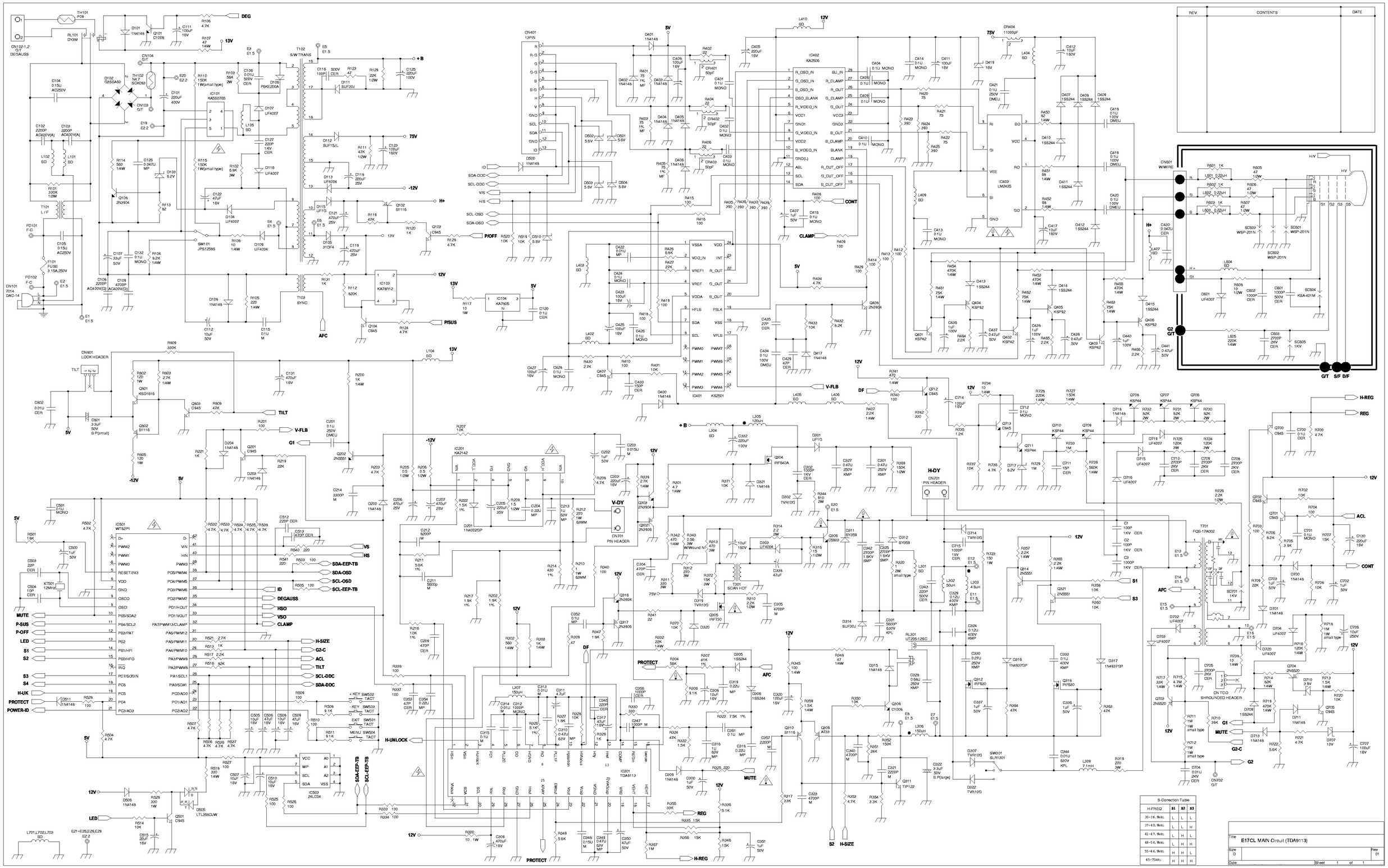
CN102-1,2 G/T DEGAUSS
TH101 P09
RL101 DY3M
DEG
13V
CN104 G/T
TH102 N47 SCD263
D102 GBSB5A50
CN103 G/T
C104 0.15U AC250V
C102 2200P AC400V(A)
C103 2200P AC400V(A)
L102 BD
L101 BD
R101 330K 1/2W
T101 L/F
FC101 F-C
C105 0.15U AC250V
F101 FUSE 3.15A,250V
FC102 F-C
CN101 7014 DAC-14
C101 220uF 400V
R110 150K 1W(small type)
R103 56K 3W
IC101 KASS0765
C106 0.01U 500V CER
D106 P6KE200A
D107 UF4007
L105 BD
C127 220P 1KV CER
D116 UF4007
R114 560 1/4W
C126 0.047U MP
D103 6.2V
Q106 2N3904
R113 82
R115 150K 1W(small type)
R102 6.8K 3W
C122 470uF 16V
D104 UF4007
SW101 JPS1258S
R108 10 1/4W
D109 UF4004
C107 33uF 50V
C132 0.1U MONO
R104 8.2K 1/4W
C108 2200P AC400V(D)
C109 4700P AC400V(D)
D108 1N4148
R105 220 1/4W
C112 10uF 50V
C115 0.1U M
AFC
T102 S/W TRANS
C116 500V 100P
R123 47
R129 22K 1/2W
C125 220uF 100V
D111 SUF30J
D112 SUF15JL
R111 47K 1/2W
C129 100uF 160V
D113 UF4004
C119 220uF 25V
D115 UF1G
C121 470uF 25V
R119 47K
Q102 B1116
D105 31DF4
C119 470uF 25V
R120 1K
Q103 C945
R128 4.7K
P/OFF
R131 1K
R112 820K
IC103 KA78R12
Q104 C945
R124 4.7K
P/SUS
T103 SYNC
+B
75V
-12V
H+
12V
13V
R117 10 1W
IC104 KA7805
C120 0.1U CER
5V
CN401 13PIN
D401 1N4148
D402 1N4148
R401 75 1% MF
D403 1N4148
C409 100uF 16V
R402 68
CR401 50pF
C401 0.1U MONO
R404 68
CR402 50pF
C402 0.1U MONO
R406 68
CR403 50pF
C403 0.1U MONO
D404 1N4148
D405 1N4148
R405 75 1% MF
D406 1N4148
D500 1N4148
D502 5.6V
D501 5.6V
D503 5.6V
D504 5.6V
ID
SDA-DDC
SCL-DDC
V/S
H/S
SCL-OSD
SDA-OSD
R520 10K
R519 10K
D510 5.6V
C405 220uF 16V
L410 BD
IC402 KA2506
R415 100
R416 100
R435 390
R436 390
R437 390
R438 390
R406 100
CONT
C407 1uF 50V
C416 0.1U MONO
CLAMP
R409 100
C422 0.01U MP
R426 6.8K
R427 27K
C424 0.1U MONO
C423 100uF 16V
C425 100uF 16V
C426 0.1U MONO
R419 100
IC401 KS2501
L402 BD
L403 BD
C427 100uF 16V
C428 0.1U MONO
Q407 C945
R430 2.7K
R410 100
C433 150P CER
R431 10K
D400 1N4148
L404 BD
C412 10uF 160V
D419 16V
C421 0.1U 250V DMEU
D407 1SS244
D408 1SS244
D409 1SS244
R450 68 1/4W
D410 1SS244
R420 75
R423 390
R424 390
R421 75
R422 75
R425 390
C414 0.1U MONO
C411 100uF 16V
