Wireless Audio Station waS700

all versions

Service
Service
Service

Service Manual

Plays Windows Media™ | MP3-CD PLAYBACK MP3 | connectedplanet

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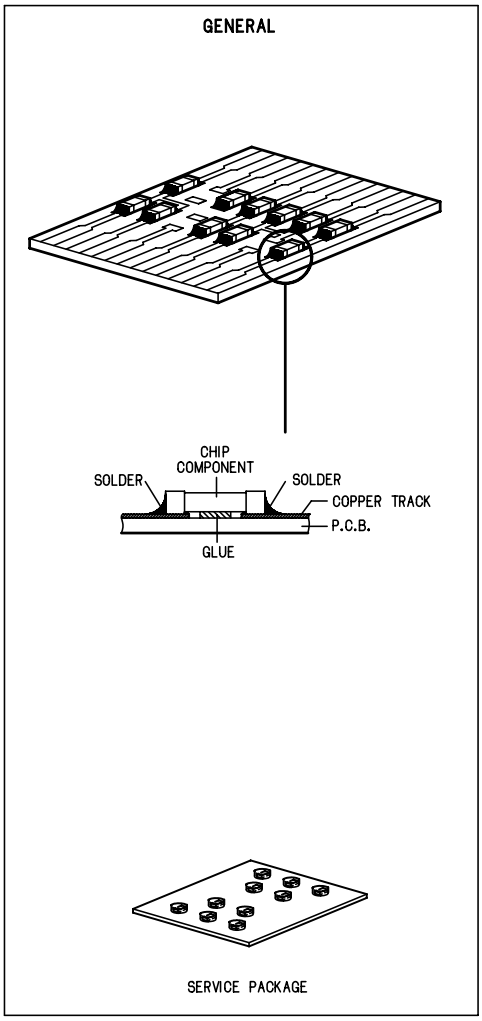
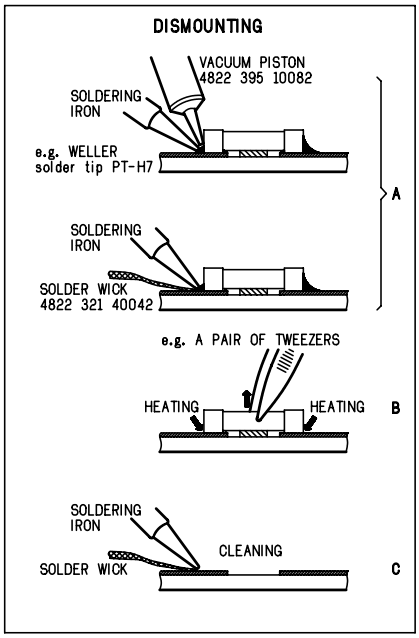
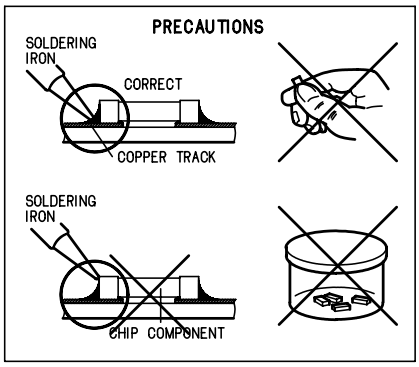
Version 1.1

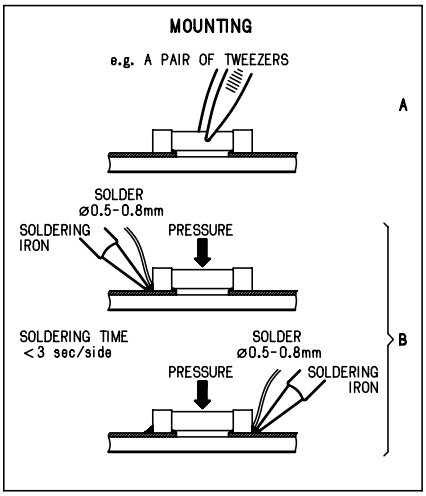
PHILIPS

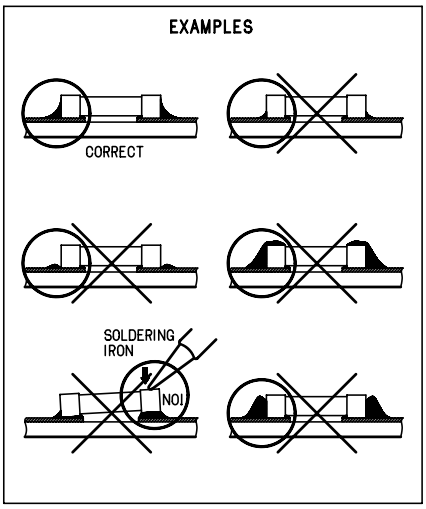
HANDLING CHIP COMPONENTS











SERVICE TOOLS

TORX T10 screwdriver with shaftlength 150mm.....4822 395 50423
TORX screwdriver set SBC 163.....4822 295 50145

Audio signal disc SBC 429.....4822 397 30184
Playability test disc SBC 444.....4822 397 30245
Test disc 5 (disc without errors) +
Test disc 5A (disc with dropout errors, black spots and fingerprints)
SBC 426/426A.....4822 397 30096
Burn in test disc (65 min. 1kHz signal at -30 dB level without “pause”).....4822 397 30155

Universal test cassette Fe SBC 420.....4822 397 30071

AVAILABLE ESD PROTECTION EQUIPMENT

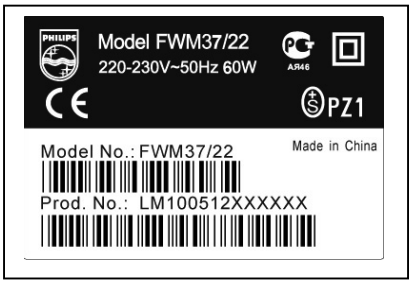
anti-static table mat	large 1200x650x1.25mm	4822 466 10953
	small 600x650x1.25mm	4822 466 10958
anti-static wristband		4822 395 10223
connection box (3 press stud connections, 1MΩ)		4822 320 11307
extendible cable (2m, 2MΩ, to connect wristband to connection box)		4822 320 11305
connecting cable (3m, 2MΩ, to connect table mat to connection box)		4822 320 11306
earth cable (1MΩ, to connect any product to mat or to connection box)		4822 320 11308
KIT ESD3 (combining all 6 prior products - small table mat)		4822 310 10671
wristband tester		4822 344 13999

INFORMATION ABOUT LEAD-FREE SOLDERING

Philips CE is producing lead-free sets from 1.1.2005 onwards.
IDENTIFICATION:

Regardless of special logo (not always indicated) one must treat all sets from 1 Jan 2005 onwards, according next rules:

Example S/N:



Bottom line of typeplate gives a 14-digit S/N. Digit 5&6 is the year, digit 7&8 is the week number, so in this case 2005 wk12

So from 0501 onwards = from 1 Jan 2005 onwards

***Important note*: In fact also products of year 2004 must be treated in this way as long as you avoid mixing solder-alloys (leaded/ lead-free). So best to always use SAC305 and the higher temperatures belong to this.**

Due to lead-free technology some rules have to be respected by the workshop during a repair:

- Use only lead-free solder alloy Philips SAC305 with order code 0622 149 00106. If lead-free solder-paste is required, please contact the manufacturer of your solder-equipment. In general use of solder-paste within workshops should be avoided because paste is not easy to store and to handle.

- Use only adequate solder tools applicable for lead-free solder alloy. The solder tool must be able
  - To reach at least a solder-temperature of 400°C,
  - To stabilize the adjusted temperature at the solder-tip
  - To exchange solder-tips for different applications.
- Adjust your solder tool so that a temperature around 360°C – 380°C is reached and stabilized at the solder joint. Heating-time of the solder-joint should not exceed ~ 4 sec. Avoid temperatures above 400°C otherwise wear-out of tips will rise drastically and flux-fluid will be destroyed. To avoid wear-out of tips switch off un-used equipment, or reduce heat.
- Mix of lead-free solder alloy / parts with leaded solder alloy / parts is possible but PHILIPS recommends strongly to avoid mixed solder alloy types (leaded and lead-free).
  If one cannot avoid or does not know whether product is lead-free, clean carefully the solder-joint from old solder alloy and re-solder with new solder alloy (SAC305).
- Use only original spare-parts listed in the Service-Manuals. Not listed standard-material (commodities) has to be purchased at external companies.
- Special information for BGA-ICs:
  - always use the 12nc-recognizable soldering temperature profile of the specific BGA (for de-soldering always use the lead-free temperature profile, in case of doubt)
  - lead free BGA-ICs will be delivered in so-called 'dry-packaging' (sealed pack including a silica gel pack) to protect the IC against moisture. After opening, dependent of MSL-level seen on indicator-label in the bag, the BGA-IC possibly still has to be baked dry. (MSL=Moisture Sensitivity Level). This will be communicated via AYS-website.
  Do not re-use BGAs at all.

