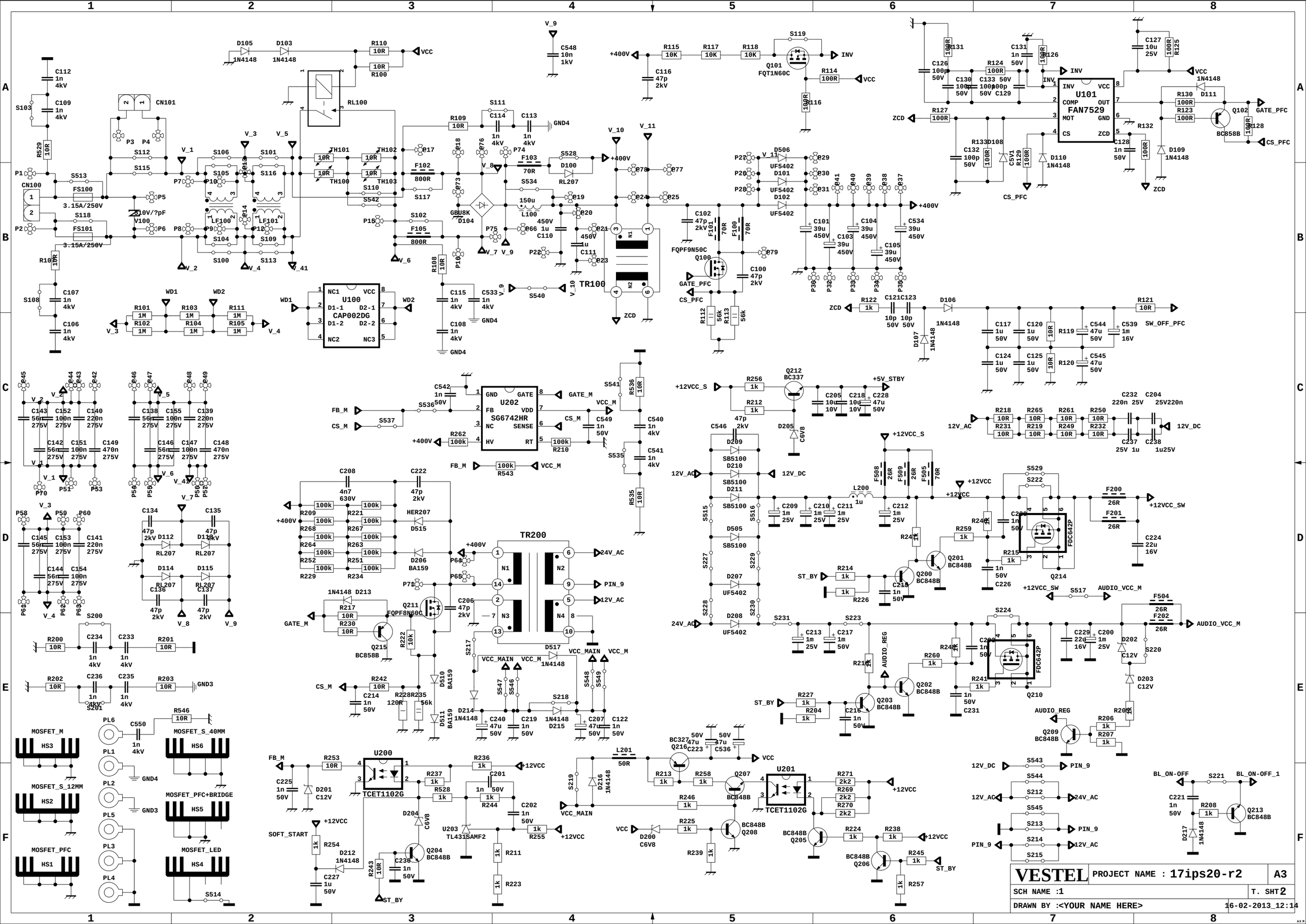
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2
3
4
5
6
7
8
A
B
C
D
E
F
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CN101
FS100
3.15A/250V
FS101
3.15A/250V
RL100
TR100
TR200
U100
CAP002DG
U101
FAN7529
U200
SG6742HR
U201
TCET1102G
U202
TCET1102G
GBU8K
D104
Q100
FQPF9N50C
Q101
FQT1N60C
Q102
BC858B
Q200
BC848B
Q201
BC848B
Q202
BC848B
Q203
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BC848B
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Q207
BC848B
Q208
BC848B
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BC848B
Q210
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Q211
FQPF8N60C
Q212
BC337
Q213
BC848B
Q214
FDC642P
Q215
BC858B
Q216
BC327
VCC
+400V
+12VCC
+12VCC_S
+12VCC_SW
+5V_STBY
12V_AC
12V_DC
24V_AC
VCC_MAIN
VCC_M
INV
ZCD
CS_PFC
GATE_PFC
GATE_M
FB_M
CS_M
SOFT_START
ST_BY
PIN_9
SW_OFF_PFC
AUDIO_VCC_M
AUDIO_REG
BL_ON-OFF
BL_ON-OFF_1
MOSFET_M
MOSFET_S_12MM
MOSFET_PFC
MOSFET_S_40MM
MOSFET_PFC+BRIDGE
MOSFET_LED
HS1
HS2
HS3
HS4
HS5
HS6
VESTEL
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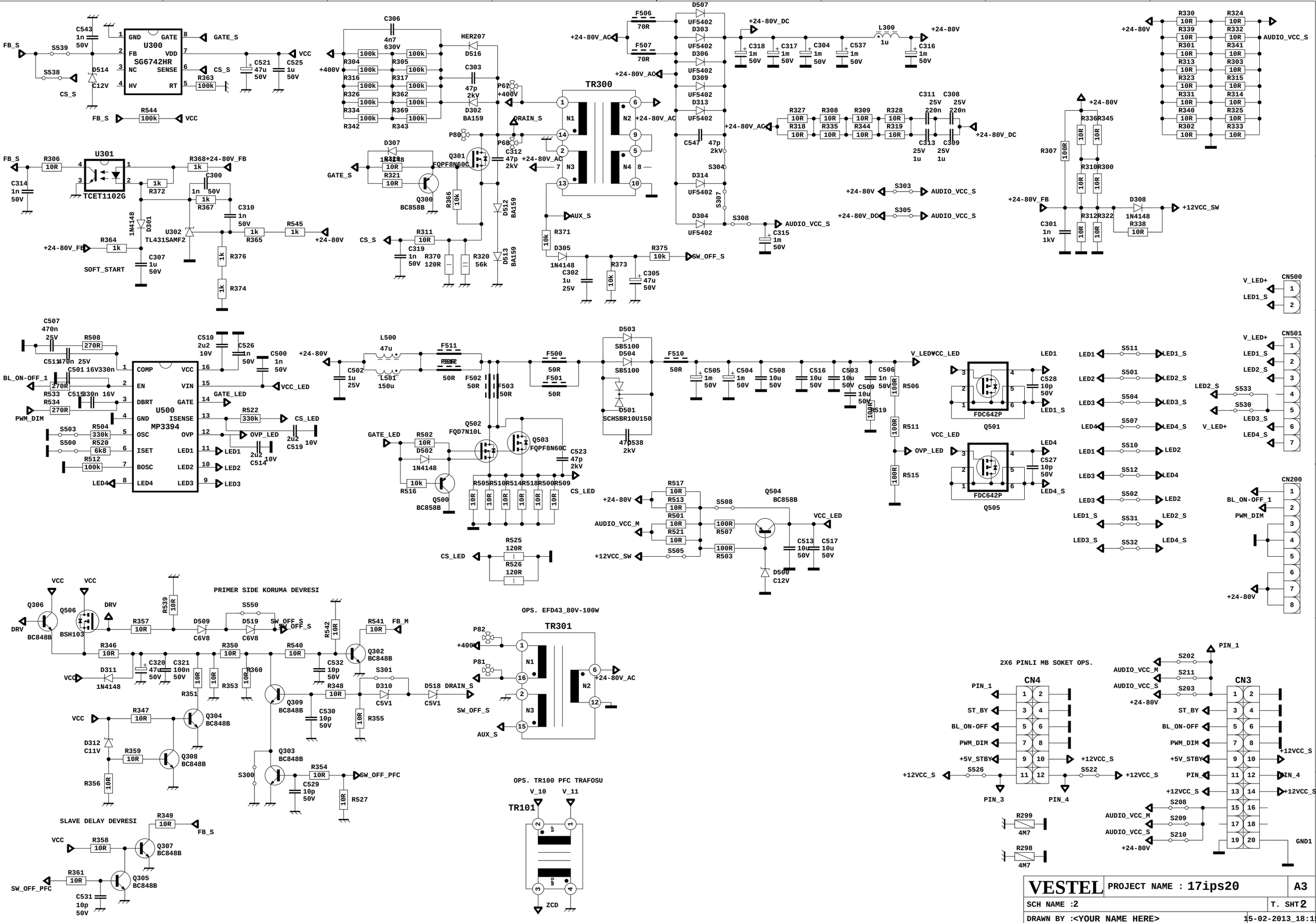
A3
SCH NAME :1
T. SHT2
DRAWN BY :<YOUR NAME HERE>
16-02-2013_12:14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SG6742HR
GND
GATE
FB
VDD
NC
SENSE
HV
RT
GATE_S
CS_S
VCC
FB_S
S539
S538
C543
1n
50V
D514
C12V
R363
100k
C521
47u
50V
C525
1u
50V
R544
100k
C306
4n7
630V
HER207
D516
C303
47p
2kV
D302
BA159
