Teletype RS-232 Adapter
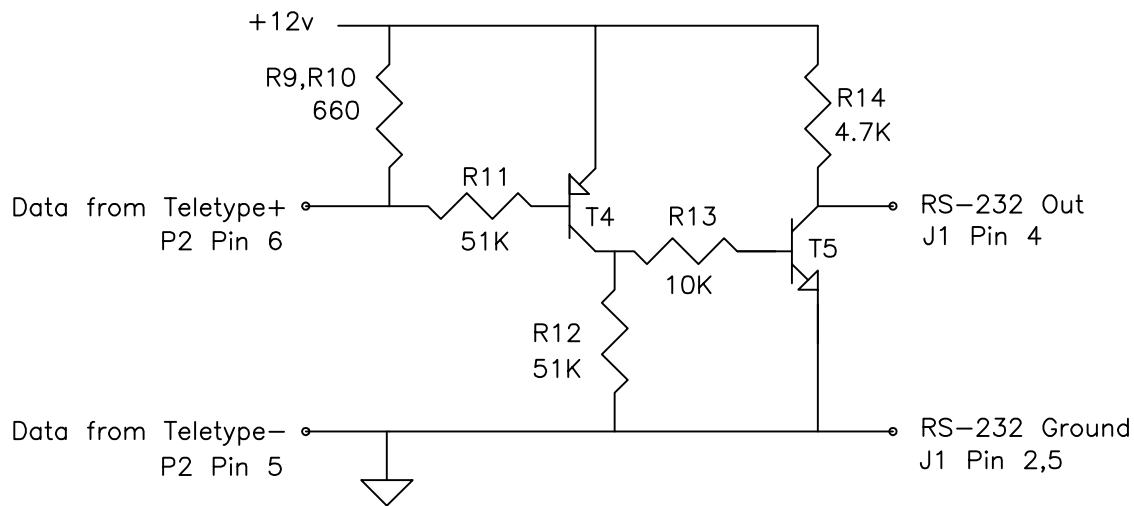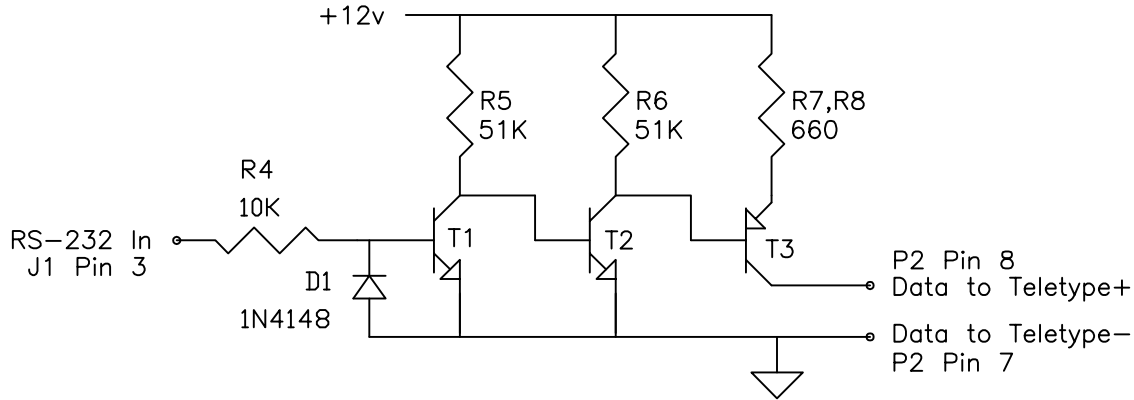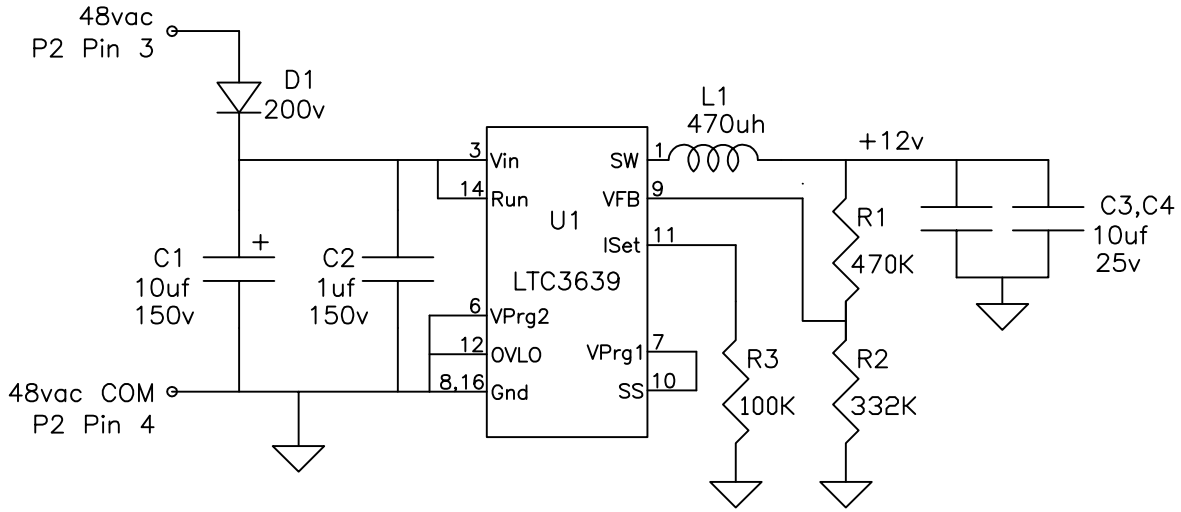
This board mounts onto P2 in the Teletype from which it obtains access to 48 vac power and to the transmit and receive lines

48vac
P2 Pin 3

D1
200v

C1
10uf
150v

C2
1uf
150v

48vac COM
P2 Pin 4

U1
LTC3639

3 Vin
14 Run
6 VPrg2
12 OVLO
8,16 Gnd

SW 1
VFB 9
ISet 11
VPrg1 7
SS 10

L1
470uh

+12v

R1
470K

R2
332K

R3
100K

C3,C4
10uf
25v

+12v

R5
51K

R6
51K

R7,R8
660

R4
10K

RS-232 In
J1 Pin 3

D1
1N4148

T1

T2

T3

P2 Pin 8
Data to Teletype+

Data to Teletype−
P2 Pin 7

+12v

R9,R10
660

R14
4.7K

Data from Teletype+
P2 Pin 6

R11

51K

T4

R13

10K

T5

RS-232 Out
J1 Pin 4

R12
51K

Data from Teletype−
P2 Pin 5

RS-232 Ground
J1 Pin 2,5

Looking into the modular jack
on the PCB with hook down

G I O G

"G" signal ground
"I" data in to the Teletype
"O" data out from the Teletype

Rev B, 2/18/19
Mike Douglas