- For sets produced before 1.1.2005 (except products of 2004), containing leaded solder-alloy and components, all needed spare-parts will be available till the end of the service-period. For repair of such sets nothing changes.

- On our website **www.atyourservice.ce.Philips.com** you find more information to:

  - BGA-de-/soldering (+ baking instructions)
  - Heating-profiles of BGAs and other ICs used in Philips-sets

  You will find this and more technical information within the "magazine", chapter "workshop news".

For additional questions please contact your local repair-helpdesk.

SERVICE INSTRUCTION

Safety regulations require that after a repair, the set must be returned in its original condition. Pay in particular attention to the following points:

- Route the wire trees correctly and fix them with the mounted cable clamps.
- Check the insulation of the AC Power lead for external damage.
- Check the strain relief of the AC Power cord for proper function.
- Check the electrical DC resistance between the AC Power Plug and the secondary side (only for sets which have a AC Power isolated power supply):

1. Unplug the AC Power cord and connect a wire between the two pins of the AC Power plug.
2. Set the AC Power switch to the "on" position (keep the AC Power cord unplugged!).
3. Measure the resistance value between the pins of the AC Power plug and the metal shielding of the tuner or the aerial connection on the set. The reading should be larger than 4.5 Mohm (For U.S. it should be between 4.2 Mohm and 12 Mohm).
4. Switch "off" the set, and remove the wire between the two pins of the AC Power plug.

- Check the cabinet for defects, to avoid touching of any inner parts by the customer.

TECHNICAL SPECIFICATIONS

GENERAL

Mains voltage	-/22	:	230 V
	-/05	:	240 V
	-/37	:	120 V
Mains frequency	-/22/05	:	50 Hz
	-/37	:	60 Hz
Battery	Centre remote	:	6V (R03 x 4)
	Station remote	:	CR2025 x 1
Power consumption			
Active	WAC700	:	< 35 W
	WAS700	:	< 25 W
Standby	WAC700	:	< 18 W
	WAS700	:	< 14 W
Eco-standby	WAC700	:	< 1 W
	WAS700	:	< 1 W
Dimension (W x H x D)			
	WAC700	:	608 x 303 x 175 mm
	WAS700	:	360 x 283 x 128 mm
Weight	WAC700	:	7.7 Kg
	WAC700	:	4.2 Kg

AMPLIFIER

Output power (RMS)			
	WAC700	:	2 x 15 W + 2 x 25W
	WAS700	:	2 x 5 W + 1 x 10 W
Speaker impedance			
	WAS700	:	16 Ω (Panel)
		:	8 Ω (subwoofer)
	WAC700	:	6 Ω (Panel)
		:	12 Ω (subwoofer)
Frequency response		:	50 Hz - 16 kHz (±3dB)
S/N Ratio		:	> 72 dBA (IEC)
Aux input sensitivity		:	500mV
Headphone Impedance		:	21Ω – 150 Ω

WIRELESS

Wireless standard (backward compatible to 802.11b)	:	802.11g
Wireless security	:	WEP 64 or 128bit WPA=PSK
Frequency range	:	2412-2462 MHz (CH1-CH11)

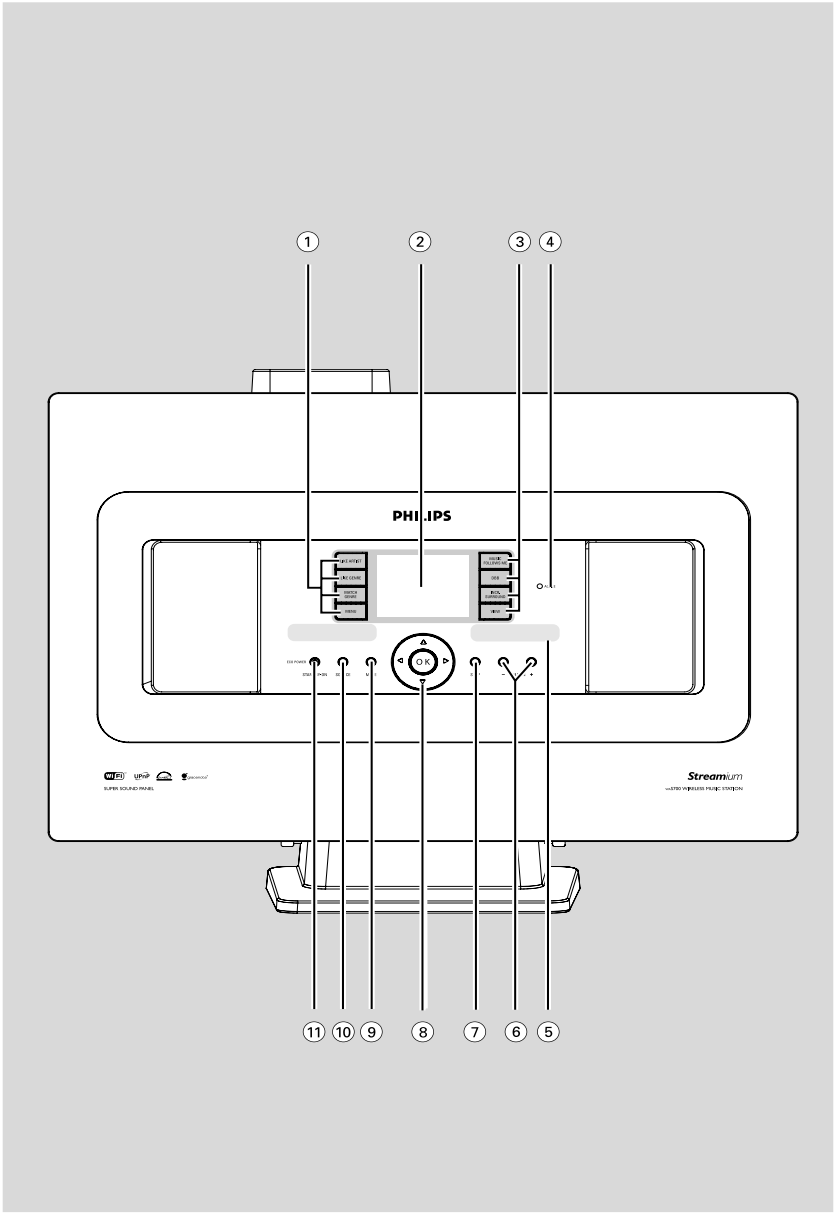
TUNER - FM SECTION

Tuning range	:	87.5 - 108 MHz
IF frequency	:	10.7 MHz ± 0.2 MHz
Number of presets	:	40
FM Antenna/cable	:	COAX / T-antenna

HDD/CD player (wac700 only)

Frequency Range	:	30-18000 Hz, -3 dB
S/N ratio	:	≥ 72 dBA (IEC)
MPEG 1 Layer 3 (MP3-CD)	:	MPEG AUDIO
MP3-CD bit rate	:	32-256 kbps, VBR, 128 kbps advised
WMA bit rate	:	up to 160kbps
Sampling frequencies	:	32, 44.1, 48 kHz
HDD Storage capacity	:	40GB*
Recording quality	:	128kbps or 160kbps
Recording speed	:	1x, 4x

* Actual free space is 35GB or less, due to the buffer partition for MP3 compression, firmware, music CD database and demo tracks stored.



Controls *(illustrations on page 3)*

Controls on the Center *(Top and front panels)*

① **STANDBY-ON/ ECO POWER**
– press briefly to switch Center on or to standby mode ;
– press and hold to switch Center to Eco Power mode or on

② **CD slot loader**

③ **EJECT**
– ejects a disc from the slot loader

④ **ACTIVE**
– HD: lights up green during CD ripping /MP3 conversion

⑤ 🎧
– 3.5 mm headphone socket
Helpful hints:
– Adjust the volume to a moderate level before you plug in the headphones.
– Connecting headphones will switch off the speakers.

