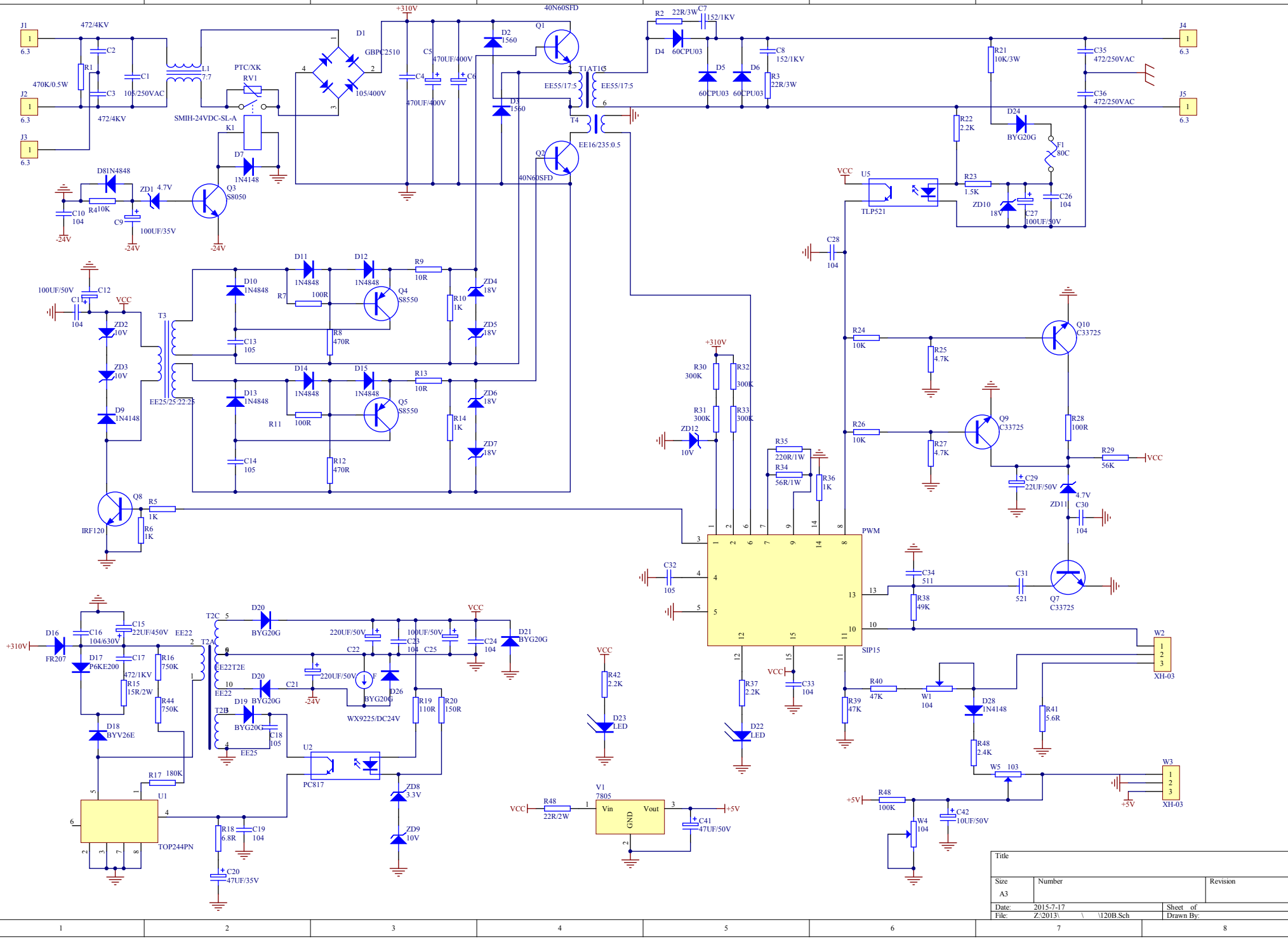

J1
J2
J3
J4
J5
6.3
472/4KV
470K/0.5W
R1
C2
C3
C1
105/250VAC
L1
7:7
PTC/XK
RV1
SMIH-24VDC-SL-A
K1
D7
1N4148
D1
GBPC2510
105/400V
+310V
C5
470UF/400V
C4
C6
D2
1560
D3
1560
Q1
40N60SFD
Q2
40N60SFD
T1AT1C
EE55/17:5
T4
EE16/235:0.5
R2
22R/3W
C7
152/1KV
D4
60CPU03
D5
60CPU03
D6
60CPU03
C8
152/1KV
R3
22R/3W
R21
10K/3W
C35
472/250VAC
C36
472/250VAC
R22
2.2K
D24
BYG20G
F1
80C
VCC
U5
TLP521
R23
1.5K
ZD10
18V
C27
100UF/50V
C26
104
C28
104
D81N4848
R4
10K
ZD1
4.7V
Q3
S8050
C10
104
C9
100UF/35V
-24V
100UF/50V
C12
C11
104
VCC
ZD2
10V
ZD3
10V
D9
1N4148
T3
EE25/25:22:25
D10
1N4848
D11
1N4848
D12
1N4848
R9
10R
R7
100R
Q4
S8550
R10
1K
ZD4
18V
ZD5
18V
C13
105
R8
470R
D13
1N4848
D14
1N4848
D15
1N4848
R13
10R
R11
100R
Q5
S8550
R14
1K
ZD6
18V
ZD7
18V
C14
105
R12
470R
Q8
IRF120
R5
1K
R6
1K
R24
10K
R25
4.7K
Q10
C33725
R26
10K
R27
4.7K
Q9
C33725
R28
100R
R29
56K
VCC
C29
22UF/50V
ZD11
4.7V
C30
104
R30
300K
R32
300K
R31
300K
R33
300K
ZD12
10V
R35
220R/1W
R34
56R/1W
R36
1K
PWM
SIP15
C32
105
C34
511
R38
49K
C31
521
Q7
C33725
W2
XH-03
R37
2.2K
D22
LED
C33
104
R40
47K
W1
104
R39
47K
D28
1N4148
R41
5.6R
R48
2.4K
W5
103
W3
XH-03
+5V
R48
100K
W4
104
C42
10UF/50V
D16
FR207
C16
104/630V
C15
22UF/450V
EE22
T2C
T2A
D17
P6KE200
C17
472/1KV
R15
15R/2W
R16
750K
R44
750K
D18
BYV26E
T2B
EE22T2E
EE22
EE25
D20
BYG20G
D19
BYG20G
C18
105
C21
220UF/50V
C22
220UF/50V
C23
104
100UF/50V
C25
C24
104
D21
BYG20G
D26
BYG20G
WX9225/DC24V
R19
110R
R20
150R
U2
PC817
R17
180K
U1
TOP244PN
R18
6.8R
C19
104
C20
47UF/35V
ZD8
3.3V
ZD9
10V
R42
2.2K
D23
LED
V1
7805
Vin
Vout
GND
R48
22R/2W
C41
47UF/50V
Title
Size
A3
Number
Revision
Date: 2015-7-17
File: Z:\2013\ \ \120B.Sch
Sheet of
Drawn By: