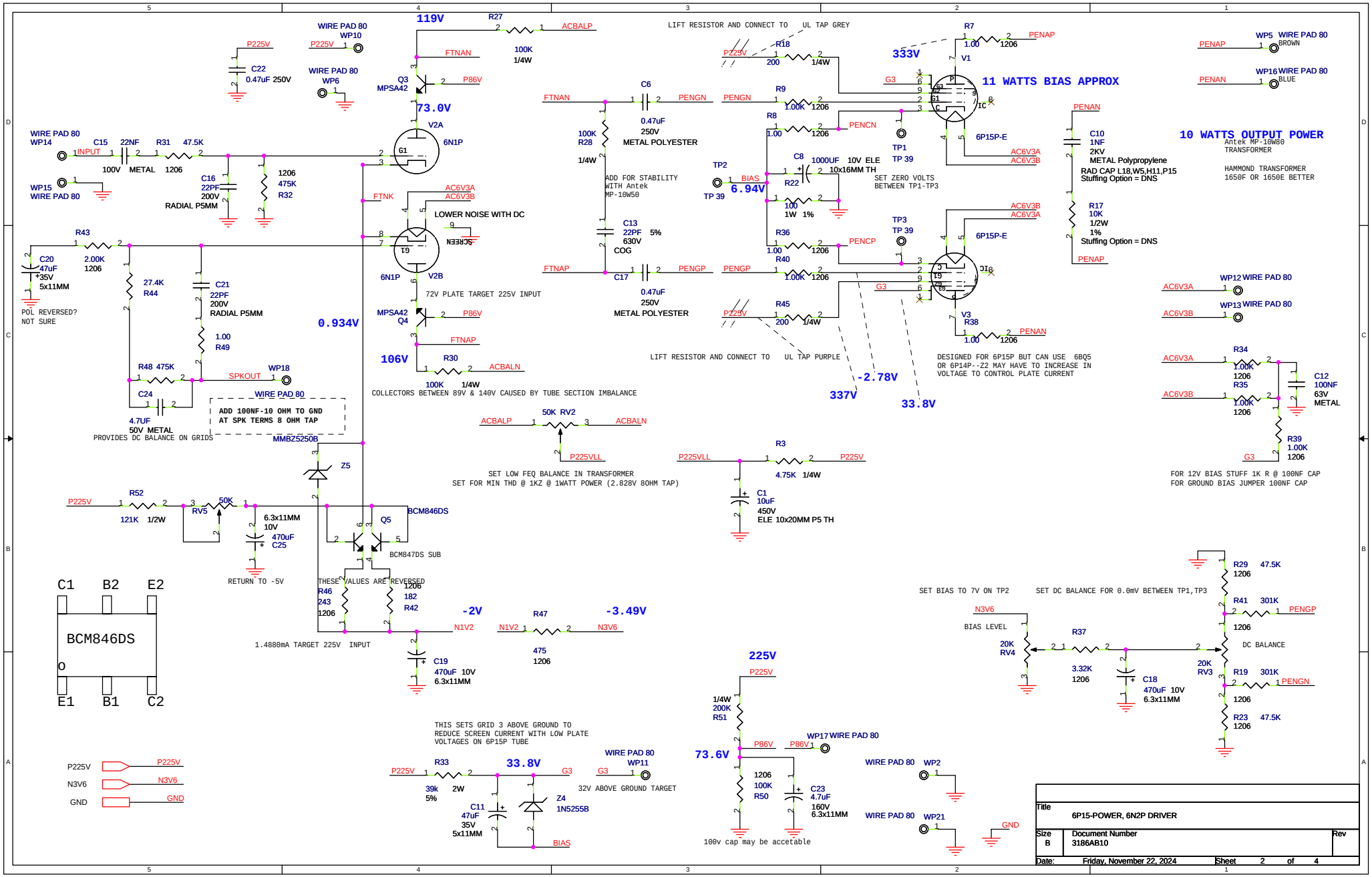
119V
WIRE PAD 80
WP10
WIRE PAD 80
WP6
P225V
C22
0.47uF 250V
R27
100K
1/4W
ACBALP
FTNAN
Q3
MPSA42
P86V
73.0V
V2A
6N1P
G1
WIRE PAD 80
WP14
C15
22NF
100V METAL
R31
47.5K
1206
INPUT
WP15
WIRE PAD 80
C16
22PF
200V
RADIAL P5MM
1206
475K
R32
FTNK
AC6V3A
AC6V3B
LOWER NOISE WITH DC
SCREEN
G1
6N1P
V2B
72V PLATE TARGET 225V INPUT
MPSA42
Q4
P86V
FTNAP
106V
R30
100K
1/4W
ACBALN
COLLECTORS BETWEEN 89V & 140V CAUSED BY TUBE SECTION IMBALANCE
R43
2.00K
1206
C20
47uF
+35V
5x11MM
POL REVERSED?
