MB-MTRX Bulk Order

Overview

MB-MTRX is a printed board for the 8×8 modulation matrix commonly used with the MB-SID projects. This layout is in large part identical to the MB-6582 matrix layout and is really design to work with it, or any solution using the transistor-sink design found on the MB-6582. Note that the buttons share two of the LED pins because of this.

The board is designed with SIL headers in mind both for space and because it makes it easier to attach to the MB-6582 baseboard (or, as in my case, a jumper board that then attaches to the MB-6582).

You can find more information about the board here and here.

Disclaimer

DISCLAIMER This board has not been tested. It looks like it should work as advertised but until someone puts on together and gives it a spin, be aware of this. I cannot and will not make any guarantees to success! If in doubt, do not participate or, at least, have a look at the board layout and schematics.

Where are the schematics? The design is still be ratified via the above forum post. Once it has been settled, the layout, schematics, and Eagle files will be available here and on the main MB-SIDR8TR page.

International Shipping

I live in the United States so those keep this in mind when considering the bulk order due to international shipping.

The purpose of the bulk order is to make things cheaper for everyone, but I cannot control the price of shipping, and I have never shipped international before. I will full well admit I could use some help there. My thought is to ship to someone overseas willing to redistribute out to everyone else, in hopes to keep shipping down, and to generally make distribution easier for everyone.

I have not priced out these costs yet so, if you have any thoughts, please send me a PM.

Costs

So far the cost seems to be around $15 for the boards itself assuming 25 boards. This goes down based upon time and number of boards. If people don't mind waiting over a month to get boards, the cost drops to $9.50 for 25. This is an estimate based upon a previous iteration of the board design so

the costs may wiggle a bit by the time the bulk order is ready. I suspect the cost may drop ever so slightly if SMD diodes are used.

SMD or Through-Hole Diodes

Some debate has been done on the forum post (see above) as to whether SMD diodes would be better. Since the diodes are on the back-side of the switch, it makes sense to avoid using through-holes so that the diodes don't muck up the mounting of the buttons.

As a result, my thought is to go with SMD and the costs of the board might go down slightly (though that's a guess). It will also look nicer. Before I decide on that, I am letting people voice their opinion on the matter via the bulk order list. So please put SMD or Through-Hole when adding your name below.

Keep in mind, SMD is easy! This should be far easier than soldering a GM5, and that itself is easy (just takes patience). So really there is no reason not to use SMD here. But again, if most people want through-hole, that's probably what will be done as long as functionally the board works. Note that you WILL need to solder the diodes on the back side no matter which option you go with. Soldering on top-side could cause the button to mount crooked and that could be bad by the time you put this onto a control surface.

Bulk Order List

Putting your name here if seriously interested. However, it is not an obligation to buy anything at this point.

Username (Forums)	Qty	SMD/Through Hole	Board Color Preference
m00dawg	2	SMD	No Preference
rosch	3	all	
Flying Panther	1	all	Slight preference for 'standard' Green
Total	**6**		
Min Order	25		

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