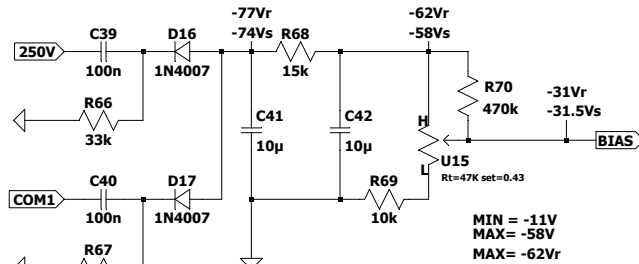
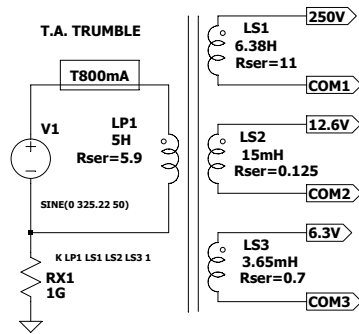
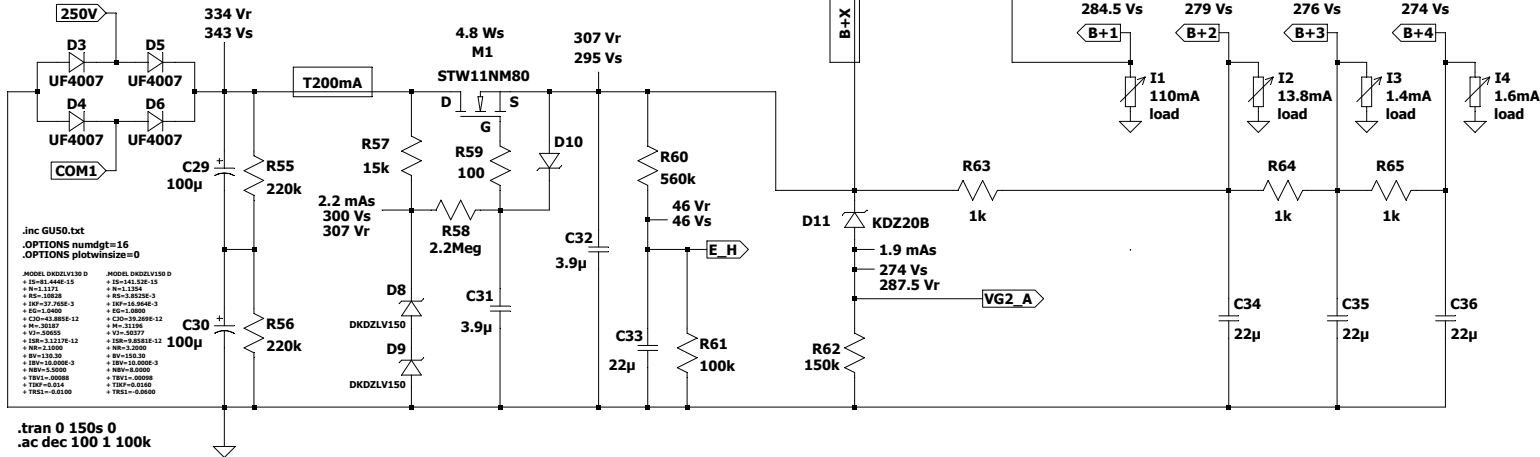
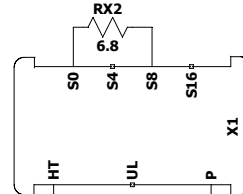


T.A. TRUMBLE



MIN = -11V
MAX = -58V
MAX = -62Vr



```
.inc GU50.txt
.OPTIONS numdgt=16
.OPTIONS plotwinsize=0

.MODEL DKDZLV150 D
+ IS=81.444E-15 + RS=141.52E-15
+ R=1.1171 + R=1.1254
+ RS=1.0128 + RS=1.0125E-3
+ DIF=37.765E-3 + DIF=16.364E-3
+ EG=1.5400 + EG=1.0800
+ CJO=43.885E-12 + CJO=39.269E-12
+ N=30187 + N=31126
+ VJ=30655 + VJ=30277
+ ISB=3.1217E-12 + ISB=9.8581E-12
+ N=3.1000 + N=3.1000
+ BV=130.30 + BV=150.30
+ IBS=10.000E-3 + IBS=10.000E-3
+ NBS=5.5000 + NBS=8.0000
+ TRT1=-0.0008 + TRT1=-0.0008
+ TRT2=-0.014 + TRT2=-0.0160
+ TRS1=-0.0100 + TRS1=-0.0600
```

```
.tran 0 150s 0
.ac dec 100 1 100k
```