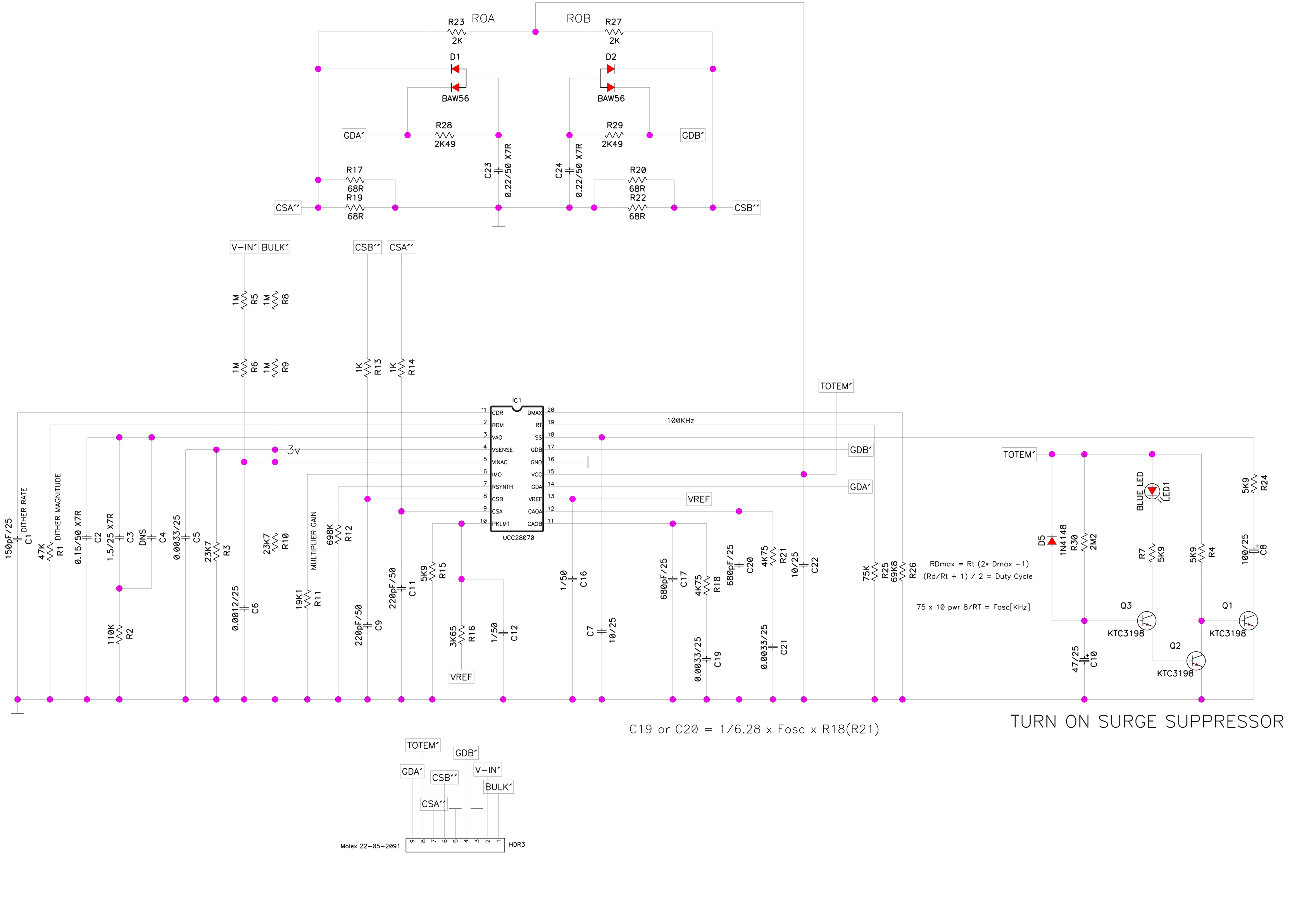
ROA
ROB
R23
2K
R27
2K
D1
BAW56
D2
BAW56
GDA´
R28
2K49
R29
2K49
GDB´
C23
0.22/50 X7R
C24
0.22/50 X7R
R17
68R
R19
68R
R20
68R
R22
68R
CSA´´
CSB´´
V–IN´
BULK´
CSB´´
CSA´´
1M R5
1M R8
1M R6
1M R9
1K R13
1K R14
IC1
CDR
RDM
VAO
VSENSE
VINAC
IMO
RSYNTH
CSB
CSA
PKLMT
DMAX
RT
SS
GDB
GND
VCC
GDA
VREF
CAOA
CAOB
UCC28070
100KHz
3v
GDB´
GDA´
VREF
150pF/25 C1 DITHER RATE
47K R1 DITHER MAGNITUDE
0.15/50 X7R C2
1.5/25 X7R C3
DNS C4
0.0033/25 C5
23K7 R3
0.0012/25 C6
23K7 R10
MULTIPLIER GAIN
698K R12
19K1 R11
110K R2
220pF/50 C9
220pF/50 C11
5K9 R15
3K65 R16
1/50 C12
VREF
1/50 C16
C7 10/25
680pF/25 C17
4K75 R18
0.0033/25 C19
680pF/25 C20
4K75 R21
0.0033/25 C21
10/25 C22
75K R25
69K8 R26
RDmax = Rt (2* Dmax –1)
(Rd/Rt + 1) / 2 = Duty Cycle
75 x 10 pwr 8/RT = Fosc[KHz]
TOTEM´
D5 1N4148
R30 2M2
BLUE LED LED1
R7 5K9
5K9 R4
5K9 R24
100/25 C8
47/25 C10
Q3 KTC3198
Q2 KTC3198
Q1 KTC3198
C19 or C20 = 1/6.28 x Fosc x R18(R21)
TOTEM´
GDB´
GDA´
CSB´´
V–IN´
BULK´
CSA´´
Molex 22–05–2091
HDR3
TURN ON SURGE SUPPRESSOR