



- Q12 ZXMD63P03X or IRF7506
- Q13 ZXMD63N03X or IRF7503
- D1 - D4 BYD77B or PRLL5818 (1 amp Schottky)
- Q3 - Q8 BCR108W or equivalent
- Q1 BCR148S or equivalent
- Q10 BC850BW or equivalent NPN
- Q11 BC857BW or equivalent PNP

- D5 27v BZD27-C27/T1
- D6 UDZ 6.2B
- D9 UDZ 3.9B
- U1 PIC 16F84A-20/SS

- X1 8 MHz Ceramic resonator with capacitors  
e.g. AVX PBRC-8.00BR
- or
- X2 8 MHz Ceramic resonator without capacitors  
e.g. Murata CSACV 8.00MTJ

### DCC Decoder

1.5 Amp rating.

M P Bolton 15/5/00

Decod11 Rev C