C404 0.1U MONO
C408 0.1U MONO
C409 0.1U MONO
C410 0.1U MONO
IC403 LM2435
L409 BD
C413 0.1U MONO
R451 68 1/4W
D411 1SS244
R452 68 1/4W
C417 10uF 160V
D412 1SS244
C419 0.1U 100V DMEU
C420 0.1U 100V DMEU
R454 470K 1/4W
R455 470K 1/4W
R453 470K 1/4W
D413 1SS244
D414 1SS244
R451 75K 1/4W
R452 75K 1/4W
Q404 KSP92
Q405 KSP92
R453 75K 1/4W
D415 1SS244
Q406 KSP92
Q401 KSP42
C435 1uF 100V
C437 0.47uF 50V
Q402 KSP42
C439 1uF 100V
C429 0.47uF 50V
Q403 KSP42
R465 2.2K
R466 2.2K
C440 1uF 100V
C441 0.47uF 50V
CR404 11000pF
L404 BD
CN601 WWWIRE
R601 1K
L601 0.22uH
R602 1K
L602 0.22uH
R603 1K
L603 0.22uH
R605 47 1/2W
R606 47 1/2W
R607 47 1/2W
SC603 WSP-201N
SC601 WSP-201N
SC602 WSP-201N
H/V
L604 BD
R608 10 1/2W
D601 UF4007
C602 1000P 250V CER
C601 1000P 500V CER
SC604 KSA-401M
L605 220K 1/4W
C603 2700P 2KV CER
SC605 1KV
G2 G/T
G/T S/F D/F
REV. CONTENTS DATE
CN801 LOCK HEADER
TILT
R809 330K
R802 120 1W
R803 2.7K 1/4W
Q801 KSD1616
Q803 C945
R808 47K
C802 0.01U CER
C801 3.3uF 50V B.P(small)
Q802 B1116
R805 120 1W
R801 100
C131 470uF 16V
R200 1K 1/4W
L104 BD
C201 0.1U 250V DMEU
Q202 2N3591
R221 1K
Q204 1N4148
Q201 C945
R219 22K
D203 1N4148
R203 4.7K
R205 0.5 1/2W
R206 0.5 1/2W
R207 10K
IC201 KA2142
C202 1uF 50V
C203 0.01U M
R208 4.7K
R303 220uF 16V
R339 2.7K 1/4W
Q303 2N3904
Q302 2N3906
V-DY
CN701 PIN HEADER
C214 3300P M
D200 1N4148
C206 470uF 25V
C207 470uF 25V
R222 1.5K 1%
C205 220uF 35V
R209 1.5 1/2W
C204 0.22U MP
C213 1U 63V MP
R212 270 1W 63MM
R210 1 1W 63MM
D201 1N4002GP
C212 5600P M
R211 5.6K 1%
R214 430 1%
R340 100
R217 1.9K 1%
R202 1.9K 1%
R216 10K 1%
C209 470P CER
R21
R338 100
R337 100
R301 4.7 1/4W
R371 10K
D321 1N4148
D302 TVR10G
R344 910 2W
R342 470 1/4W
R343 0.56 3W W/Wound N/F
R313 470 3W
R312 270 3W
R311 330 3W
R372 15K 3W
T301 SCAN HDT
R310 2.2K 1/2W
C305 4700P M
D319 TVR10G
Q305 IRF730
D320
R370 10K
R341 22
R347 1.8K
Q316 2N3904
Q317 2N3906
C352 0.1U MP
R302 560 1/4W
R303 1K 1/4W
R309 47
DF
R332 22K 1/4W
PROTECT
R304 56K
R307 41K 1%
D305 1SS244
AFC
R306 8.1K
R308 10uF 16V
D306 1SS244
C319 0.22U MP
C256 1000P CER
R330 330
C347 1000P M
L307 150uH
