

MH BIAS

BOM

Designator	Notes	Qty	Value
C1,C2,C3,C4	Capacitor_THT 100nF (marked 104)	4	100nF
C7,C8	Electrolytic Capacitor	2	22uF
D1,D2	Diode_THT:D_DO-35_SOD27_P2.54mm_Vertical_KathodeUp	2	1N5818
J1,J2	Connector_Audio:Jack_3.5mm_QingPu_WQP-PJ398SM_Vertical	2	Jack Socket
J3	Connector_IDC:IDC-Header_2x05_P2.54mm	1	Power Connector
R1,R4,R5,R6,R7	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm	5	100k
R2,R3	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm	2	33k
R8	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm	1	1k
R9,R10	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm	2	10R
RV1,RV2	Potentiometer_THT:Potentiometer_Alpha_RD901F-40-00D_Single	2	B100k
U1	Package_DIP:DIP-8_W7.62mm	1	TL072
	Potentiometer Knobs	2	Knobs

Assembly instructions

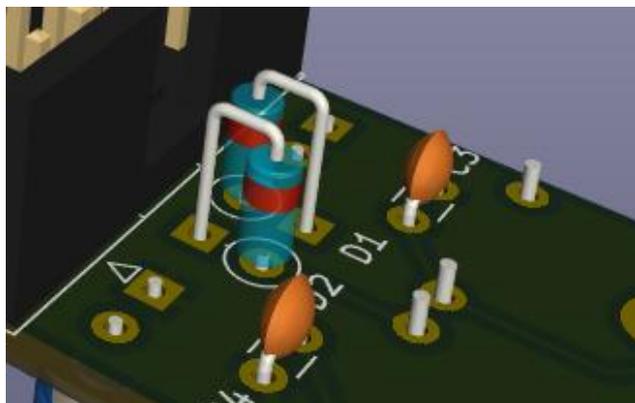
Starting on the front of the PCB (the side without the MH logo), place and solder all resistors plus C1 and C2. Orientation is not an issue with these components.

Place and solder the IC socket on the other side of the board (the side with the MH logo). The notch on the IC socket should line up with the notch on the PCB.

Place and solder C3 and C4 on the same side. Orientation does not matter with these.

Place and solder the 2 diodes. These are mounted vertically. Take care with orientation – the body of the diode should be soldered into the circled solder pad with the stripe on the diode uppermost (away from the PCB). The other leg needs to be bent over to go in the adjacent square solder pad.

See illustration.



Turning back to the front side of the board, place and solder the two electrolytic capacitors, C7 and C8. Take care with orientation the long leg of the capacitor must go in the hole marked '+' with the shorter leg going into the white semi-circle. The capacitor will also have a '-' marking on the short leg side.

Place and solder the 10 pin Power connector on the side of the board with the MH logo. If you are using a shrouded header make sure the notch lines up with the notch marking on the PCB

Place the potentiometers and jack sockets on the front of PCB (Do not solder yet).

Put the front panel over the potentiometers and jack sockets. Secure with the jack nuts and pot nuts.

Check that the jacks are still aligned to the PCB and have not been rotated by tightening the nuts. If any of them are out of place loosen the nut adjust and retighten.

Solder everything making sure there is no gap between the front panel components and the PCB.

Insert the IC in the IC socket making sure the notch on the IC lines up with the notch on the IC socket and the PCB. If there is no notch on the IC there should be a dot or circle in one corner. In this case place the IC so that the dot/circle is nearest the notch on the IC socket and the PCB.

Push the knobs on to the potentiometer spindles.

Done! Connect the power cable, power up and enjoy your new module.