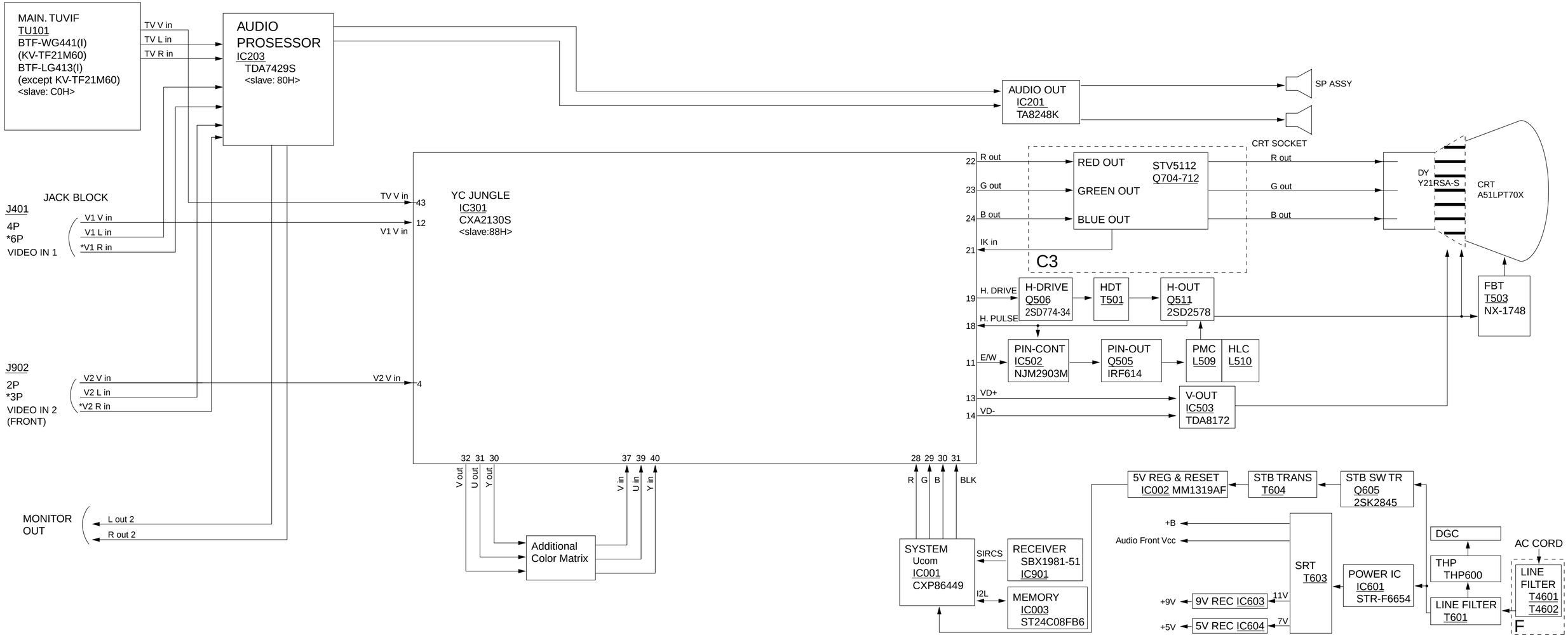
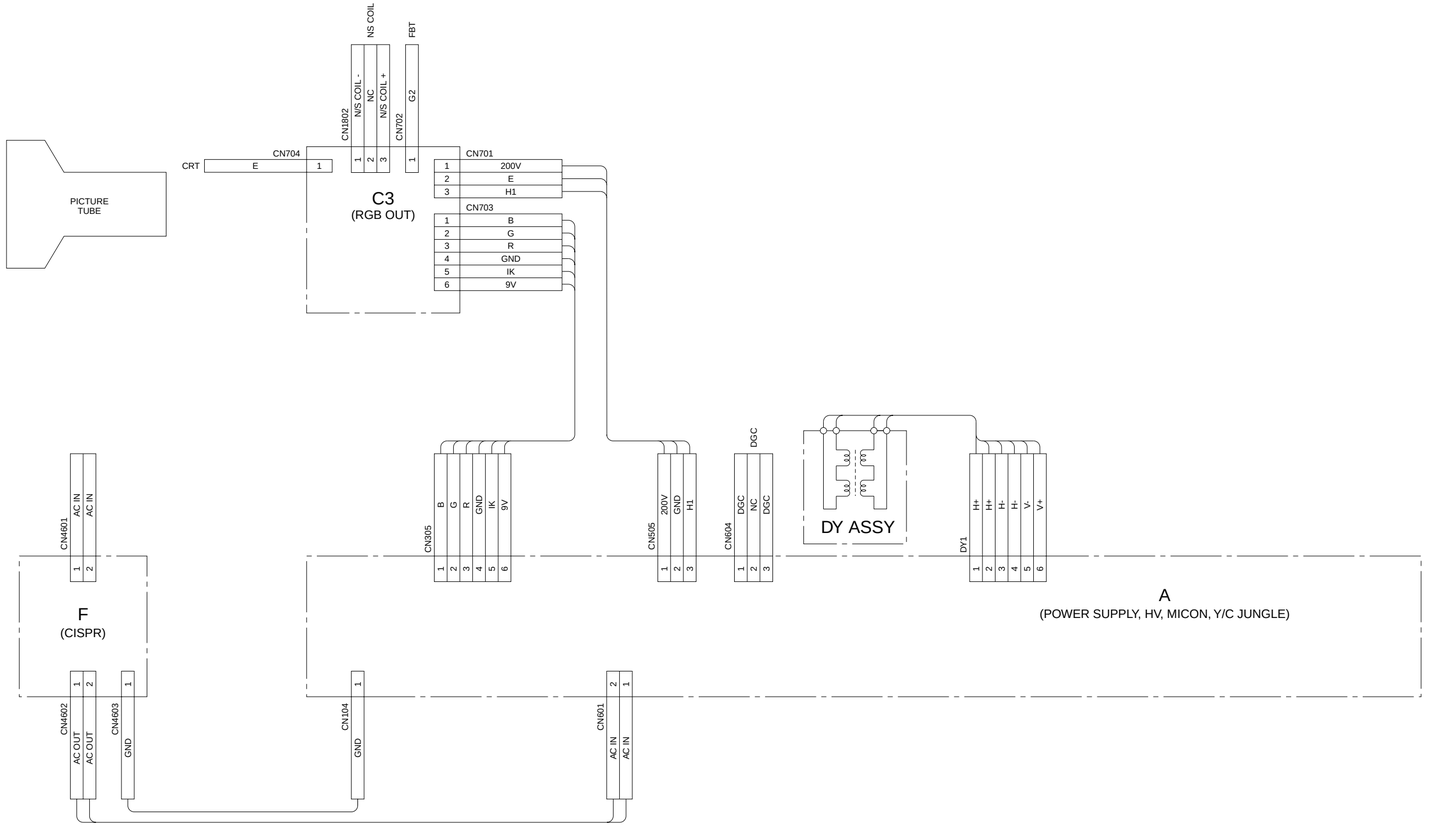
KV-PF21P40/TF21M60/TF21P50
RM-952
KV-PF21P40/TF21M60/TF21P50
RM-952

SECTION 5
DIAGRAM

5-1. BLOCK DIAGRAM



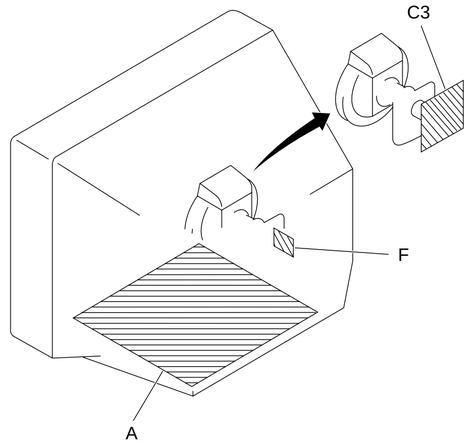
5-2. FRAME SCHEMATIC DIAGARM



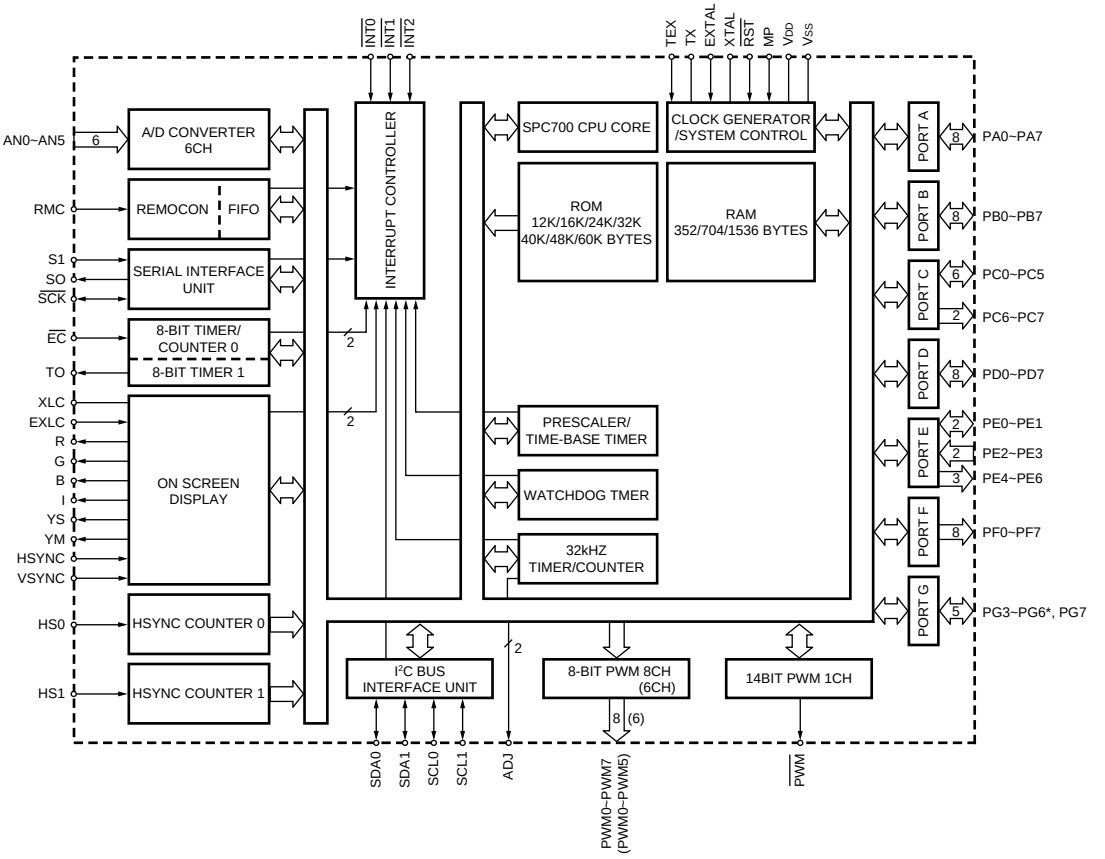
KV-PF21P40/TF21M60/TF21P50
RM-952

KV-PF21P40/TF21M60/TF21P50
RM-952

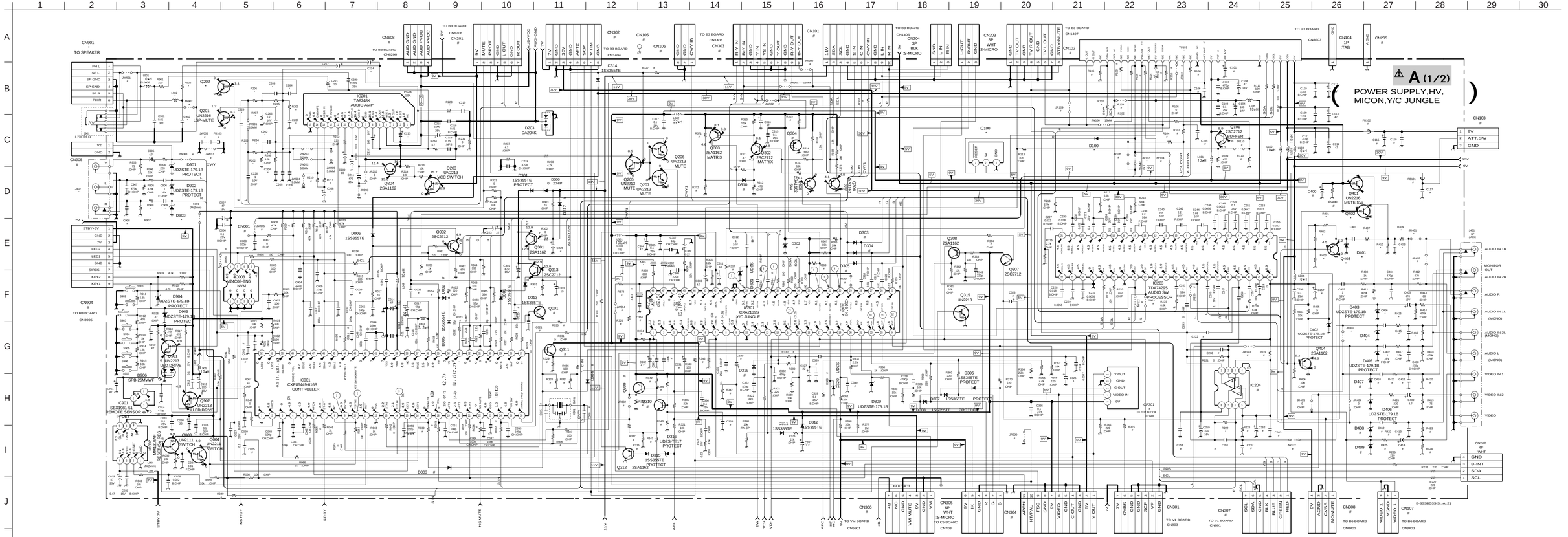
5-3. CIRCUIT BOARDS LOCATION



A BOARD IC001 CXP86449-616S



(1) Schematic Diagram of A(1/2) board


A (1/2)
POWER SUPPLY,HV,
MICON,Y/C JUNGLE
CN901
TO SPEAKER
CN608
CN201
CN302
CN105
CN106
CN303
CN101
CN204
3P
S-MICRO
CN203
3P
WHT
S-MICRO
CN102
CN104
1P
TAB
CN205
CN103
CN202
4P
WHT
CN107
CN308
CN305
6P
WHT
S-MICRO
CN306
CN304
CN301
CN307
IC100
IC201
TDA7429S
AUDIO SW
PROCESSOR
IC301
CXA2395
Y/C JUNGLE
IC001
CXP86449-616S
CONTROLLER
IC201
BR24C08-8N6
IC301
SBX1981-51
REMOTE SENSOR
