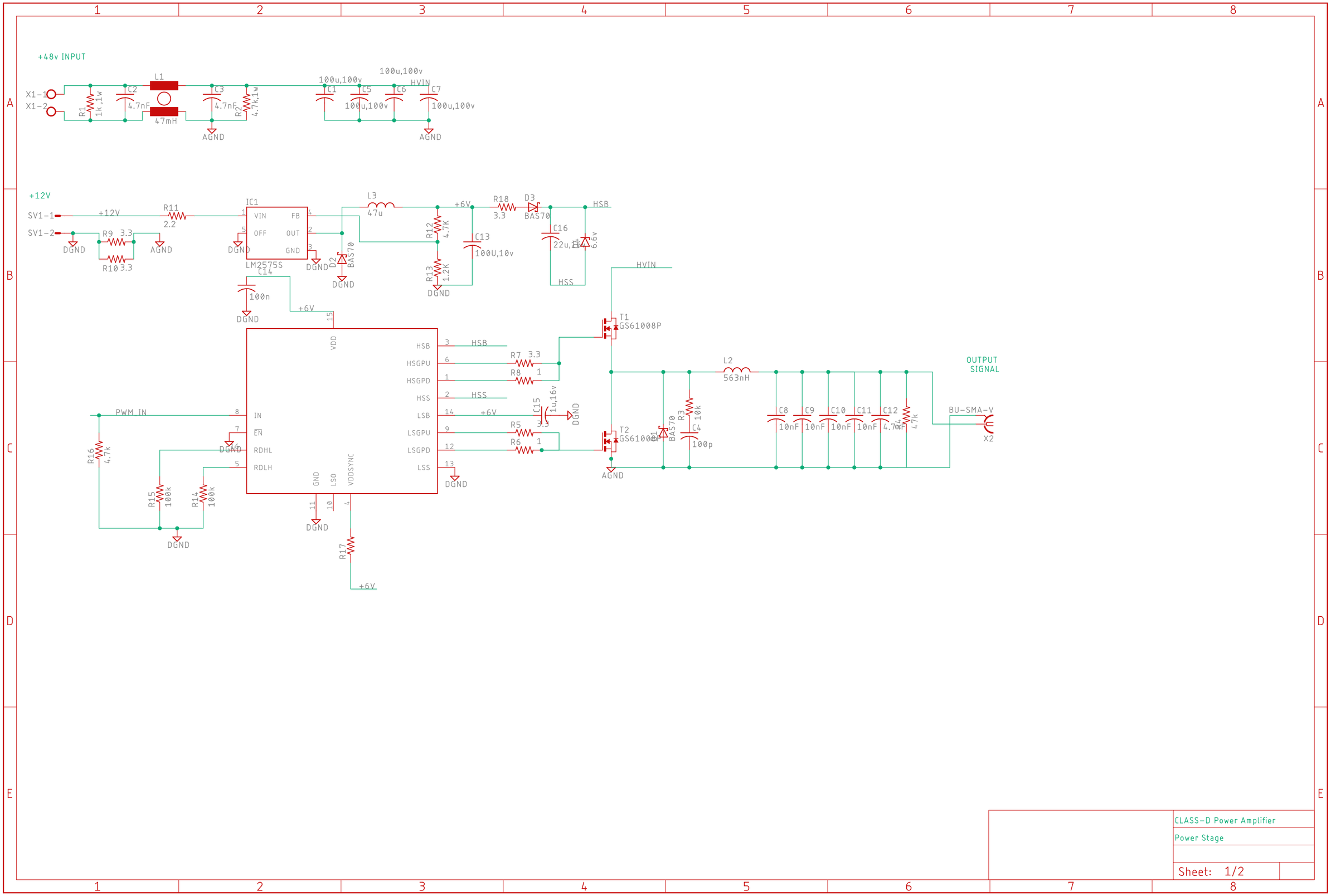
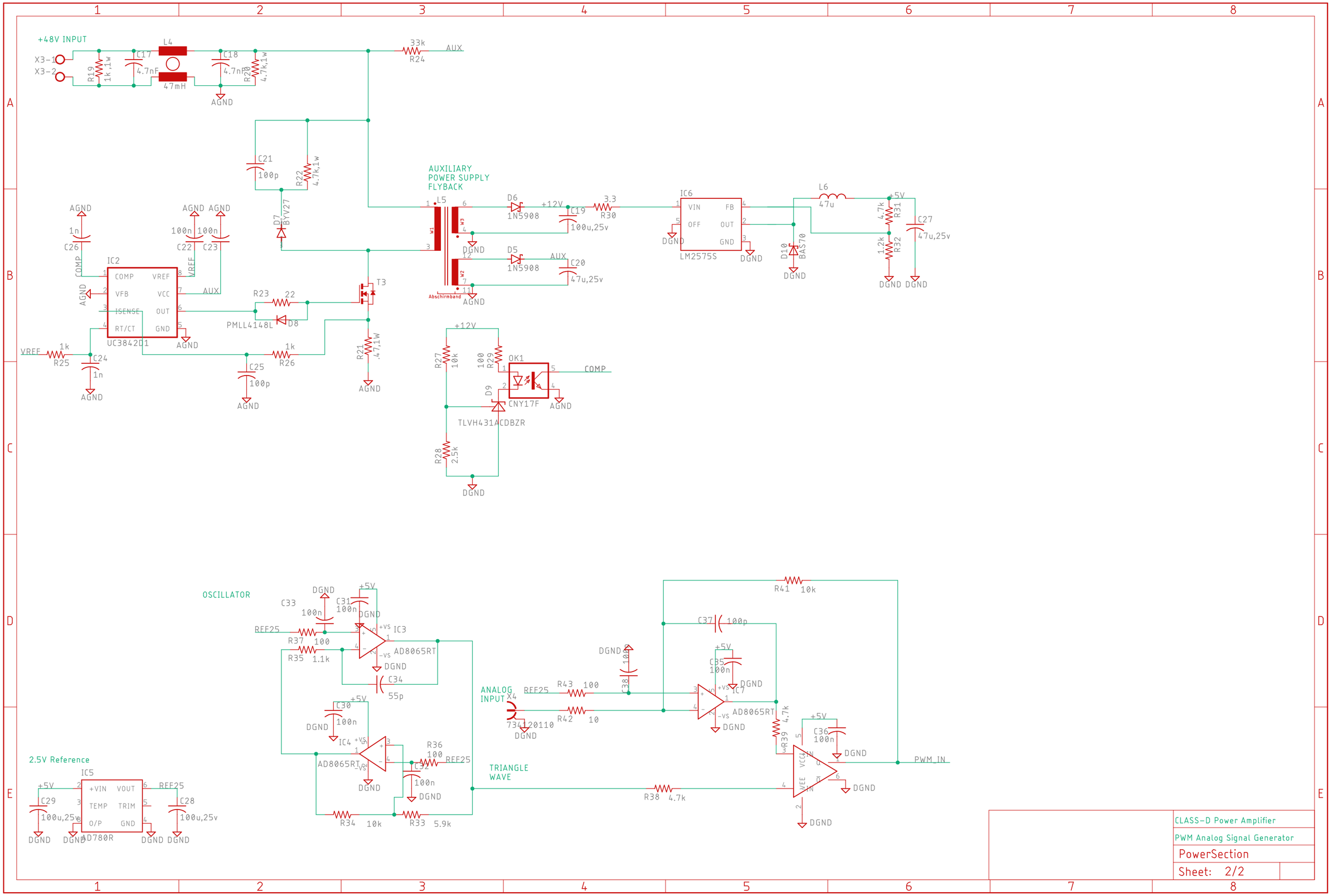

+48v INPUT
X1-1
X1-2
R1 1k,1w
C2 4.7nF
L1 47mH
C3 4.7nF
R2 4.7k,1w
AGND
100u,100v C1
100u,100v C5
100u,100v C6
HVIN
C7 100u,100v
AGND
+12V
SV1-1
SV1-2
+12V
R11 2.2
R9 3.3
R10 3.3
DGND
AGND
IC1
VIN
FB
OFF
OUT
GND
LM2575S
DGND
D2 BAS70
DGND
L3 47u
+6V
R12 4.7K
R13 1.2K
DGND
C13 100U,10v
R18 3.3
D3 BAS70
HSB
C16 22u,16v
6.6v
HSS
C14 100n
DGND
+6V
VDD
HVIN
T1 GS61008P
HSB
HSGPU
HSGPD
HSS
LSB
LSGPU
LSGPD
LSS
R7 3.3
R8 1
HSS
+6V
C15 1u,16v
DGND
R5
R6 1
T2 GS61008P
AGND
D1 BAS70
R3 10k
C4 100p
L2 563nH
C8 10nF
C9 10nF
C10 10nF
C11 10nF
C12 4.7nF
R4 47k
OUTPUT SIGNAL
BU-SMA-V
X2
PWM_IN
IN
EN
DGND
RDHL
RDLH
GND
LSO
VDDSYNC
DGND
DGND
R16 4.7k
R15 100k
R14 100k
DGND
R17
+6V
CLASS-D Power Amplifier
Power Stage
Sheet: 1/2


+48V INPUT
X3-1
X3-2
R19 1k,1w
C17 4.7nF
L4 47mH
C18 4.7nF
R20 4.7k,1w
AGND
