

64*16 panel - 8*2 matrix of 8*8 LEDS

t=0x89b3f20 [0, 0]

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links

- <http://www.seeedstudio.com/depot/Ultrathin-16x32-RGB-LED-Matrix-Panel-p-1926.html>
- https://github.com/Seeed-Studio/Ultrathin_LED_Matrix
- <http://blog.vettore.org/building-a-large-led-sign-with-inexpensive-standard-modules-and-arduino/>
- <http://www.instructables.com/id/32x16-LED-Matrix-Panel-and-Arduino/?ALLSTEPS>
- <http://conture.by/post/1100#more-1100>

pinout

t=0x89b6130

| | | |
|-----|-----|-----------------------|
| GND | LA | cell=0x89b6130 [0, 1] |
| GND | LB | cell=0x89b6130 [1, 1] |
| GND | LC | cell=0x89b6130 [2, 1] |
| EN | LD | cell=0x89b6130 [3, 1] |
| R1 | G1 | cell=0x89b6130 [4, 1] |
| R2 | G2 | cell=0x89b6130 [5, 1] |
| GND | LAT | cell=0x89b6130 [6, 1] |
| GND | CLK | cell=0x89b6130 [7, 1] |

chips

- 2 * [74HC245](#) octal bus transceiver
- 2 * [74HC138](#) 3-to-8 line decoder, inverting
- 8 * [74HC595](#) 8 bit serial IO shift register
- 1 * [74HC04](#) hex inverter
- 8 * MW4953K dual P-channel MOSFET

power usage

Please supply 5V directly to panel (you might want to route it from there to Arduino) because it draws **2.351 A** with all LEDS lit.