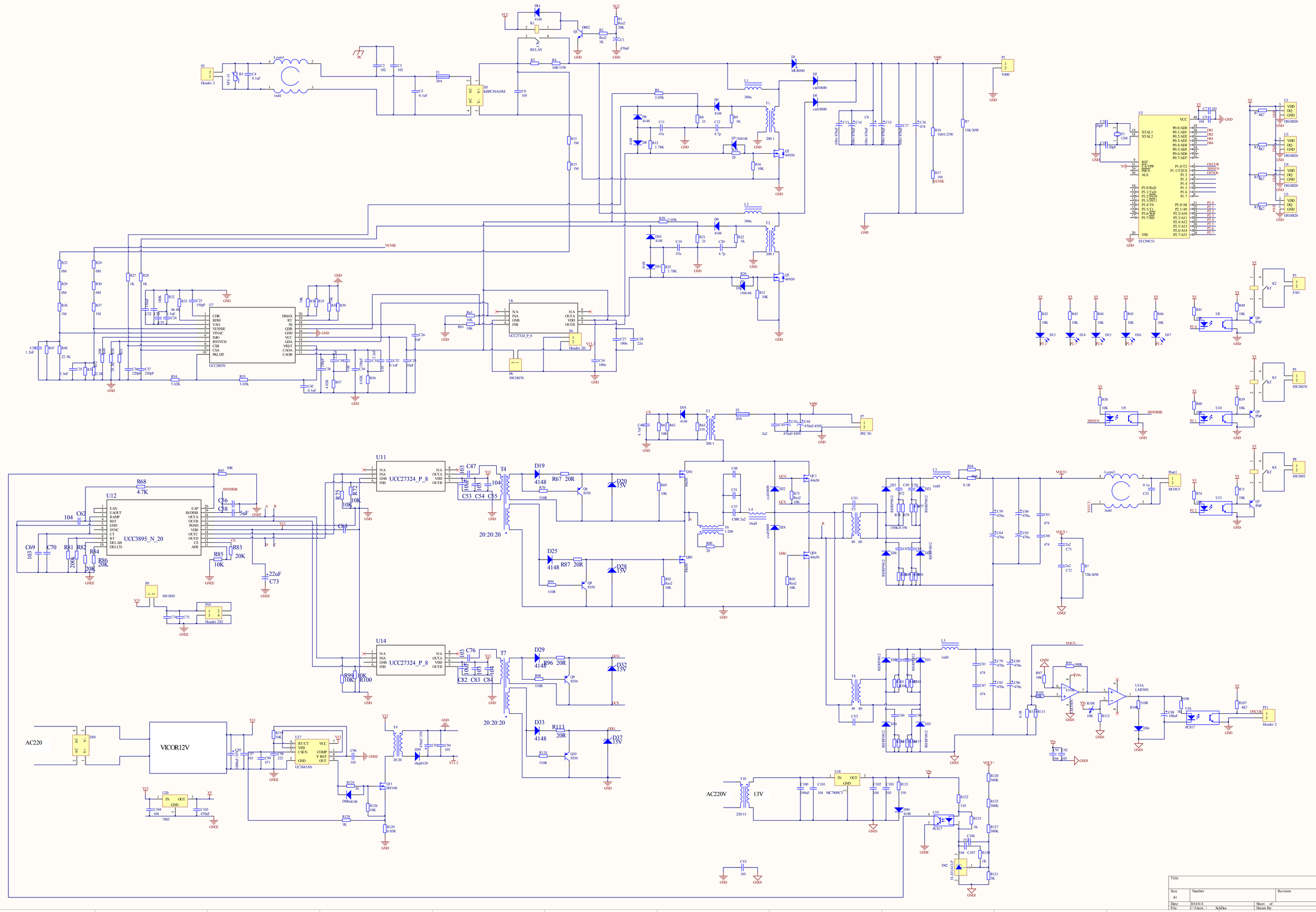
Dk1
4148
K1
RELAY
VCC
DB82
Q1
R1 Res2 20K
R2 Res2 1K
C1 470uF
GND
PE
J2
Header 2
MOV-31
R5
C4 0.1uF
Lcom1
1mH
C2 102
C3 102
C5 0.1uF
F1 20A
D3 KBPC50A10M
C6 105
R3
R4 16R/15W
D1 MUR890
D2 csd10600
D4 csd10600
V400
P1
V400
L1 300u
R6 2.05K
D5 4148
D6 4148
D8 4148
R8 33
R9 1K
C11 47n
C12 4.7p
R12 1.78K
D7 1N4148
R14 20
R16 10K
T1 200:1
Q5 44N50
R11 1M
R15 1M
C7 C8 C9 C13 C14 C15 C16 C17 450v 470uF
R10 1M/0.25W
R17 1M VSENSE
R7 15K/30W
VSENSE
L2 300u
R20 2.05K
D9 4148
D10 4148
D11 4148
C19 47n
C20 4.7p
R21 33
R22 1K
R25 1.78K
T2 200:1
Q3 44N50
R26
D12 1N4148
R31 10K
U2
STC89C51
VCC
XTAL1
XTAL2
RST
EA/VPP
PSEN
ALE
P0.0/AD0
P0.1/AD1
P0.2/AD2
P0.3/AD3
P0.4/AD4
P0.5/AD5
P0.6/AD6
P0.7/AD7
P1.0/T2
P1.1/T2EX
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
P3.0/RxD
P3.1/TxD
P3.2/INT0
P3.3/INT1
P3.4/T0
P3.5/T1
P3.6/WR
P3.7/RD
P2.0/A8
P2.1/A9
P2.2/A10
P2.3/A11
P2.4/A12
P2.5/A13
P2.6/A14
P2.7/A15
VSS
C18 20pF
Y1 12M
C18 20pF
C7 103
C9 104
OVC1_R
3895EN
OVCVL
DS1
DS2
DS3
DS4
U1 U3 U4 U5
DS18B20
R1 R2 R3 R4 10K
R13 R14 R15 R16 8K7
R23 R24 0M
R29 R30 0M
R36 R37 1M
R27 R28 1K
C21 150pF
R32 46.4K
R33 5.6K
C24 C25 150pF 100K
R34 R35 76K
R38 10K
R39
U7
UCC28070
CDR
RDM
VAO
VESNSE
VINAC
IMO
RSYNTH
CSB
CSA
PKLMT
DMAX
RT
SS
GDB
GND
VCC
GDA
VREF
CAOA
CAOB
C26 1uF
C27 100n
C28 22u
C34 100u
Ra1 10K
Rb1 10K
U6
UCC27324_P_8
N/A
INA
GNB
INB
N/A
OUTA
VDD
OUTB
P4
Header 2H
V13.2
P6
SW28070
C29 1.2nF
R47
R48 22.3K
C35 3.3nF
R52 R53 20K
R49 R50 R51 12.1K
C36 C37 220pF
R54 5.62K
R55 3.65K
C30 C31 C32 C33 2.2nF
C38 470pF
C39 330pF
R56 4.02K
R57
C42 0.1uF
C40 C41 0.1uF
U11
U14
UCC27324_P_8
C47 C76 103
C53 C54 C55 C82 C83 C84 104
T4 T7
20:20:20
D19 D29
4148
R67 R96 20R