IC302
M52043SP
RESET+5V REG
IC204
Q100
Q101
2SC2712
BUFFER
Q201
UN2216
SP-MUTE
Q202
Q203
UN2213
VCC SWITCH
Q204
2SA1162
Q205
UN2213
MUTE
Q206
UN2213
MUTE
Q207
UN2213
MUTE
Q301
2SA1162
Q302
2SC2712
MATRIX
Q303
2SA1162
MATRIX
Q304
Q305
2SC2712
Q307
2SC2712
Q308
2SA1162
Q309
Q310
Q311
Q312
2SA1162
Q313
2SC2712
Q315
UN2213
Q401
UN2216
MUTE 5V
Q402
Q403
Q404
2SA1162
Q501
UN2211
SWITCH
Q502
UN2211
LED DRIVE
Q503
UN2211
SWITCH
D100
D203
DA204K
D204
1SS355TE
PROTECT
D205
1SS355TE
PROTECT
D206
1SS355TE
PROTECT
D207
1SS355TE
PROTECT
D208
1SS355TE
PROTECT
D209
1SS355TE
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D300
1SS355TE
PROTECT
D301
1SS355TE
PROTECT
D302
D303
D304
D305
D306
1SS355TE
PROTECT
D307
1SS355TE
PROTECT
D308
1SS355TE
PROTECT
D309
