

CI064-4001 2x16 Display

Overview

A 3.3V, SOT-223 package, needs to replace the 5.0V regulator located to the right of the dc power supply jack. The fuse to the right of the regulator also needs to be removed. A 1N4006 diode needs to be connected with the positive of the diode connected to the positive side of the now removed fuse pad. Then the negative side of the diode connected to the input of the regulator.

Connections

Arduino Pin Number	Display Pin Number	Function
52	RST0	Chip Select
50	A0	Reset
48	CSB	Data/Command
46	R/W	Write
44	E	Read
42	D0	Data Line 0
40	D1	Data Line 1
38	D2	Data Line 2
36	D3	Data Line 3
34	D4	Data Line 4
32	D5	Data Line 5
30	D6	Data Line 6
28	D7	Data Line 7
GND	VSS	Power supply for display(+3.3V)
3.3V	VDD	Anode of backlight
	LED+	Power Supply for backlight (+4V)
	LED-	0V for backlight

To power the display, connect the 8 way kk connector in the Arduino with pin 1 of the connector connected to pin labelled Vin on the Arduino. The 10 way kk with 10 wires will need pin 1 of the connector connected to the pin labelled RST of the breakout board. The 14 way kk connector will need to be plugged into the Arduino, with pin 1 of the connector plugged into the pin of the Arduino labelled pin 26. The 10 way connector with 7 wires will need to be plugged into the breakout board pin labelled D5.