R70 R98 510R
Q6 Q9 8550
D20 D32 15V
D25
R87 20R
R94 510R
Q8
D28 15V
R69 10K
R92 Res2 10K
QA1 QB1 44n50
C48 C51 C57 CBB 2a2
L4 16uH
T6 1:200
R80 20
OCA1 OCB1 csd10600
OCG
OCS
D22 D24
R73 Res2 10K
OC1 OD1 44n50
R93 Res2 10K
R65 30K
R68 4.7K
U12
UCC3895_N_20
EAN
EAOUT
RAMP
REF
GND
SYNC
CT
RT
DELAB
DELCD
EAP
SSDISB
OUTA
OUTB
PGND
VDD
OUTC
OUTD
CS
ADS
C62 104
C56 C58 5uF
3895DISB
C63 103
C69 105
C70
R81 R82 200K
R84 20K
R86 20K
R85 10K
R83 20K
C73 +22uF
R75 R72 10K
R90 R91 10K
R100
P9
SW3895
P10
Header 2X2
C74 C75
T3
F2 20A
C45 4.7nF
R61 R62 10R
C43 C44 470uF/450V
2u2
P7
PFC IN
D18 4148
R63 510
200:1
T5
CY1 CY2
40 60
R64 R66 0.1R
L3 1mH
D21 D23 D26 D28
R72 R73 R74 R75
R78 R79 150K/0.5W
R76 R77 R81
RHRP0812
C49 C50 C67 C68
C59 C60 C61 C64 C65 C66 470u 474
VOUT+
VOUT-
Lcom2
3mH
C52 0.1u
Post1
DCOUT
C71 2n2
C72
R? 72K/40W
L5 1mH
D31 D33 D34 D35
C89 C90 C91 C92 C93 C94 104
C79 C80 C85 C86 C87 470u 474
R97 R105 10K
R95 100K
U15A
U15B
LM358N
R108 10K
R112
R106 R107 4K7
R109 510R
R111 0.1R
C88 100uF
D36
PC817
U16
P11
OVCVLR
Header 2
C91 C92 104 103
AC220
D38
VICOR12V
C95 100uF/35V
C97 103
C98 471
C99 222
U17
UC3843AN
R115 10K
C96 103
T9
20:20
D39 sbrp8120
C93 470uF/35V
C94 103
R124 20
Q11 IRF540
R126 10K
R128 1K
R129 0.05R
U20
7805
C104 104
C105 470uF
AC220V
T10
220/13
U18
MC7809CT
C100 100uF
C101 104
C102 104
C103 103
R121 510
D40 4148
U19
PC817
R122 510
R125 1K
R120 300K
R123 300K
R127 300K
C106 153
C107 104
R130 1K
D42 TL431CLP
R131 3K
CY3 103
P8
SW3895
K4
P5
SW28070
K3
P3
FAN
K2
R41 R42 R43 R44 R45 R46 R40 R58 R59 R60 R74 R71 10K
D13 D14 D15 D16 D17
Q4 Q5 Q7 PNP
U8 U9 U10 U13
3895EN
3895DISB
P2.0 P2.1 P2.2
Title
Size A1
Number
Revision
Date: 2014/6/4
File: C:\Users\...\ SchDoc
Sheet of
Drawn By: