



Note 1 R15 sets the switching delay for the MOSFETs. 22K is the minimum allowed.

Note 2 R8 and C5 set the overload delay. Present values give about 30 milliseconds.

Note 3 The DC input can be increased to 30v if R14 and R18 are increased to 1K5  
The limit is now set by the 7805 regulator input.

Note 4 C12 and R19 are an output waveform filter.  
The values may need adjusting to give the best waveform.

Note 5 Opto isolators U1 and U3, type TLP521-1A, KB814 or equivalent.

Note 6 The value of R2 shown is for a DCC input voltage of 12 to 18V  
If using a logic level drive, reduce R2 to 470 ohms.

## DCC booster type NB1A version 2

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Issue 2 Rev B