⑥ **IR**
– sensor for the infrared remote control
Helpful hints: *Always point the remote control towards this sensor.*

⑦ **MUSIC FOLLOWS ME**
– HD: moves music playback from Center to Station, or from Station to Center

MUSIC BROADCAST
– HD: broadcast music from Center to Station

DBB (**D**ynamic **B**ass **B**oost)
– turns the bass enhancement on (**DBB1, DBB2, DBB3**) or off.

VIEW
– toggles playback display and previous option list

⑧ **Display**
– shows status of Center

⑨ **SAME ARTIST**
– HD: plays all the tracks of current Artist

SAME GENRE
– HD: plays all the tracks of current Genre

SMART EQUALIZER
– HD: selects match sound setting for current Genre

MENU
– enters or exits setup menu.

⑩ **SOURCE**
– selects sound source **HD**, **CD**, **Radio** or **AUX**
– In standby mode: switches Center on and selects sound source **HD**, **CD**, **Radio** or **AUX**

⑪ **RECORD**
– CD/Radio/AUX:

Controls *(illustrations on page 4)*

Controls on the Station *(front panel)*

① **SAME ARTIST**
– HD: plays all the tracks of current artist

SAME GENRE
– HD: plays all the tracks of current genre

SMART EQUALIZER
– HD: selects match sound setting for current genre

MENU
– enters or exits setup menu

② **Display**
– shows status of Station

③ **MUSIC FOLLOWS ME**
– HD: moves music playback from Station to Center, or from Center to Station

DBB (Dynamic **B**ass **B**oost**)**
– turns the bass enhancement on (**DBB1, DBB2, DBB3**) or off

INCR. SURROUND
– selects surround sound effect

VIEW
– toggles playback display and previous option list

④ **ACTIVE**
– HD: lights up green when streaming is activated between Center and Station

⑤ **IR**
– sensor for the infrared remote control
Helpful hints: *Always point the remote control towards this sensor.*

⑥ **VOLUME -, +**
– adjusts the volume level

⑦ **STOP**
– stops playback
– In standby mode: activates/ deactivates the demostration mode *(press and hold the button for 5 seconds)*

⑧ **◄ / ► / ▲ / ▼**
– navigation controls (left, right, up, down) to scroll through the option list

◄
– HD: returns to previous option lists
– Radio: enters the list of preset stations

▲ / ▼
– HD: skips/searches tracks/passage backward/ forward (in playback screen); fast scrolls the option list
– Radio: tunes to radio stations

► / OK
– confirms selection

OK
– HD: starts or pauses playback

⑨ **MUTE**
– switches the sound off temporarily

⑩ **SOURCE**
– selects sound source **HD**, **Radio** or **AUX**
– In standby mode: switches Station on and selects sound source **HD**, **Radio** or **AUX**

⑪ **STANDBY-ON/ ECO POWER**
– press briefly to switch Station on or to standby mode;
– press and hold to switch Station to Eco Power mode or on

Controls

⑯ **MUSIC BROADCAST**
– HD: broadcasts music from Center to Station

⑰ **MUTE**
– switches the sound off temporarily

⑱ **REC**
– CD/Radio/AUX: starts the recording to hard disk

⑲ **SMART EQ**
– HD: selects match sound setting for current genre

⑳ **DIM**
– changes the brightness of display illumination

㉑ **SLEEP**
– ajusts/displays/switches off sleep timer

㉒ **INCR. SURROUND**
– selects surround sound effect

㉓ **PROGRAM**
– manually programs preset radio stations

㉔ **■**
– stops playback or recording
– In standby mode: activates/ deactivates the demostration mode *(press and hold the button for 5 seconds)*

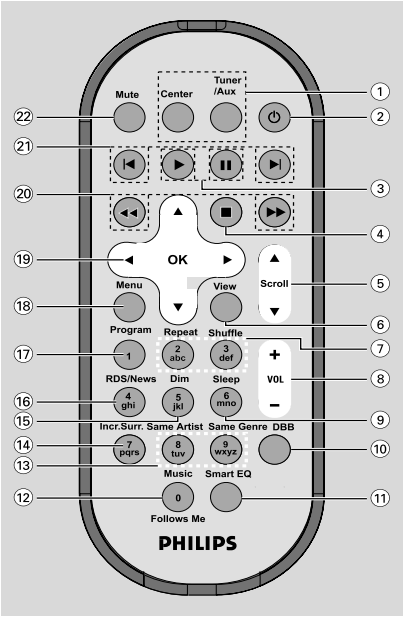
VIEW
– toggles playback screen and previous option list

㉖ **MENU**
– enters or exits setup menu

㉗ **▲ / ▼ SCROLL**
– scroll the display screen upward or downward

㉘ **REFRESH**
– sychronize remote control's display with the set's display

Station's remote control



① **Source buttons**

Center
– selects **HD** source (located on Center)
– In standby mode: switches the set on and selects **HD** source (located on Center)

Tuner/Aux
– selects **Radio** source or the audio input from an additional connected appliance
– In standby mode: switches the set on and selects **Radio** source or the audio input from an additional connected appliance

② ⏻
– press briefly to switch the set to standby mode
– press and hold to switch the set to Eco Power mode or on

③ **►**
– HD/CD: starts playback

II
– HD/CD: pauses playback

Controls

④ ■
– stops playback or recording
– **In standby mode:** activates/ deactivates the demostration mode (press and hold the button for 5 seconds)

⑤ **▲ / ▼ Scroll**
– scroll the display screen upward or downward

⑥ **View**
– toggles playback display and previous option list

⑦ **Repeat**
– selects random playback

Shuffle
– selects continuous playback

⑧ **VOL +, -**
– adjusts the volume level

⑨ **Sleep**
– ajusts/displays/switches off sleep timer

⑩ **DBB**(**D**ynamic **B**ass **B**oost)
– turns the bass enhancement on (**DBB1, DBB2**, **DBB3**) or off

⑪ **Smart EQ**
– **HD:** selects match sound setting for current genre

⑫ **Music Follows Me**
– **HD:** moves music playback between Center and Station

⑬ **Same Artist**
– **HD:** plays all the tracks of current Artist

Same Genre
– **HD:** plays all the tracks of current Genre

⑭ **Incr. Surr.**
– selects surround sound effect

⑮ **Dim**
– changes the brightness of display illumination

⑯ **RDS/News**
– **Radio:** selects RDS information
– **HD/CD/AUX:** turns NEWS function on or off

⑰ **Program**
– manually programs preset radio stations

⑱ **Menu**
– enters or exits setup menu

⑲ **◄ / ► / ▲ / ▼**
– navigation controls (left, right, up, down) to scroll through the option list

◄
– **HD/CD:** returns to previous option lists
– **Radio:** enters the list of preset stations

▲ / ▼
– **HD/CD:** skips/searches tracks/passage backward/ forward (in playback screen); fast scrolls the option list
– **Radio:** tunes to radio stations

► / OK
– confirms selection

⑳ **◄◄ / ►►**
– **HD/CD:** searches track passage backward/ forward (in playback screen)

㉑ **|◄◄, ►►|**
– **HD/CD:** skips tracks backward/forward (in playback screen)

㉒ **MUTE**
– switches the sound off temporarily

For more information onoperation instruction please visit Philips Audio internet site :

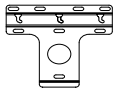
http://www.audio.philips.com

How to mount your Center and Station onto walls

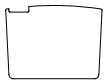
IMPORTANT!
– The wall mounting instructions are for the use of the qualified wall mounting person only!
– Ask a qualified person to help you with the wall mounting, which includes drilling holes on the wall, fixing the mounting brackets to the wall, and mounting the sets onto the brackets.

What's in the supplied mounting kits

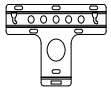
For Center:


1 x mounting bracket


3 x screws (for Center mounting)


1 x protective card sheet

For Station:


1 x mounting bracket


2 x screws (for Station mounting)

What else you'll need

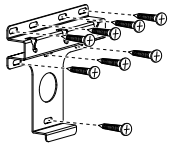
– 8 x screws for fixing the Center's bracket
– 6 x screws for fixing the Station's bracket
– Drilling tools (e.g. electric drill)

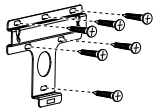
Preparation

- To find a suitable location for mounting, try your necessary rear connections and the Wi-Fi connection between Center and Station (see the chapter **Installation**).
- Ask a qualified person to help you with the wall mounting, who should:
  – to avoid unexpected damage, learn about the piping, wiring and other relevant information inside your walls;
  – according to your walls' materials, decide what type of screws you need to fix the mounting brackets and hold the weight of a Center or Station;
  – according to the drilling requirements, choose suitable drilling tools;
  – take other precautions necessary for the wall mounting work.

