

*****THANK YOU FOR PURCHASING*****
OMIINDUSTRIIES DUAL DIGITAL DATA STORAGE EURORACK

BILL OF MATERIALS

2	47R	0805 RESISTOR
8	2K	0805 RESISTOR
12	4K7*	0805 RESISTOR
15	10K	0805 RESISTOR
16	100K	0805 RESISTOR
2	100nF	0805 CERAMIC CAPACITOR
2	47uf	6MM POLERIZED ELECTROLYTIC CAPACITER
1	LM4040	SOT-23 TEXAS INSTRUMENTS
1	CD4013	SOIC TEXAS INSTRUMENTS
3	TL074	SOIC ANY COMPATIBLE PART
12	WQP-PJ301M-12	INLINE THONKICONN JACK
12	LED	3MM LED ANY COLOR YOU LIKE
1	2x5 IDC	SHROUDED HEADER

*NOTE ABOUT LED RESISTORS

There are 12 4K7 resistors that set the brightness of the LED's. You don't need to change this if 4K7 will work with your desired choice of 3mm LED at +12v single supply. If you need to find the location of the LED resistors, you can carefully trace the anode of the 3mm LED to find the correct 4K7 resistor that you would like to change. Anodes are located toward the top of the module. If you make a mistake in the build, changing resistor values later is easy with a decent soldering iron.

BUILD INSTRUCTIONS

STEP 1: inspect the pcb for damage. clean the pcb with isopropyl alcohol and a lint free cloth. place the pcb in your vise or on your workbench. now is the time to wear protective gloves, turn on ventilation equipment, protective eye wear, or any other device you decide to use for safety.

STEP 2: solder all surface mounted components using a correct soldering method. if you need more information on soldering you can do an internet search for "0805 soldering" and "SOIC soldering".

STEP 3: install the through hole polarized capacitors according to the silkscreen. install the shrouded power header matching the keyed connection on the PCB silkscreen. solder the capacitors and the power header. be careful to solder only one pin at a time. let the power header cool completely after soldering each pin.

STEP 4: install jacks and 3mm LED's to the opposite side of the PCB. jacks and LED's are the only thing on the front side of the PCB. make sure the anode of the LED is at the top of the module while the cathode is at the bottom. do not solder the jacks or LED's yet. install the panel and panel nuts. place the assembly in a vise. check to make sure the LED's are extended all the way to the panel drill holes for the LED's. if the 3mm LED's are seated correctly and centered in the panel drill holes, you can now solder the 3mm LED's and the jacks. do not solder all 3 pins on one jack at one time. instead, solder one pin on each jack then repeat. this will prevent melted plastic on the jacks. this is also true for soldering LED's.

STEP 5: cut away the LED leads with a flush cutter. DON'T MAKE A MESS!

<http://www.etsy.com/shop/omiindustriies>