UDZST-175.1B
D310
D311
1SS355TE
D312
1SS355TE
D313
1SS355TE
D314
1SS355TE
D315
1SS355TE
PROTECT
D316
UDZST-TE17
PROTECT
D401
D402
UDZST-179.1B
PROTECT
D403
UDZST-179.1B
PROTECT
D404
D405
UDZST-179.1B
PROTECT
D406
UDZST-179.1B
PROTECT
D407
D408
D409
D501
UDZST-179.1B
PROTECT
D502
UDZST-179.1B
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D503
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UDZST-179.1B
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UDZST-TE17
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UDZST-TE17
PROTECT
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1SS355TE
PROTECT
D539
1SS355TE
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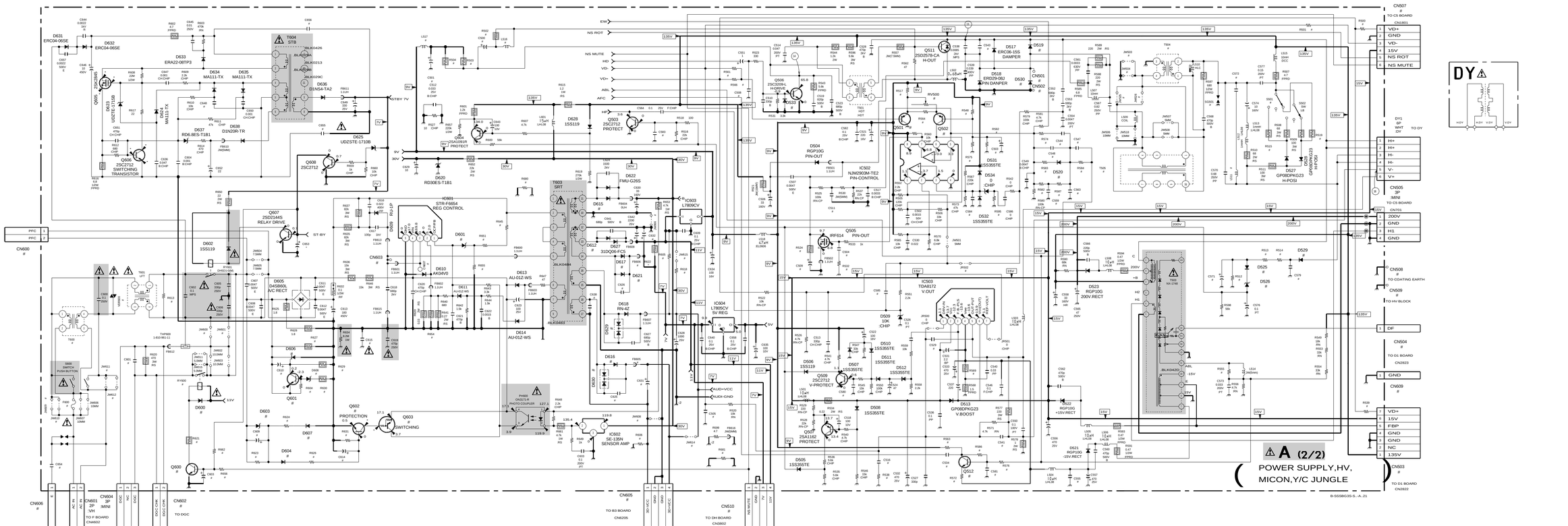
D550
1SS355TE
PROTECT

