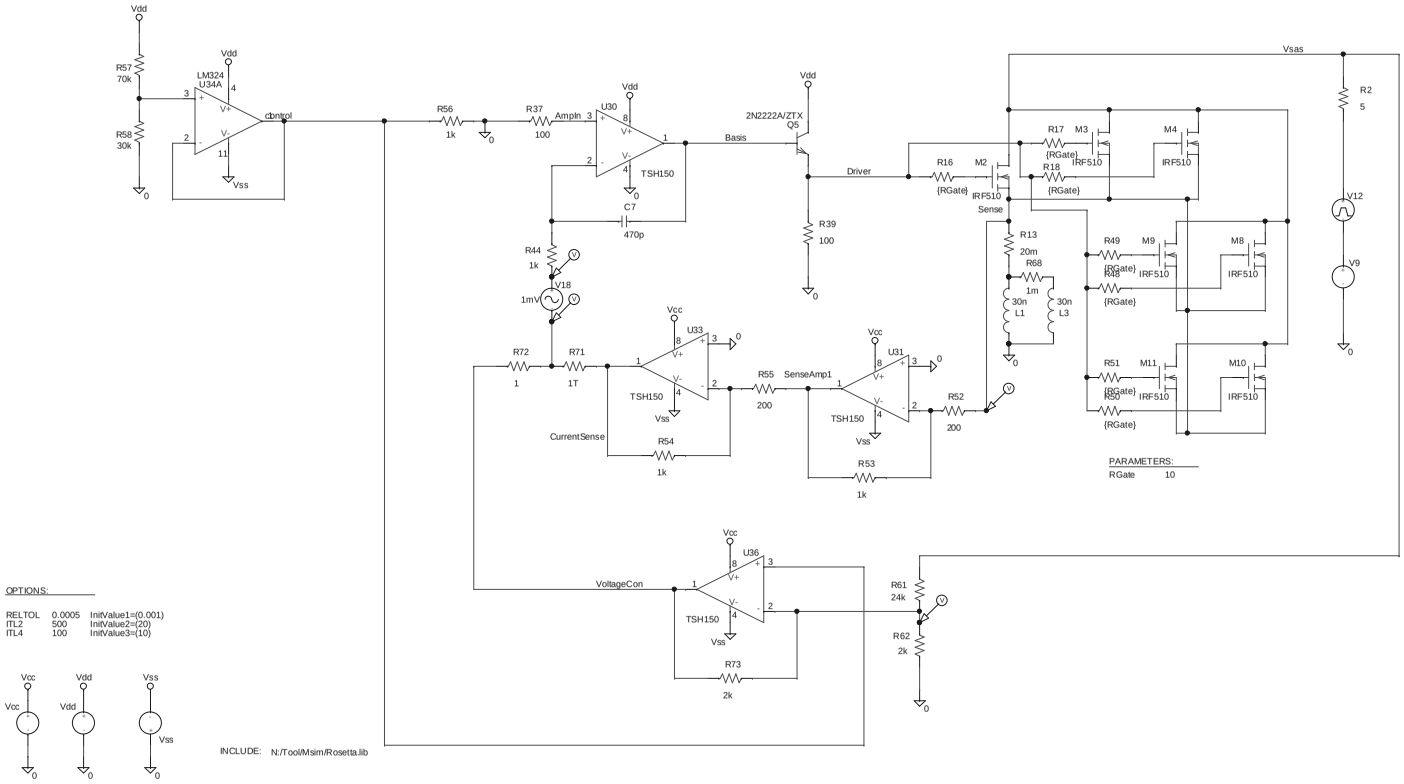
Vdd
R57
70k
R58
30k
LM324
U34A
cbmtrol
Vss
R56
1k
R37
100
AmpIn
U30
TSH150
C7
470p
Basis
2N2222A/ZTX
Q5
R39
100
Driver
R16
{RGate}
M2
IRF510
Sense
R17
R18
M3
M4
IRF510
Vsas
R2
5
V12
V9
R13
20m
R68
1m
30n
L1
30n
L3
R49
R48
M9
M8
IRF510
R51
R50
M11
M10
R44
1k
V18
1mV
R72
1
R71
1T
U33
CurrentSense
R54
1k
R55
200
SenseAmp1
U31
R52
200
R53
1k
PARAMETERS:
RGate 10
U36
VoltageCon
R61
24k
R62
2k
R73
2k
Vcc
OPTIONS:
RELTOL 0.0005 InitValue1=(0.001)
ITL2 500 InitValue2=(20)
ITL4 100 InitValue3=(10)
INCLUDE: N:/Tool/Msim/Rosetta.lib
CD4000 Interface Pwr Supply
VOLTAGE=12V
REFERENCE=0V
VDD_NODE= $G_pos
VSS_NODE= $G_neg
CD4000_PWR
DEFINITION OF MODEL:
Dxx D(IS=1pA N=0.3 Rs=0.1)