70 - 0x77)
- [SHTC3 Temp and Humidity Sensor](#) (0x70)

0x71

- [HT16K33 LED Matrix Driver](#) (0x70 - 0x77)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- [TCA9548 1-to-8 I2C Multiplexer](#) (0x70 - 0x77)

0x72

- [HT16K33 LED Matrix Driver](#) (0x70 - 0x77)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- [TCA9548 1-to-8 I2C Multiplexer](#) (0x70 - 0x77)

0x73

- [HT16K33 LED Matrix Driver](#) (0x70 - 0x77)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- [TCA9548 1-to-8 I2C Multiplexer](#) (0x70 - 0x77)

0x74

- [HT16K33 LED Matrix Driver](#) (0x70 - 0x77)
- [IS31FL3731 144-LED CharliePlex driver](#) (0x74 0x75 0x66 or 0x77)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- [TCA9548 1-to-8 I2C Multiplexer](#) (0x70 - 0x77)

0x75

- [HT16K33 LED Matrix Driver](#) (0x70 - 0x77)
- [IS31FL3731 144-LED CharliePlex driver](#) (0x74 0x75 0x66 or 0x77)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)

- [TCA9548 1-to-8 I2C Multiplexer](#) (0x70 - 0x77)

0x76

- [BME280 Temp/Barometric/Humidity](#) (0x76 or 0x77)
- [BME680 Temp/Barometric/Humidity/Gas](#) (0x76 or 0x77)
- [BMP280 Temp/Barometric](#) (0x76 or 0x77)
- [BMP388 Temp/Barometric](#) (0x76 or 0x77)
- [BMP390 Temp/Barometric](#) (0x76 or 0x77)
- [DPS310 Barometric Sensor](#) (0x76 or 0x77)
- [HT16K33 LED Matrix Driver](#) (0x70 - 0x77)
- [IS31FL3731 144-LED CharliePlex driver](#) (0x74 0x75 0x66 or 0x77)
- MS5607/MS5611 Barometric Pressure (0x76 or 0x77)
- [MS8607 Temp/Barometric/Humidity](#) (0x40 for Humidity and 0x76 for Barometric/Temperature)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- [TCA9548 1-to-8 I2C Multiplexer](#) (0x70 - 0x77)

0x77

- BMA180 Accelerometer (0x77 only)
- [BME280 Temp/Barometric/Humidity](#) (0x76 or 0x77)
- [BME680 Temp/Barometric/Humidity/Gas](#) (0x76 or 0x77)
- [BMP180 Temp/Barometric](#) (0x77 only)
- [BMP085 Temp/Barometric](#) (0x77 only)
- [BMP280 Temp/Barometric](#) (0x76 or 0x77)
- [BMP388 Temp/Barometric](#) (0x76 or 0x77)
- [BMP390 Temp/Barometric](#) (0x76 or 0x77)
- [DPS310 Barometric Sensor](#) (0x76 or 0x77)
- [HT16K33 LED Matrix Driver](#) (0x70 - 0x77)
- [IS31FL3731 144-LED CharliePlex driver](#) (0x74 0x75 0x66 or 0x77)
- MS5607/MS5611 Barometric Pressure (0x76 or 0x77)
- [PCT2075 Temperature Sensor](#) (0x28-0x2E, 0x48-0x4F, 0x70-0x77)
- [TCA9548 1-to-8 I2C Multiplexer](#) (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