C314 0.01U M
C312 1000P MC3N2
C311 4.7uF
C313 0.01U M
R326 5.1K 1%
R327 1.8K
C310 0.47U 63V MP
R328 10K
C343 220P CER
C317 47uF 16V
R329 1K
R323 7.5K 1%
R324 47K
R322 1.5K
C316 1U 63V MP
C361 0.1U MP
C318 0.22U MP
C315 0.1U M
C357 2200P M
R325 220
MUTE
D309 1N4148
C300 1uF 50V
R317 33K
C329 4700P M
R345 100 1/4W
R348 47 1/4W
R359 1.5K 1/4W
Q310 S1116
Q209 A733
D315 1N4148
C328 0.68U 250V KMP
C320 100uF 16V
Q208 C1008
R350 1K
E8 E1.5
E7 E1.5
L306 150uH
R352 150K
R351 24K
C340 4700P M
C321 2200P M
Q311 TIP122
C322 3.3uF 50V B.P(large)
R353 4.7K
R354 3.3K
S2 H-SIZE
D307 TVR10G
SW301 SLR1301
D322 TVR10G
R741 470 1/4W
R740 100
Q712 C945
R742 330
R407 2.2K 1/4W
L405 BD
L406 BD
V-FLB
+B
L304 BD
C332 220uF 100V
L305 120uH
Q304 IRF840A
C302 1000P 1KV CER
C327 0.47U 250V KMP
C301 0.47U 250V KMP
R369 150K 1/2W
R314 2.2 2W
D303 UF4004
R316 15 1/2W
C342 2700P 1.6KV SMP
C325 2700P 1.6KV SMP
D311 BY359
D312 BY359
R320 1 2W small type
L301 BD
C343 225P 500V CER
L302 50uH
C329 0.12U 400V KMP
L303 4.6uH
E12 E1.5
E11 E1.5
D314 SUF30J
D331 5600P 630V KPL
RL301 UT225-12SC
C324 0.12U 400V KMP
C330 0.27U 250V KMP
Q312 IRF820
D316 1N4937GP
C337 1uF 50V
R364 47K
C333 0.1U 400V KMP
Q318 IRF820
C335 1uF 50V
D317 1N4937GP
R363 47K
C344 0.01U 630V KPL
L309 7.1mH
R319 270 3W
R726 2.2K 1/2W
R727 150K 1/4W
R728 220K 1/4W
Q710 KSP44
Q709 KSP44
R733 1M
Q711 KSP44
R729 1M
C711 15P CER
R739 560K 1/4W
R734 10 1/4W
C714 100uF 16V
C712 0.1U MONO
Q713 C945
R735 2K
R737 10K
R738 4.7K
D717 6.2V
D718 1N4148
Q706 KSP44
Q707 KSP44
Q708 KSP44
R732 82K 2W
R731 82K 2W
R730 82K 2W
D719 UF4007
R725 120K 3W
R724 120K 3W
D715 UF4007
D716 UF4007
C710 2700P 2KV CER
C709 2700P 2KV CER
C708 2700P 2KV CER
H-DY
CN701 PIN HEADER
C1 100P 1KV CER
C2 100P 1KV CER
C3 1000P 1KV CER
T701 FQS-17A002
E13 E1.5
E14 E1.5
E15 E1.5
E16 E1.5
SC701 1KV
D702 UF4007
D703 UF4007
D704 UF4007
D720 UF4007
R718 1M 1W small type
R716 120K 1/4W
C706 10uF 250V
R723 150 1W
R357 2.2K 1/4W
R365 2.2K 1/4W
Q314 2N5551
Q321 2N5551
R358 10K
R360 10K
S1
S3
AFC
R703 100
R709 22K
R706 8.2K
C701 0.1U MONO
R704 100
Q701 C945
R700 4.7K