NOT SURE
27.4K
R44
C21
22PF
200V
RADIAL P5MM
0.934V
1.00
R49
R48 475K
SPKOUT
WP18
C24
4.7UF
50V METAL
PROVIDES DC BALANCE ON GRIDS
WIRE PAD 80
ADD 100NF-10 OHM TO GND
AT SPK TERMS 8 OHM TAP
MMBZ5250B
Z5
P225V
R52
121K 1/2W
RV5
50K
6.3x11MM
10V
470uF
C25
RETURN TO -5V
Q5
BCM846DS
BCM847DS SUB
THESE VALUES ARE REVERSED
R46
243
1206
1206
182
R42
1.4880mA TARGET 225V INPUT
-2V
N1V2
C19
470uF 10V
6.3x11MM
R47
475
1206
-3.49V
N3V6
C1 B2 E2
BCM846DS
E1 B1 C2
P225V
N3V6
GND
LIFT RESISTOR AND CONNECT TO UL TAP GREY
R18
200
1/4W
P225V
333V
R7
1.00
1206
PENAP
V1
G3
11 WATTS BIAS APPROX
P
G2
G1
C
IC
8
6P15P-E
AC6V3A
AC6V3B
TP1
TP 39
PENCN
R8
1.00
1206
R9
1.00K
1206
PENGN
C6
0.47uF
250V
METAL POLYESTER
FTNAN
100K
R28
1/4W
ADD FOR STABILITY
WITH Antek
MP-10W50
C13
22PF 5%
630V
COG
FTNAP
C17
0.47uF
250V
METAL POLYESTER
PENGP
TP2
BIAS
TP 39
6.94V
C8
1000UF 10V ELE
10x16MM TH
R22
100
1W 1%
SET ZERO VOLTS
BETWEEN TP1-TP3
R36
1.00
1206
PENCP
R40
1.00K
1206
PENGP
TP3
TP 39
AC6V3B
AC6V3A
6P15P-E
G3
R45
200
1/4W
P225V
LIFT RESISTOR AND CONNECT TO UL TAP PURPLE
337V
-2.78V
33.8V
V3
R38
1.00
1206
PENAN
DESIGNED FOR 6P15P BUT CAN USE 6BQ5
OR 6P14P--Z2 MAY HAVE TO INCREASE IN
VOLTAGE TO CONTROL PLATE CURRENT
C10
1NF
2KV
METAL Polypropylene
RAD CAP L18,W5,H11,P15
Stuffing Option = DNS
R17
10K
1/2W
1%
Stuffing Option = DNS
PENAP
PENAN
WP5 WIRE PAD 80
BROWN
WP16 WIRE PAD 80
BLUE
10 WATTS OUTPUT POWER
Antek MP-10W80
TRANSFORMER
HAMMOND TRANSFORMER
1650F OR 1650E BETTER
WP12 WIRE PAD 80
WP13 WIRE PAD 80
R34
1.00K
1206
R35
1.00K
1206
C12
100NF
63V
METAL
R39
1.00K
1206
FOR 12V BIAS STUFF 1K R @ 100NF CAP
FOR GROUND BIAS JUMPER 100NF CAP
50K RV2
ACBALP
ACBALN
P225VLL
SET LOW FEQ BALANCE IN TRANSFORMER
SET FOR MIN THD @ 1KZ @ 1WATT POWER (2.828V 8OHM TAP)
R3
4.75K 1/4W
C1
10uF
450V
ELE 10x20MM P5 TH
225V
1/4W
200K
R51
P86V
73.6V
1206
100K
R50
C23
4.7uF
160V
6.3x11MM
100v cap may be accetable
WP17 WIRE PAD 80
WIRE PAD 80 WP2
WIRE PAD 80 WP21
GND
THIS SETS GRID 3 ABOVE GROUND TO
REDUCE SCREEN CURRENT WITH LOW PLATE
VOLTAGES ON 6P15P TUBE
R33
39k
5%
2W
33.8V
G3
WIRE PAD 80
WP11
32V ABOVE GROUND TARGET
C11
47uF
35V
5x11MM
Z4
1N5255B
BIAS
SET BIAS TO 7V ON TP2
SET DC BALANCE FOR 0.0mV BETWEEN TP1,TP3
N3V6
BIAS LEVEL
20K
RV4
R37
3.32K
1206
C18
470uF 10V
6.3x11MM
20K
RV3
DC BALANCE
R29
47.5K
1206
R41
301K
1206
PENGP
R19
301K
1206
PENGN
R23
47.5K
1206
Title
6P15-POWER, 6N2P DRIVER
Size
B
Document Number
3186AB10
Rev
Date:
Friday, November 22, 2024
Sheet
2
of
4