(2) Schematic Diagram of A(2/2) board


A (2/2)
POWER SUPPLY,HV,
MICON,Y/C JUNGLE
B-5S58G3S-S...A. 21
CN600
CN601 3P .MINI VH
CN602
CN603
CN604 3P .MINI
CN605
CN606
CN607
CN608
CN609
CN501
CN502
CN503
CN504
CN505 3P .MINI
CN507
CN508
CN509
CN510
TO F BOARD CN4602
TO DGC
TO B3 BOARD CN6205
TO DH BOARD CN3802
TO D1 BOARD CN2822
TO CS BOARD CN2801
TO DY
TO COATING EARTH
TO HV BLOCK
TO DI BOARD CN2823
T604 ST-B
T603 SRT
T601 LPT
T602 SMPS
T501 DY
T502 NX-LINE
T503 NX-LINE
T504 DEF
IC601 STR-F6654 REG CONTROL
IC602 SE-135N SENSOR AMP
IC603 L7809CV
IC604 L7805CV 5V REG
IC501 TDA8172 V.OUT
IC502 NJM2388A-TE2 PIN-CONTROL
IC503 TDA8172 V.OUT
Q501 2SD2578-CA H-OUT
Q502
Q503 2SC2712 PROTECT
Q504 2SA1091R PROTECT
Q505 IRF614 PIN-OUT
Q506 2SC3309-L H-DRIVE
Q507 2SC2712 V-PROTECT
Q508 2SC2712
Q509 2SC2712 V-PROTECT
Q510 2SA1162 PROTECT
Q511 2SD2578-CA H-OUT
Q512
Q513 2SC2712 SWITCHING TRANSISTOR
Q601
Q602 PROTECTION
Q603 SWITCHING
Q604
Q606 2SC2712 SWITCHING TRANSISTOR
