Adafruit HT16K33 Documentation

Release 1.0

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CHAPTER 1

Matrices

class ht16k33_matrix.**HT16K33**(*i2c*, *address=0x70*)
The base class for all displays. Contains common methods.

blink_rate([*rate*])
Get or set the blink rate. Range 0-3.

brightness([*brightness*])
Get or set the brightness. Range 0-15.

show()
Refresh the display and show the changes.

fill(*color*)
Fill the whole display with the given color.

pixel(*x*, *y*[, *color*])
Get or set the color of a given pixel.

class ht16k33_matrix.**Matrix16x18**
A double matrix or the matrix wing.

class ht16k33_matrix.**Matrix8x8**
A single matrix.

class ht16k33_matrix.**Matrix8x8x2**
A bi-color matrix.

CHAPTER 2

Segment Displays

class ht16k33_seg.**Seg14x4** (*i2c*, *address=0x70*)
Alpha-numeric, 14-segment display.

scroll (*self*, *count=1*)
Scroll the display by specified number of places.

put (*self*, *char*, *index=0*)
Put a character at the specified place.

push (*self*, *char*)
Scroll the display and add a character at the end.

text (*text*)
Display the specified text.

number (*number*)
Display the specified decimal number.

hex (*number*)
Display the specified hexadecimal number.

class ht16k33_seg.**Seg7x4** (*i2c*, *address-0x70*)
Numeric 7-segment display. It has the same methods as the alphanumeric diplsay, but only supports displaying decimal and hex digits, period and a minus sign.

CHAPTER 3

Indices and tables

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Python Module Index

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