



- Q12 PHP225 or Si9948 or IRF9953
- Q13 PHN210 or Si4946 or IRF9956
- D1 - D4 BYD77B or RB051L- 40
- Q3 - Q8 DTC123JKA or BCR505 or BCR108
- Q1, Q2 DTC144EKA or PDTC144ET or MMUN2213LT1 or BCR148
- Q10 BCW32 or BC850B

- D5 27v SML4750 or BZD27-C27
- D6 UDZ 6.2B or BZX284C6V2
- U1 PIC 16F872-SO

Remove R2 for DCC only operation

DCC Decoder with Quiet Drive and feedback.
2 Amp rating.

X1 16 MHz Ceramic resonator with capacitors e.g. AVX PBRC-16.00BR
or 16 Mhz resonator without capacitors e.g. Murata CSACS16-00MT-TC

M P Bolton 08/05/01
Decod13 Rev C