Q607 RELAY DRIVE
Q608
Q609
Q610
Q611
Q612
D501 1SS355TE
D502 1SS355TE
D503 1SS355TE
D504 RGP10G PIN-OUT
D505 1SS355TE
D506 1SS119
D507 1SS355TE
D508 1SS355TE
D509 10K
D510 1SS355TE
D511 1SS355TE
D512 1SS355TE
D513 GP20PKG23 V.BOOST
D517 ERC06-15S DAMPER
D518 ERC09-08J PIN DAMPER
D519
D520
D521 RGP10G -15V.RECT
D522 +15V.RECT
D523 RGP10G 200V.RECT
D525
D526
D527 GP08DPKG23 H-POSI
D528 GP20PKG23 H-FOBI
D529
D530
D531 1SS355TE
D532 1SS355TE
D534
D601
D602 1SS119
D603
D604
D605 D4S80L A/C RECT
D606
D607
D608
D609
D610 AK04V0
D611 AU-01Z-WS
D612
D613 AU-01Z-WS
D614 AU-01Z-WS
D615
D616
D617
D618 RN-4Z
D619
D620 RD30ES-T1B1
D621
D622 FMU-G26S
D623 UDZSTE-1748
D625 UDZSTE-1710B
D626
D627 31DQ06-FC5
D628 1SS119
D629
D630
D631 ERC04-06SE
D632 ERC04-06SE
D633 ERA22-08TP3
D634 MA111-TX
D635 MA111-TX
D636 DUN5-TA2
D637 RD6.8ES-T1B1
D638 D1N20R-TR
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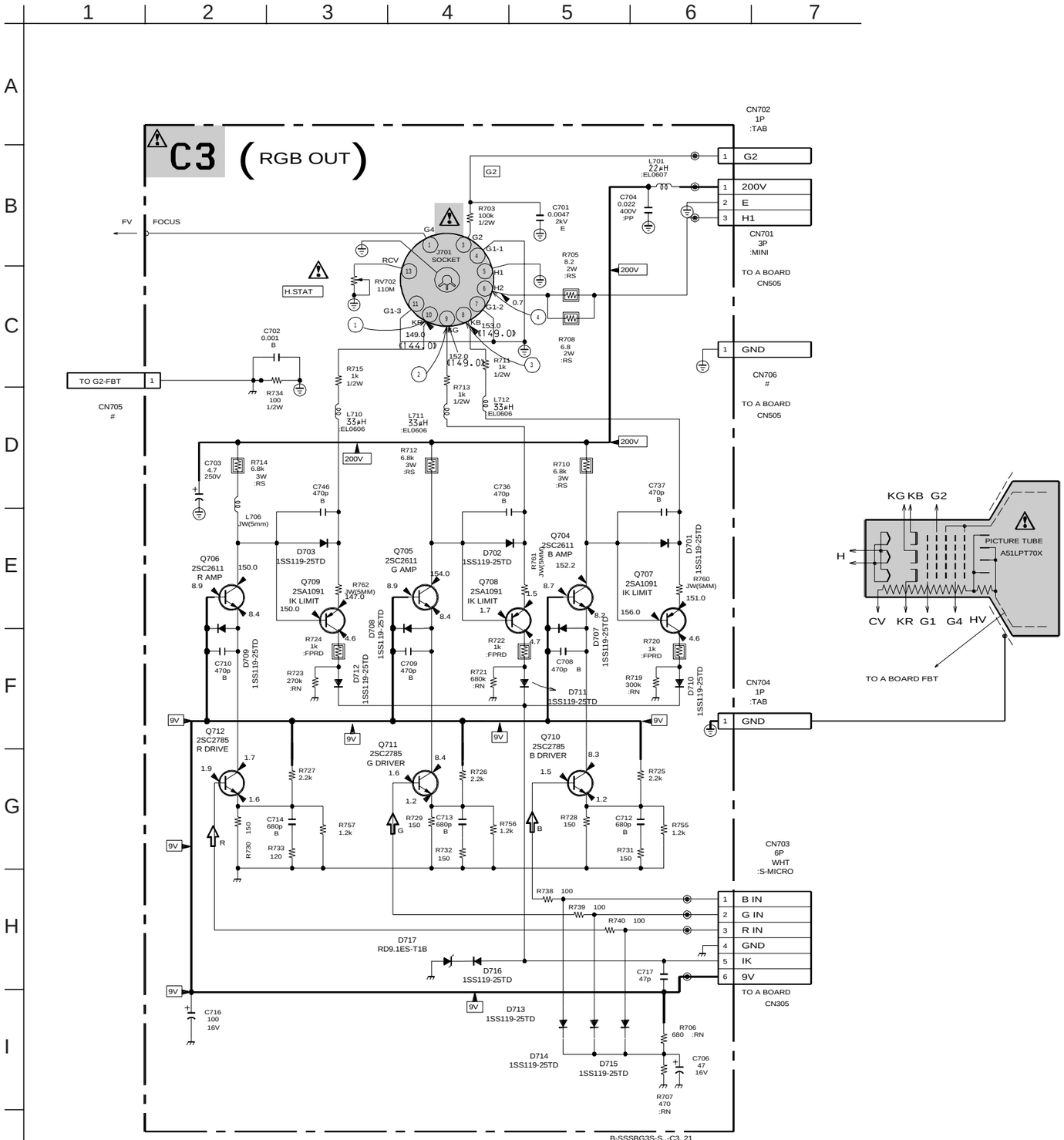
(3) Schematic Diagram of C3 board