R304
R305
R316
R317
R326
R362
R334
R369
R342
R343
+400V
P67
+400V
P80
P68
DRAIN_S
C312
47p
2kV
TR300
N1
N2
N3
N4
+24-80V_AC
AUX_S
F506
70R
F507
70R
D507
UF5402
D303
D306
D309
D313
D314
D304
C547
47p
2kV
S304
S307
S308
AUDIO_VCC_S
C315
1m
50V
+24-80V_DC
C318
C317
C304
C537
1u
L300
C316
R330
R324
R339
R332
R301
R341
R313
R303
R323
R315
R331
R314
R340
R325
R302
R333
AUDIO_VCC_S
R327
R308
R309
R328
R318
R335
R344
R319
C311
C308
220n
C313
C309
1u
S303
S305
U301
TCET1102G
R306
10R
R368
1k
+24-80V_FB
C314
1n
50V
R372
C300
R367
C310
R365
R545
R364
C307
1u
SOFT_START
U302
TL431SAMF2
1N4148
D301
R376
R374
D307
R324
R321
Q300
BC858B
Q301
FQPF8N60C
R366
10k
D512
BA159
D513
BA159
R311
C319
R370
120R
R320
56k
R371
D305
C302
R373
C305
47u
R375
SW_OFF_S
R336
R345
R307
100R
R310
R300
R312
R322
D308
1N4148
R338
C301
1n
1kV
+12VCC_SW
C507
470n
25V
R508
270R
C511
470n
25V
C501
16V330n
R533
C515
330n
16V
R534
PWM_DIM
S503
R504
330k
S500
R520
6k8
R512
100k
U500
MP3394
COMP
VCC
EN
VIN
DBRT
GATE
GND
ISENSE
OSC
OVP
ISET
LED1
BOSC
LED2
LED4
LED3
C510
2u2
10V
C526
1n
50V
C500
1n
50V
VCC_LED
GATE_LED
R522
330k
CS_LED
OVP_LED
2u2
C519
10V
2u2
C514
10V
LED1
LED2
LED3
BL_ON-OFF_1
L500
47u
C502
1u
25V
L501
150u
F511
F512
50R
F502
50R
F503
50R
F500
50R
F501
50R
D503
SB5100
D504
SB5100
D501
SCHSBR10U150
47
2kV
F510
50R
C505
1m
50V
C504
1m
50V
C508
10u
50V
C516
10u
50V
C503
10u
50V
C506
1n
50V
C509
10u
50V
100R
R519
R506
R511
R515
OVP_LED
