

# Datasheet:

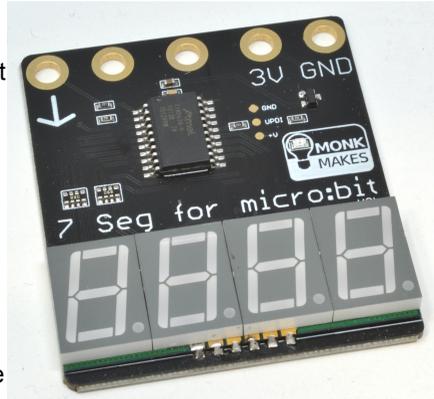


## SEVEN SEGMENT FOR MICRO:BIT

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The 7-segment for micro:bit is a four digit 7-segment display for micro:bit. You can use it to display numbers, but it can also display letters and other characters, albeit with the limits imposed by the 7 segments of each digit.

- Low power high brightness LEDs
- Serial interface using a single micro:bit pin
- ATTiny816 preloaded firmware



### Absolute Maximum Ratings

		Units
Supply voltage	5	V

### Electrical Characteristic

		Units
Typical current consumption at 3V, all segments lit	80	MA
Max refresh frequency	8	Hz
Serial interface baud rate	9600	Baud
Serial parameters	8N1	



## Firmware Protocol Summary

Strings of ASCII text are received through the 9600 baud serial interface. Printable characters will cause the existing displayed characters to scroll one position to the left and then the new character will be displayed in the rightmost character, unless the display has been put into buffered mode using the ',' command.

Character	Action
/	Clear the display and put the display in non-buffered mode
,	Put the display into buffered mode. The display will not change until another ',' character is received.
Printable character: '0..9, a-z, A-Z, most punctuation.	Scroll existing characters left one position and display this char in leftmost position. In non-buffered mode the display updates immediately. In buffered mode the display is not updated until the ',' character is received.