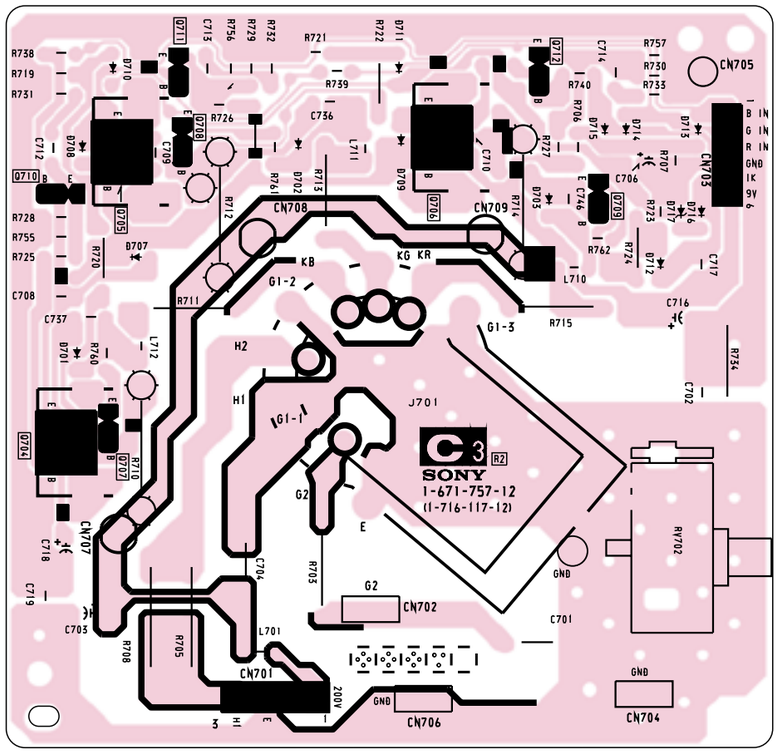
C3 BOARD WAVEFORMS

① 25Vp-p (H)	② PAL 89Vp-p (H)	② SECAM 90Vp-p (H)
② NTSC 3.58 80Vp-p (H)	② NTSC 4.43 93Vp-p (H)	③ PAL/SECAM : 95Vp-p (H) NTSC : 86Vp-p (H)
④ 75Vp-p (H)		

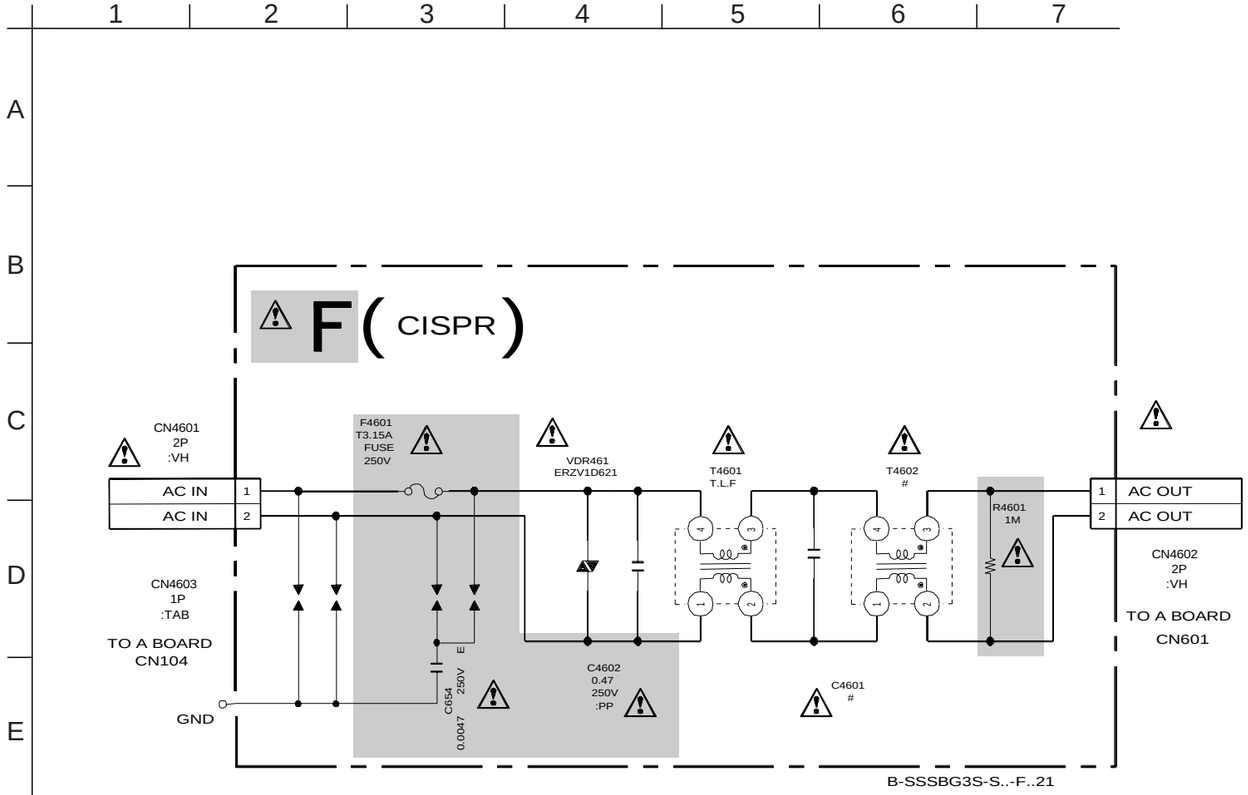
C3 [RGB OUT]

PRINTED WIRING BOARD

– C3 Board –



(4) Schematic Diagram of F board



PRINTED WIRING BOARD F [CISPR]

– F Board –