V_LED
VCC_LED
LED1
C528
10p
50V
LED1_S
FDC642P
Q501
VCC_LED
LED4
C527
10p
50V
LED4_S
FDC642P
Q505
Q502
FQD7N10L
Q503
FQPF8N60C
C523
47p
2kV
GATE_LED
R502
D502
1N4148
R516
Q500
BC858B
R505
R510
R514
R518
R500
R509
CS_LED
R517
R513
R501
R521
+24-80V
AUDIO_VCC_M
+12VCC_SW
S508
S505
100R
R507
100R
R503
Q504
BC858B
VCC_LED
C513
10u
50V
C517
10u
50V
D500
C12V
R525
120R
R526
120R
CS_LED
V_LED+
LED1_S
CN500
LED2_S
LED3_S
LED4_S
CN501
S511
S501
S504
S507
S510
S512
S502
S531
S532
S533
S530
CN200
PWM_DIM
+24-80V
PRIMER SIDE KORUMA DEVRESI
VCC
Q306
BC848B
Q506
BSH103
DRV
R357
10R
R539
10R
D509
C6V8
D519
C6V8
S550
SW_OFF_S
R542
10R
R541
FB_M
R346
R350
R540
Q302
BC848B
C320
47u
50V
C321
100n
50V
C532
10p
50V
S301
D311
1N4148
R351
R353
R360
D310
C5V1
R348
Q309
BC848B
C530
10p
50V
R355
D518 DRAIN_S
C5V1
SW_OFF_S
AUX_S
R347
Q304
BC848B
D312
C11V
R359
Q308
BC848B
R356
Q303
BC848B
S300
R354
C529
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50V
SW_OFF_PFC
R527
OPS. EFD43_80V-100W
TR301
P82
+400V
P81
N1
N2
N3
+24-80V_AC
OPS. TR100 PFC TRAFOSU
TR101
V_10
V_11
NP
NPD
ZCD
SLAVE DELAY DEVRESI
R349
FB_S
R358
Q307
BC848B
R361
Q305
BC848B
C531
10p
50V
2X6 PINLI MB SOKET OPS.
CN4
CN3
PIN_1
ST_BY
BL_ON-OFF
PWM_DIM
+5V_STBY
+12VCC_S
PIN_3
PIN_4
S526
S522
R299
4M7
R298
4M7
S202
AUDIO_VCC_M
S211
AUDIO_VCC_S
S203
+24-80V
S208
S209
S210
GND1
VESTEL
PROJECT NAME : 17ips20
A3
SCH NAME :2
T. SHT 2
DRAWN BY :<YOUR NAME HERE>
15-02-2013_18:15