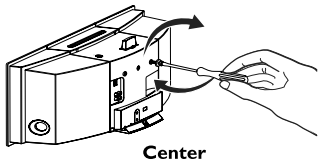
Mounting your Center or Station

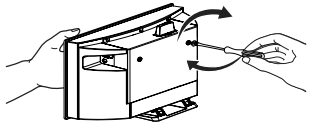
1. Align the bracket (for Center or Station) in the chosen location on a wall. Use a pencil to mark the drilling positions.


Center


Station

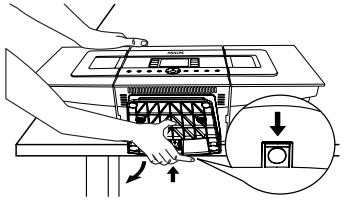
2. Drill holes as marked.
3. Fix the brackets to the wall using suitable screws (not supplied).
4. As shown, fasten the supplied screws to your Center or Station using a screwdriver

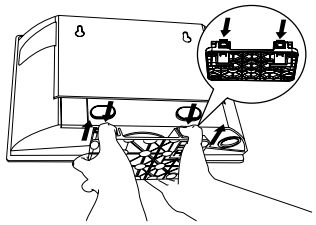

Center


Station

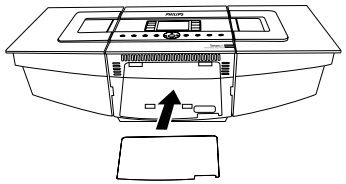
Appendix

5. To detach the stand from Center or Station,
   a. As shown, hold down the **Lock•unlock** button(s).
   b. Move out the stand to detach.

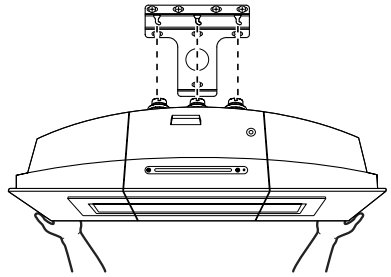

Center

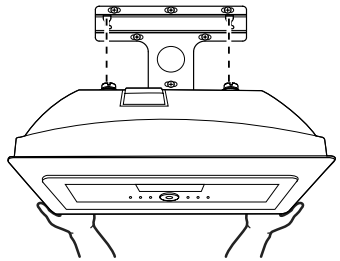

Station

6. On Center, insert the supplied protective card sheet where the stand was installed.



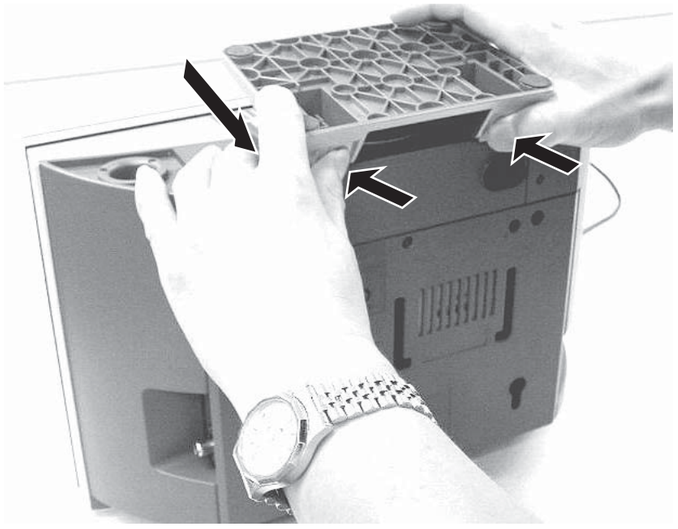
7. As shown, hook and mount Center or Station in place.


Center


Station

DISASSEMBLY INSTRUCTION

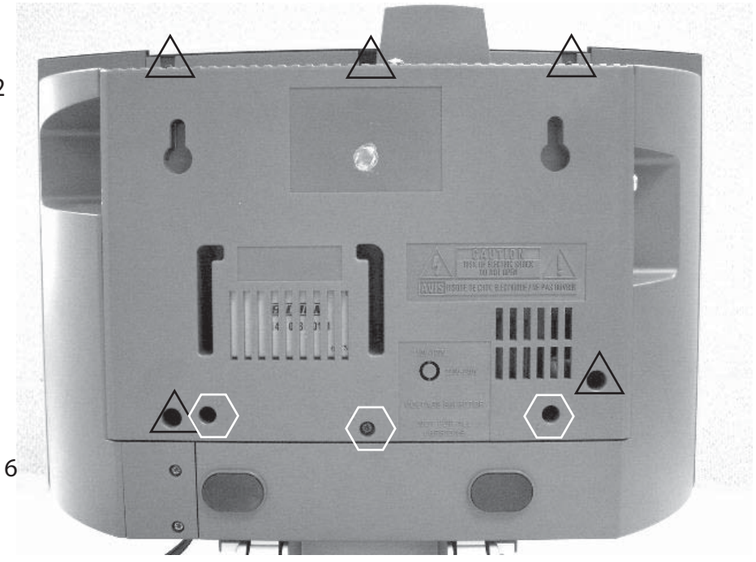
1. Remove STAND.



2. Remove Cabinet Back Assy.
   Screw T3x12 - 3 pcs.
   Screw T3x16 - 5 pcs.

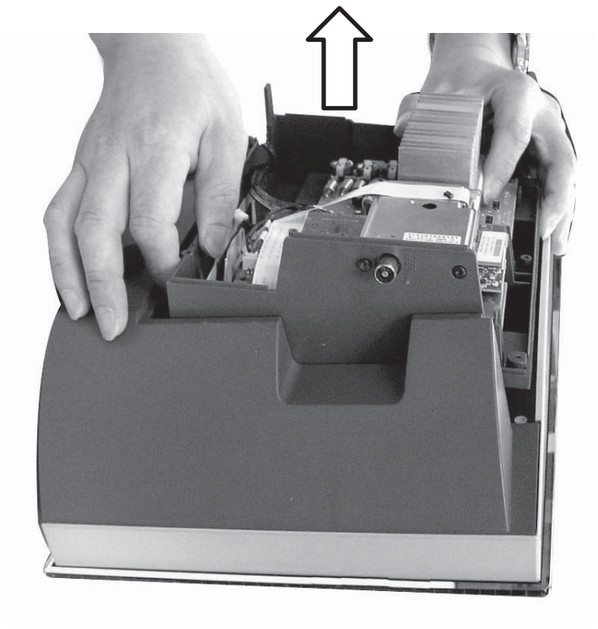
△ T3X12

⬡ T3X16

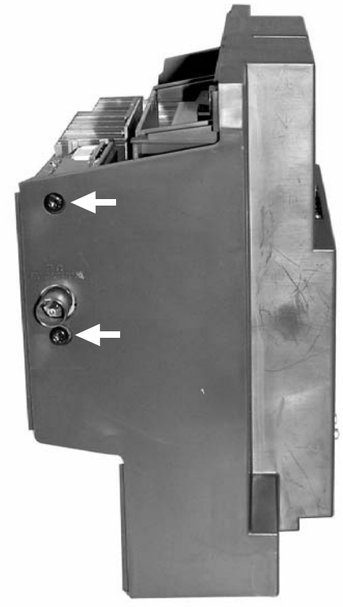


5 - 1

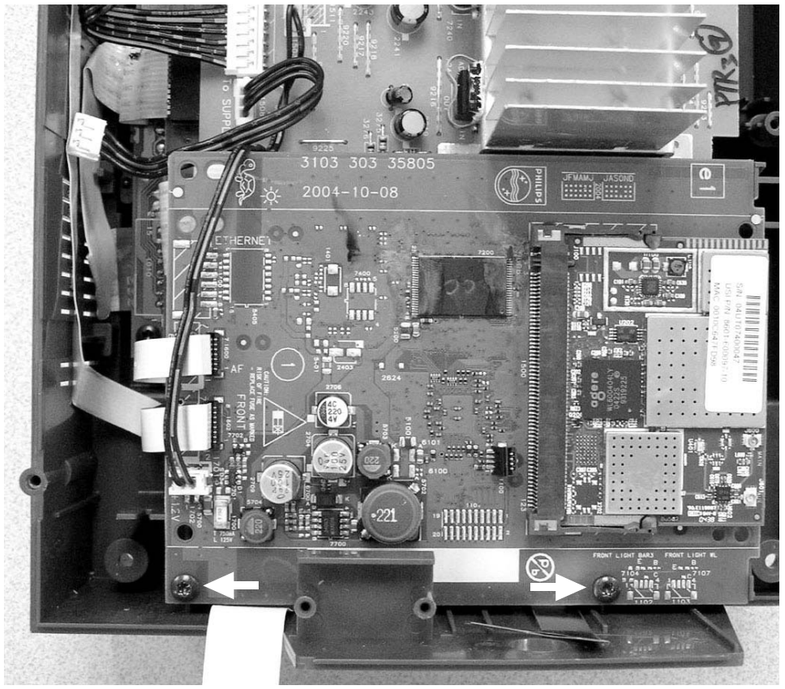
3. Remove F-CAB CENTER PRE-ASSY.



