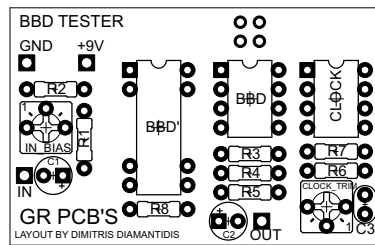


R1 47K  
 R2 4K7  
 R3 100K  
 R4 100K  
 R5 4K7  
 R6 2K2  
 R7 100K  
 R8 4K7

C1 10UF  
 C2 10UF  
 C3 100pf

IN\_BIAS 100K TRIMMER  
 CLOCK\_TRIM 500K TRIMMER



### BBD Tester instructions

The BBD Tester is another simple tool from GR PCB's

With the increasing problem of fake and rebranded chips especially BBD's that are becoming harder to get it will allow you to test your BBD's upon receipt and if faulty hopefully reach a resolution with your supplier and build a database of good suppliers.

Put the correct clock BBD into the clock socket which will allow you to test the following BBD's for functionality.

Using the clock BBD MN3101 will test the MN3008, MN3007 and MN3005

Using the clock BBD MN3201 will test the MN3205, MN3207, V3208, V3207 and V3205

Once you have inserted the correct clock BBD you can begin to test it's corresponding BBD's as listed above.

Turn the clock trimmer in a clockwise direction until the high pitched whining disappears then place the in-bias trimmer to the middle position and adjust until you hear your audio signal coming from the output if you can hear audio from your output your BBD's are functional.

If you hear no sound your BBD's are faulty, fake or resurfaced if of course the BBD Tester PCB has been built correctly.

Important note: you will see four solder pads above the BBD socket these are to allow the correct voltages for the BBD's you are testing you can solder 4 small pins or even nails into these pads and use them as detailed below:

To test the 320 series place two jumpers horizontally

for the 300 series place the two jumpers vertically