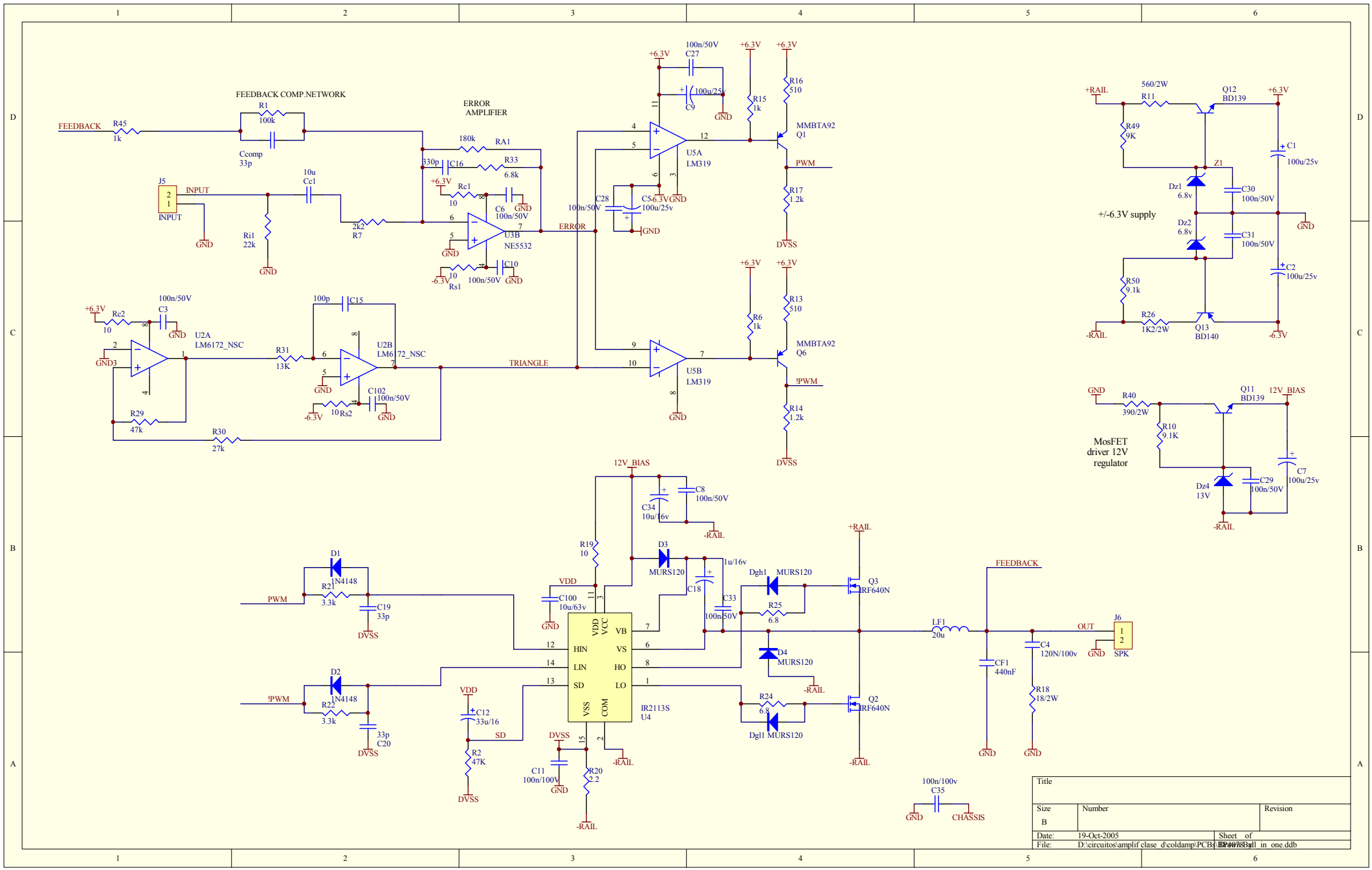
FEEDBACK COMP.NETWORK
ERROR AMPLIFIER
FEEDBACK
R45 1k
R1 100k
Ccomp 33p
J5
INPUT
Ri1 22k
10u Cc1
2k2 R7
180k RA1
330p C16
R33 6.8k
Rc1 10
C6 100n/50V
U3B NE5532
C10 100n/50V
Rs1 10
ERROR
100n/50V C27
100u/25v C9
U5A LM319
R16 510
R15 1k
MMBTA92 Q1
PWM
R17 1.2k
DVSS
C28 100n/50V
C5 100u/25v
Rc2 10
C3 100n/50V
U2A LM6172_NSC
R31 13K
100p C15
U2B LM6172_NSC
C102 100n/50V
Rs2 10
TRIANGLE
R29 47k
R30 27k
R6 1k
R13 510
MMBTA92 Q6
!PWM
R14 1.2k
U5B LM319
+RAIL
560/2W R11
Q12 BD139
R49 9K
Z1
Dz1 6.8v
Dz2 6.8v
+/-6.3V supply
C30 100n/50V
C31 100n/50V
C1 100u/25v
C2 100u/25v
R50 9.1k
R26 1K2/2W
Q13 BD140
-RAIL
-6.3V
GND
R40 390/2W
Q11 BD139
12V_BIAS
MosFET driver 12V regulator
R10 9.1K
Dz4 13V
C29 100n/50V
C7 100u/25v
D1 1N4148
R21 3.3k
C19 33p
PWM
D2 1N4148
R22 3.3k
C20 33p
!PWM
R19 10
D3 MURS120
C34 10u/16v
C8 100n/50V
1u/16v
C18
C33 100n/50V
C100 10u/63v
VDD
DVSS
-RAIL
IR2113S U4
HIN
LIN
SD
VSS
COM
VB
VS
HO
LO
VDD
VCC
C12 33u/16
R2 47K
C11 100n/100V
R20 2.2
Dgh1 MURS120
R25 6.8
D4 MURS120
R24 6.8
Dgl1 MURS120
Q3 IRF640N
Q2 IRF640N
LF1 20u
FEEDBACK
OUT
J6
SPK
CF1 440nF
C4 120N/100v
R18 18/2W
100n/100v C35
CHASSIS
Title
Size B
Number
Revision
Date: 19-Oct-2005
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