4. Remove Tuner Module from Centre Cabinet
   Screw M3x6 - 2 pcs.

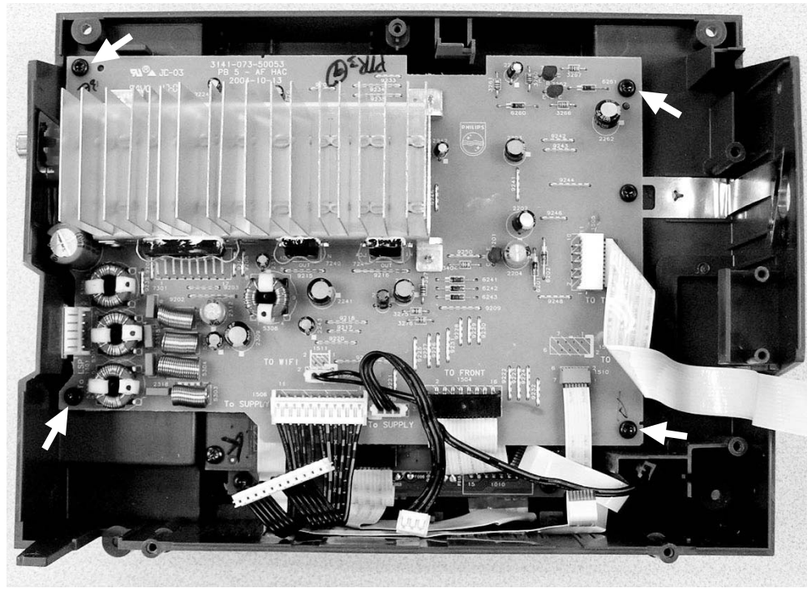


5. Remove WESSLI-3A Module from Centre Cabinet
   Screw T3x10 - 2 pcs.

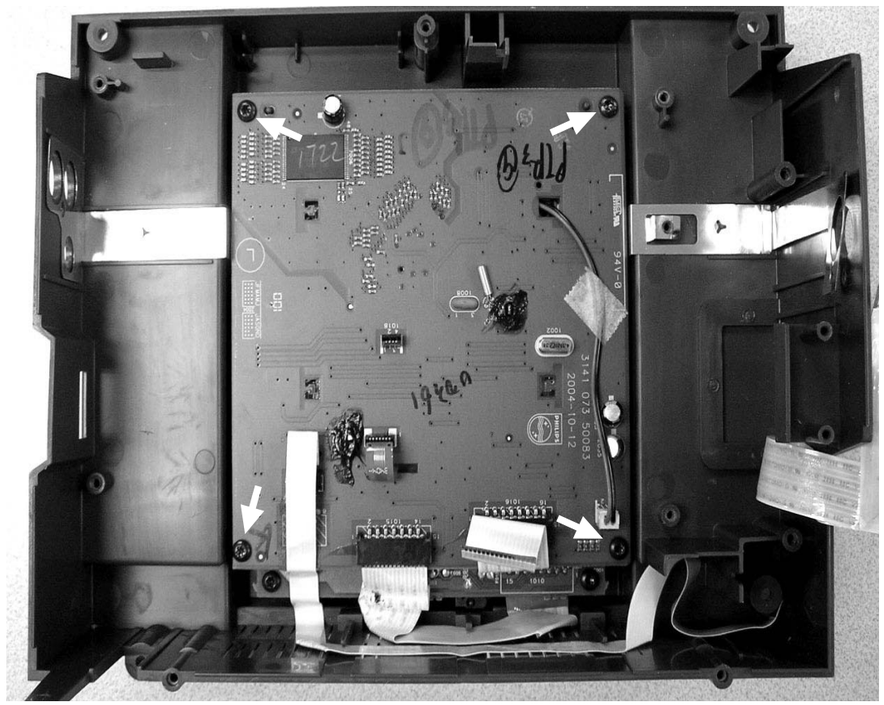


DISASSEMBLY INSTRUCTION

6. Remove PBAS 5 - AF from Centre Cabinet
   Screw T3x8 - 4 pcs.
   Screw T3x8 - 1 pc.(side)

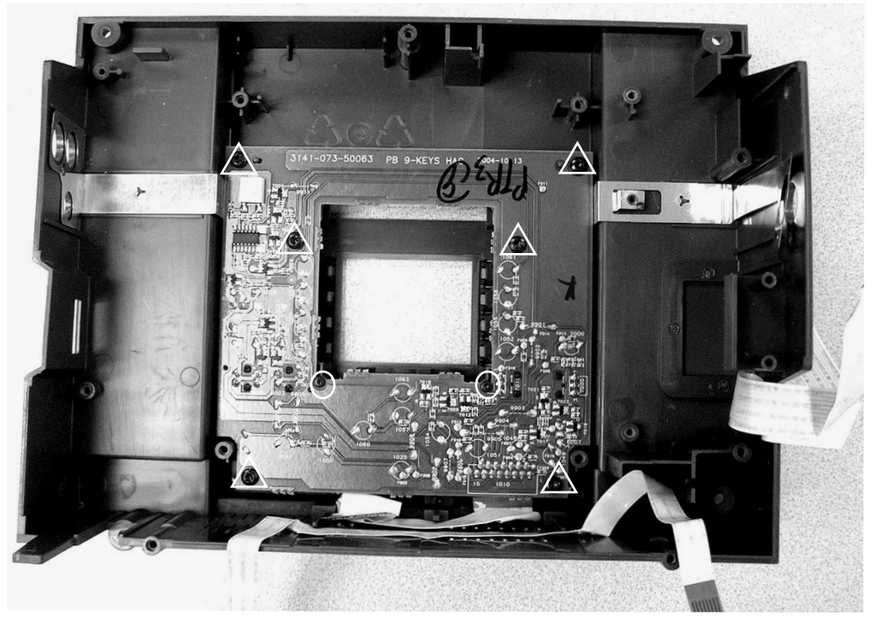


7. Remove PBAS 4 - FRONT from Centre Cabinet