33k R24
AUX
C21 100p
R22 4.7k,1w
D7 BYV27
AUXILIARY POWER SUPPLY FLYBACK
L5
W1
W2
W3
Abschirmband
D6 1N5908
+12V
C19 100u,25v
3.3 R30
D5 1N5908
C20 47u,25v
DGND
IC6
VIN
FB
OFF
OUT
GND
LM2575S
L6 47u
+5V
4.7k R31
1.2k R32
C27 47u,25v
D10 BAS70
AGND
1n C26
COMP
IC2
COMP
VREF
VFB
VCC
ISENSE
OUT
RT/CT
GND
UC3842D1
100n C22
100n C23
AUX
R23 22
PMLL4148L D8
T3
R21 .47,1W
VREF
1k R25
C24 1n
C25 100p
1k R26
+12V
R27 10k
100 R29
OK1
CNY17F
D9
TLVH431ACDBZR
R28 2.5k
COMP
OSCILLATOR
C33 100n
C31 100n
IC3
AD8065RT
REF25
R37 100
R35 1.1k
C34 55p
C30 100n
IC4
AD8065RT
R36 100
C32 100n
R34 10k
R33 5.9k
2.5V Reference
IC5
+VIN
VOUT
TEMP
TRIM
O/P
GND
AD780R
C29 100u,25v
C28 100u,25v
ANALOG INPUT
X4
734120110
R43 100
R42 10
C38 100
C37 100p
R41 10k
C35 100n
IC7
AD8065RT
R39 4.7k
C36 100n
PWM_IN
TRIANGLE WAVE
R38 4.7k
CLASS-D Power Amplifier
PWM Analog Signal Generator
PowerSection
Sheet: 2/2