C700 0.1U CER
Q700 C945
H-REG
REG
R702 10K
Q702 C945
R707 15K
C130 220uF 16V
ACL
CONT
R705 3.9K
D700 1N4148
R708 10K
C702 1uF 50V
R709 22K
C703 1uF 50V
D701 1N4148
R717 33K 1/4W
R715 4.7M 1/4W
Q703 2N6520
R711 1M 1W small type
R712 1M 1W small type
R710 39K
C704 0.01U 2KV CER
CN702 G/T
CN TCO SHROUNDED HEADER
G1
MUTE
G2-C
G2
C705 2700P 2KV CER
R728 10 1/4W
R714 82K 1/4W
R713 1.5K 1/4W
R720 10K
Q704 2N6520
D710 3.9V
Q705 C945
D708 1SS244
R719 470K 1/4W
D711 1N4148
R721 4.7K
D713 1N4148
R722 5.6K
C707 10uF 16V
C706 10uF 250V
12V
CN501 WT52P1
D+
PWM2
PWM1
PWM0
RESET/3V3
VDD
GND
OSCO
OSCI
PB5/SDA2
PB4/SCL2
PB3/PAT
PB2
PB1/HFI
PB0/HFO
IRQ
PC7/SOGIN
PC6
PC5
PC4
PC3/AD3
D
VIN
HIN
PWM3
PD5/PWM4
PD4/PWM5
PD3/PWM6
PD2/PWM7
PD1/HOUT
PD1/VOUT
PA7/PWM13/CLAMP
PA6/PWM12
PA5/PWM11
PA4/PWM10
PA3/PWM9
PA2/PWM8
PA1/SCL1
PA0/SDA1
PC0/AD0
PC1/AD1
PC2/AD2
MUTE
P-SUS
P-OFF
LED
S1
S2
S3
S4
H-UK
PROTECT
POWER-ID
H-SIZE
G2-C
ACL
TILT
SCL-DDC
SDA-DDC
VS
HS
SDA-EEP-TB
SDA-OSD
SCL-OSD
SCL-EEP-TB
ID
DEGAUSS
HSO
VSO
CLAMP
XT501 12MHz
C500 1uF 50V
C501 0.1U MONO
R501 1.8K
C502 22P CER
C504 10P CER
R502 4.7K
R532 4.7K
R533 4.7K
R534 4.7K
R535 4.7K
R538 4.7K
D512 220P CER
C513 470P CER
R540 220
R541 220
R503 100
R505 100
R521 2.7K
R513 1K
R517 2.2K
R516 82K
R509 100
R508 9.1K
R511 9.1K
R510 100
+ KEY SW502 TACT
- KEY SW503 TACT
EXIT SW501 TACT
MENU SW504 TACT
H-UNLOCK
C505 10uF 16V
C506 47uF 16V
C509 10uF 16V
C509 47uF 16V
R507 4.7K
R506 4.7K
R536 4.7K
R537 4.7K
R504 4.7K
R527 100
R518 330 1/4W
C507 10uF 16V
C510 10uF 16V
IC503 24LC04
SDA-EEP-TB
SCL-EEP-TB
D506 1N4148
R529 330 1W
D505 LTL358DJW
R525 100
R526 100
R333 100
R334 100
LED
R514 10K
Q501 C945
C515 22uF 16V
L701,L702,L703 BD
E21~E26,E28,E29 E2.2
IC301 TDA9113
R355 33K
R335 15K
R336 5.1K
R356 15K
R346 1.5K
C351 1uF 50V
R367 1M
H-REG
R300 10 1W
C209 470uF 16V
R349 5.6K
C348 0.15U M
C349 0.47U 63V MP
C350 47uF 50V
PROTECT
S-Correction Table
H-FREQ S1 S2 S3
30~36.9kHz L L L
37~40.9kHz L L H
41~47.9kHz L H L
48~54.9kHz L H H
55~64.9kHz H H L
65~75kHz H H H
Title
E17CL MAIN Circuit (TDA9113)
Size D
Rev 01
Date
Sheet 1 of 1