   Screw T3x10 - 4 pcs.



5 - 2

6. Remove Key Board from Centre Cabinet
   Screw T3x10 - 6 pcs.
   Screw T2x10 - 2 pcs.

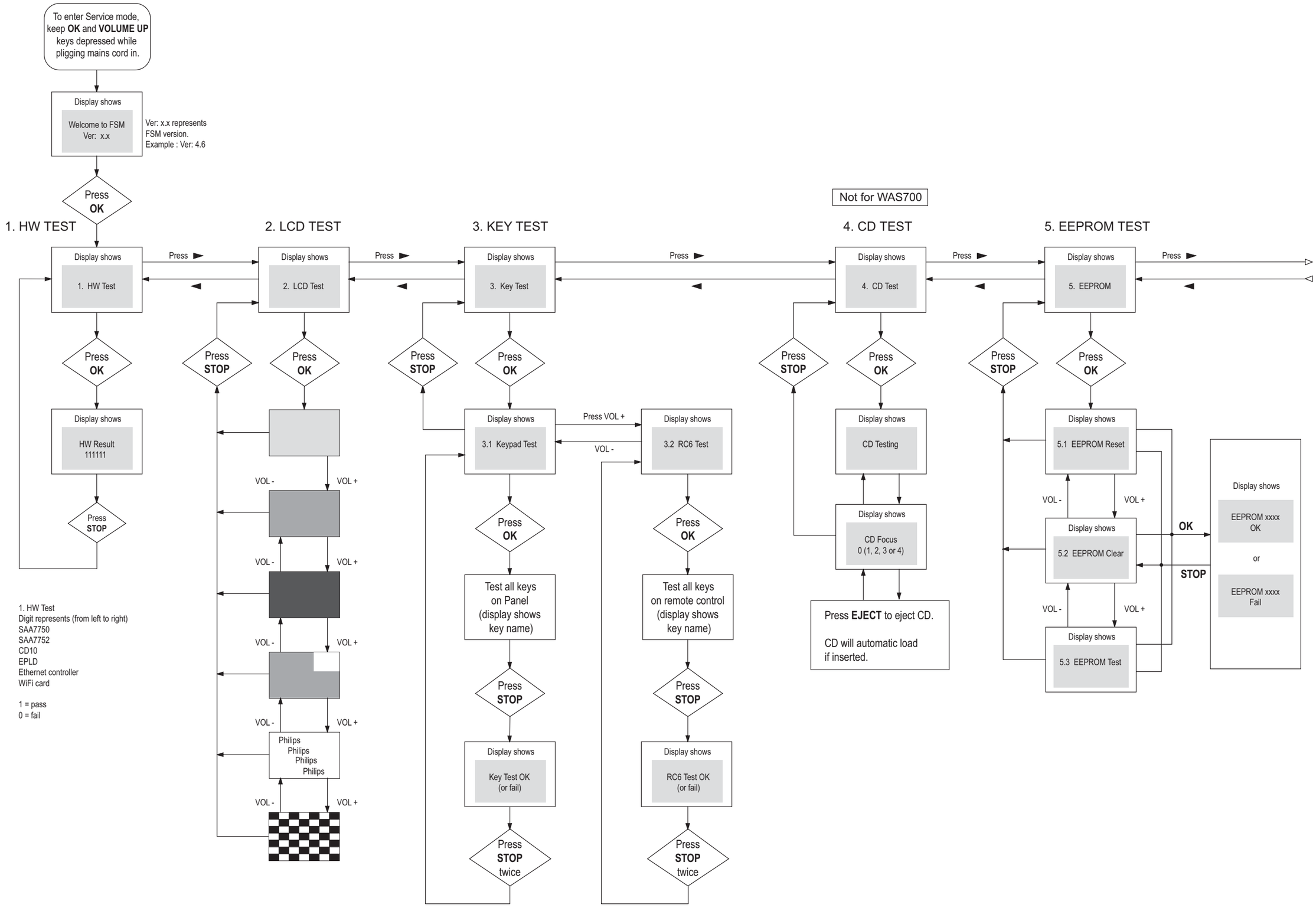


△ T3x10 6pcs

◯ T2x10 2pcs

6 - 1

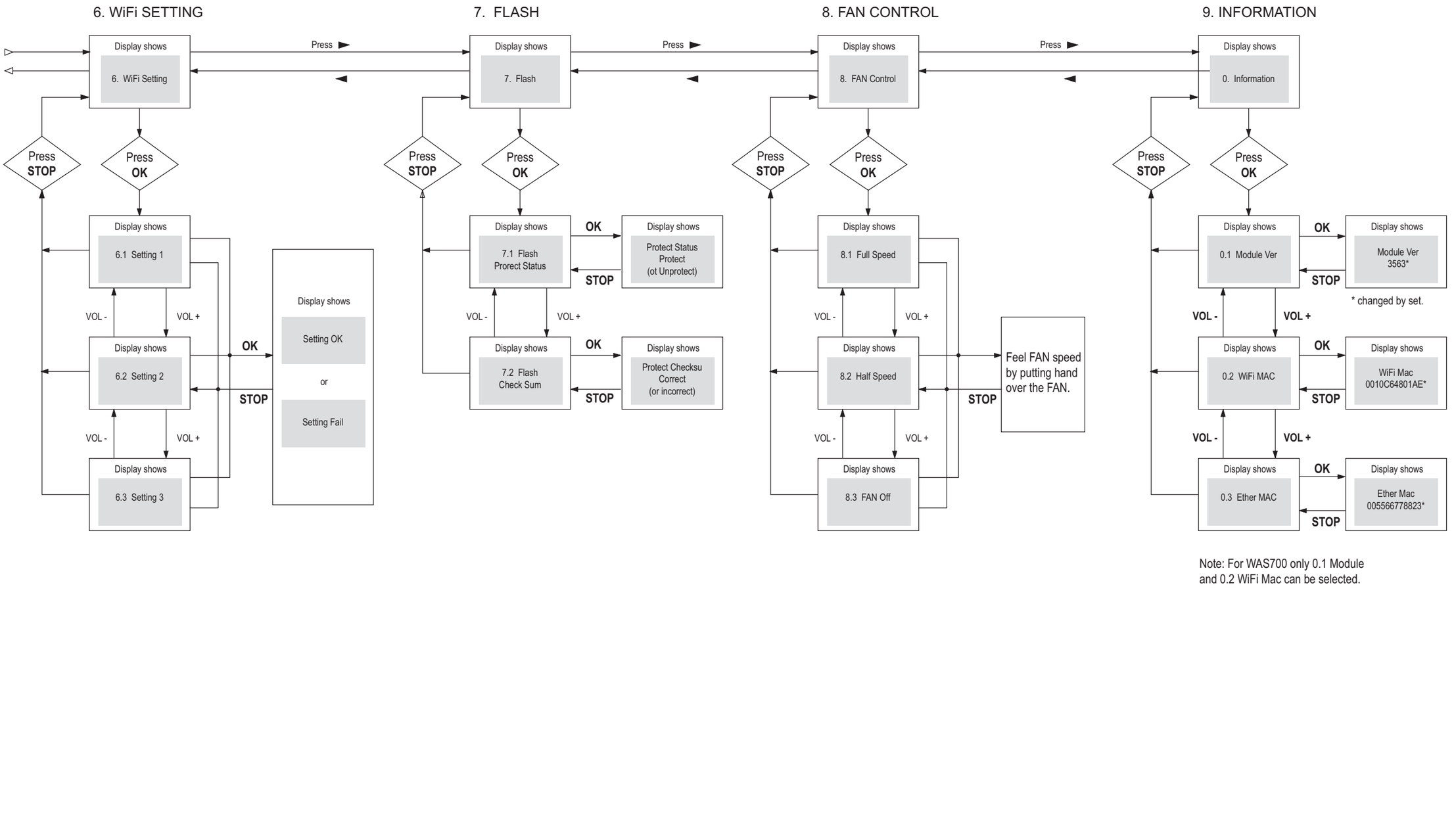
SERVICE TEST PROGRAM



6 - 2

SERVICE TEST PROGRAM

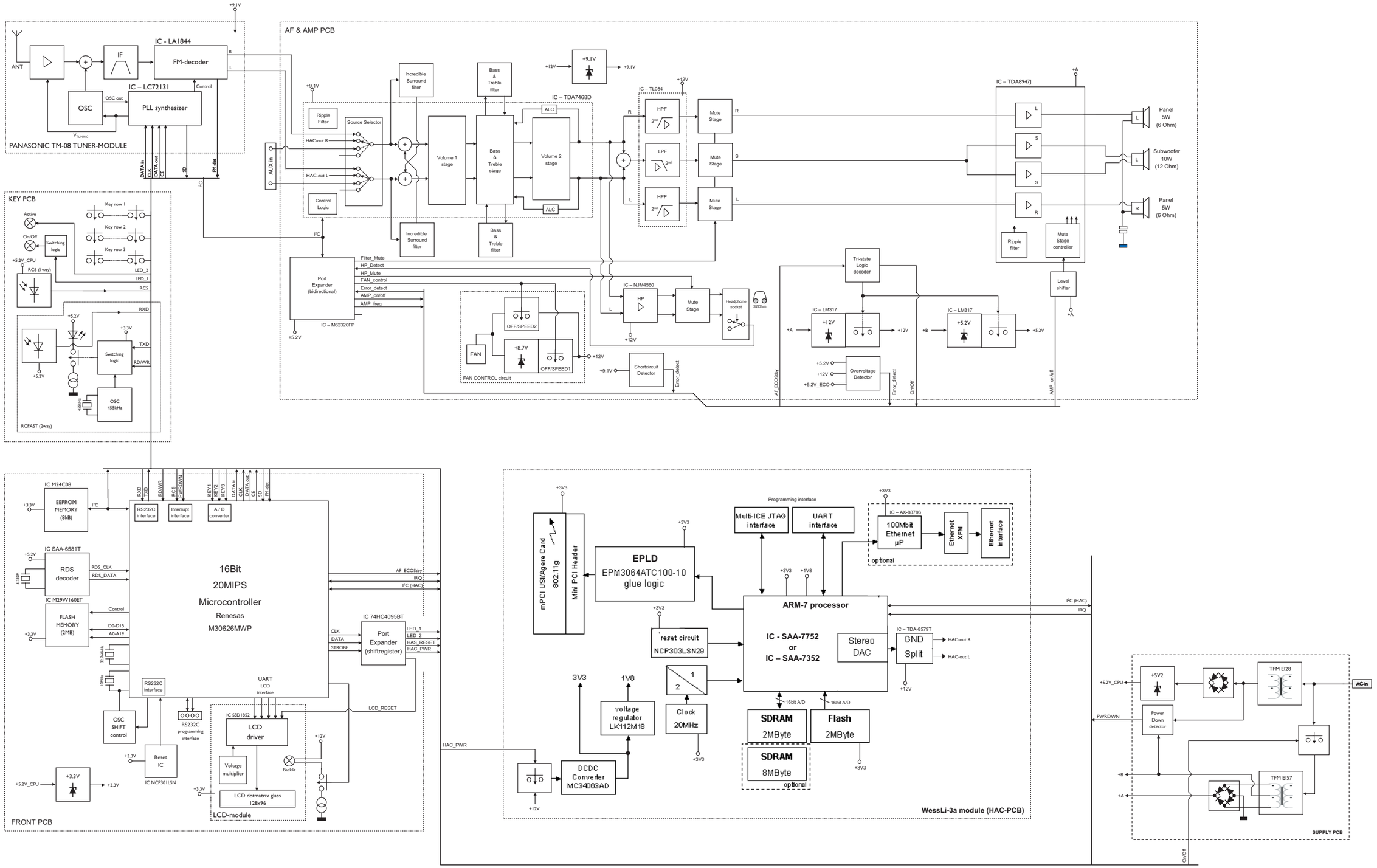
To exit Service Test Mode, power the set.



Note: For WAS700 only 0.1 Module and 0.2 WiFi Mac can be selected.

