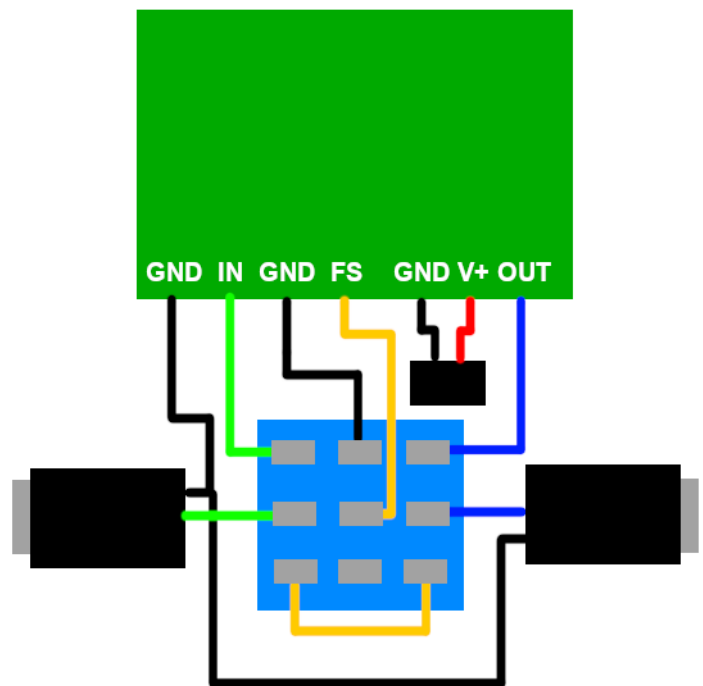
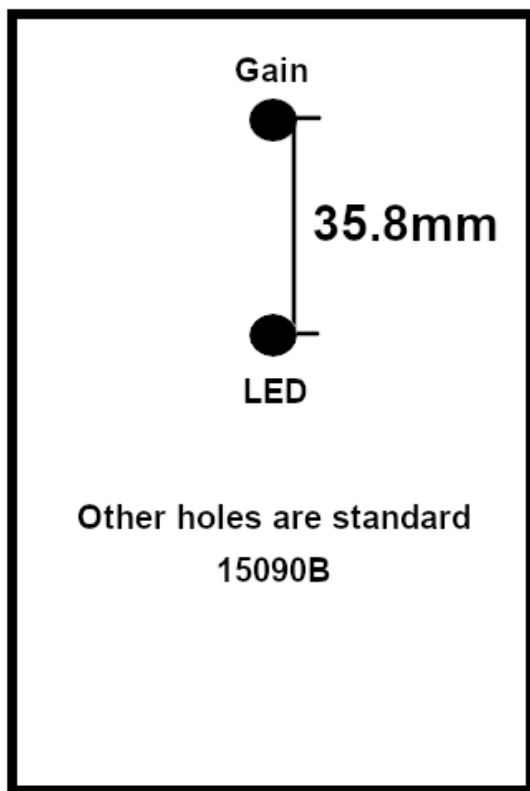


PHAZER TECH

Diamond Clean Boost

Build Documentation

1590B enclosure, single potentiometer, 9V-18V



Component Values

Stock values give up to +20dB of gain. If you want over +30dB of gain, swap R7 for 220k, C5 for 47pF, and the pot should be C250k.

If placed at the end of your chain (after overdrives) it's recommended to run at 12V or 18V to give more headroom and avoid hard clipping.

Resistors

R5:	47
R3:	220
R10:	1k
R4:	5.6k
R8, R9:	10k
R7:	56k
R11:	100k
R6:	470k
R1:	2.2M

Diodes

D1:	1N5817
-----	--------

Capacitors

C2:	100pF film
C5:	220pF film
C3:	33nF film
C6:	100nF ceramic
C1, C7:	1uF box film capacitor
C8:	100uF electrolytic 16V
C4:	100uF electrolytic 35V

Integrated Circuits

U1:	TL072
-----	-------

Potentiometers

Gain:	C100k
-------	-------