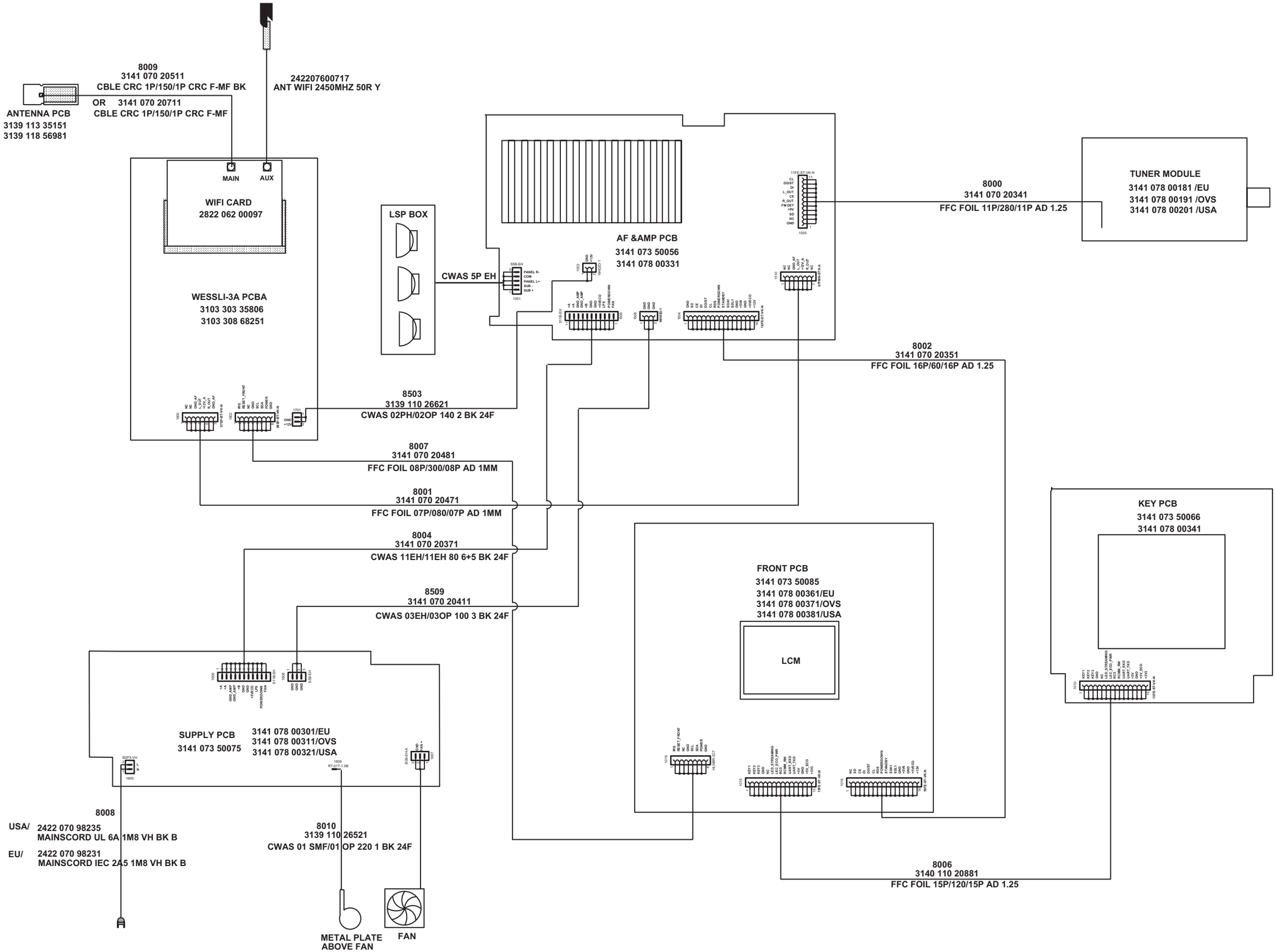
7 - 1

SET BLOCK DIAGRAM



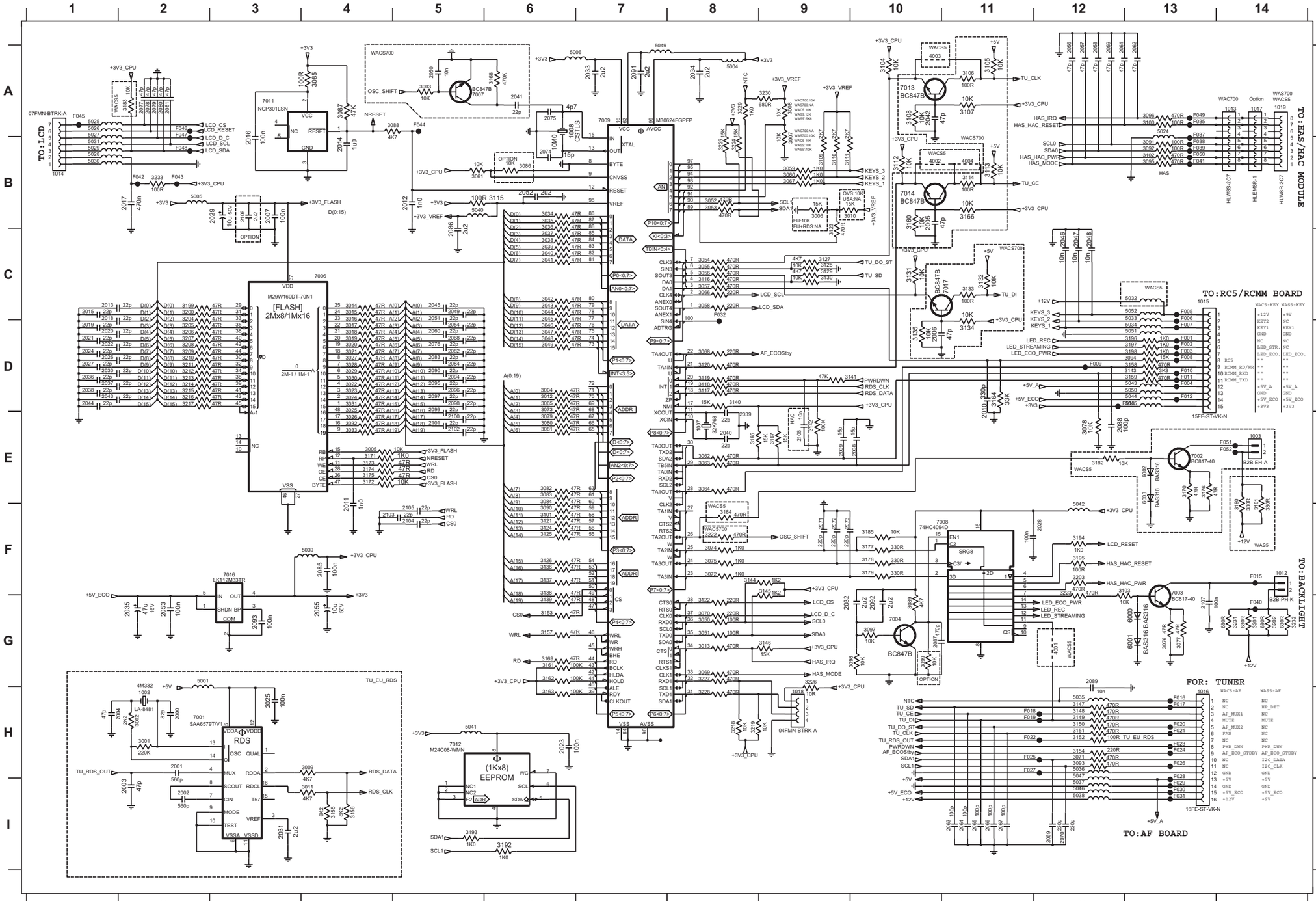
7 - 2

SET WIRING DIAGRAM



8 - 1

FRONT BOARD - Circuit Diagram



1002 H2	3021 D4	3162 G6	F026 H13	
1003 E14	3022 D4	3163 H6	F027 H11	
1007 E8	3023 D4	3164 D11	F028 H13	
1008 A6	3024 D4	3165 E8	F029 I13	
1012 F14	3025 E4	3166 B11	F030 I13	
1013 A14	3026 E4	3167 E9	F031 I13	
1014 B1	3027 D4	3168 A6	F032 C8	
1015 C13	3028 D4	3169 G6	F035 A13	
1016 H13	3029 D4	3170 E13	F037 A13	
1017 A14	3030 D4	3171 E4	F038 B13	
1018 H9	3031 D4	3172 E4	F039 B13	
1019 A14	3032 E4	3173 E4	F040 G14	
2000 H2	3033 E4	3174 E4	F041 B13	
2001 H2	3034 B6	3175 E4	F042 B2	
2002 I2	3035 B6	3176 E13	F043 B2	
2003 I2	3036 C6	3177 F10	F044 A5	
2004 H1	3037 C6	3178 F10	F045 A1	
2005 B10	3038 C6	3179 F10	F046 A2	
2006 D10	3039 C6	3180 E14	F047 A2	
2007 B3	3040 C6	3181 E14	F048 B2	
2008 E10	3041 C6	3182 E12	F049 A13	
2009 E9	3042 C6	3183 A2	F050 B13	
2010 D11	3043 C6	3184 F8	F051 E13	
2011 F4	3044 C6	3185 F10	F052 E13	
2012 B5	3045 D6	3190 I6		
2013 C1	3046 D6	3193 I5		
2014 B4	3047 D6	3194 F12		
2015 C1	3048 D6	3195 F12		
2016 B3	3049 D6	3196 D13		
2017 B2	3050 G8	3197 D13		
2018 C1	3051 G8	3198 D13		
2019 D1	3052 B8	3199 C2		
2020 D1	3053 B8	3200 C2		
2021 D1	3054 C8	3201 G14		
2022 D1	3055 C8	3202 G14		
2023 H6	3056 C8	3203 F12		
2024 D1	3057 C8	3204 D2		
2025 H3	3058 C8	3205 D2		
2026 D1	3059 B9	3206 D2		
2027 D1	3060 B9	3207 D2		
2028 F12	3061 B5	3208 D2		
2029 B3	3062 E8	3209 D2		
2030 D1	3063 E8	3210 D2		
2031 I3	3064 E8	3211 D2		
2032 G9	3065 D6	3212 D2		
2033 A7	3066 C8	3213 D2		
2034 A8	3067 B9	3214 D2		
2035 G2	3068 D8	3215 D2		
2036 D1	3069 G8	3216 D2		
2037 D1	3070 G8	3217 D2		
2038 D1	3071 H12	3218 H8		
2039 E8	3072 F8	3219 H8		
2040 E8	3073 D6	3222 F8		
2041 A6	3074 F8	3223 F12		
2042 A10	3075 F8	3224 B8		
2043 D1	3076 G13	3225 B8		
2044 D1	3077 G13	3226 G9		
2045 C5	3078 E12	3227 G8		
2046 C12	3079 E6	3228 H8		
2047 C12	3080 E6	3229 A8		
2048 C12	3081 E6	3230 A9		
2049 C5	3082 E6	3231 G14		
2050 A5	3083 E6	3232 G14		
2051 C5	3084 E6	3233 B2		
2052 B6	3085 A4	4001 G12		
2053 G2	3086 B6	4002 B10		
2054 D5	3087 A4	4003 A10		
2055 G4	3088 A5	5001 G2		
2056 A12	3089 G10	5004 A8		
2057 A12	3090 F6	5005 B2		
2058 A12	3091 B13	5006 A6		
2059 A12	3092 B13	5024 A13		
2060 D5	3093 H12	5025 A1		
2061 A12	3094 D13	5026 A1		
2062 A13	3095 B13	5027 A1		
2063 I11	3096 A13	5028 B1		
2064 I11	3097 G10	5029 B1		
2065 I11	3098 G10	5030 B1		
2066 I11	3099 G10	5031 B1		
2067 I11	3100 A13	5032 C13		
2068 D5	3101 F6	5033 C13		
2069 I12	3102 B13	5034 D13		
2070 I12	3103 F12	5035 H12		
2071 F9	3104 A10	5036 H12		
2072 F9	3105 A11	5037 I12		
2073 F9	3106 A11	5038 I12		
2074 B6	3107 A11	5039 F4		
2075 A6	3108 A10	5040 B5		
2076 D5	3109 B9	5041 H5		
2077 A2	3110 B9	5042 F12		
2078 A2	3111 B9	5043 D13		
2079 A2	3112 B10	5044 D13		
2080 A2	3113 B11	5045 D13		
2081 A2	3114 B11	5046 I12		
2082 D5	3115 B6	5047 H12		
2083 D5	3116 C8	5049 A7		
2084 D5	3117 D8	5050 D13		
2085 F4	3118 D8	5051 D13		
2086 C5	3119 D8	5052 C13		
2087 G10	3120 D8	6000 G13		
2088 E12	3121 F6	6001 G13		
2089 G12	3122 G8	6002 E13		
2090 D5	3123 C9	6003 E13		
2091 A7	3124 F6	7001 H2		
2092 G10	3125 F6	7002 E13		
2093 G3	3126 F6	7003 F13		
2094 D5	3127 C9	7004 G10		
2095 D5	3128 C9	7006 C4		
2096 D5	3129 C9	7007 A5		
2097 D5	3130 C9	7008 F11		
2098 D5	3131 C10	7009 A7		
2099 D5	3132 C11	7011 A3		
2100 E5	3133 C11	7012 H5		
2101 E5	3134 D11	7013 A10		
2102 E5	3135 D10	7014 B10		
2103 F4	3136 F6	7016 F3		
2104 F5	3137 F6	7017 C10		
2105 F5	3138 F6	F001 D13		
2106 B3	3139 G6	F002 D13		
2107 G13	3140 D8	F003 D13		
2108 E9	3141 D10	F004 D13		
3001 H2	3142 E9	F005 C13		
3002 H2	3143 D13	F006 C13		
3003 A5	3144 F8	F007 D13		
3004 D6	3145 F9	F008 D13		
3005 E4	3146 G9	F009 D12		
3006 B9	3147 H12	F010 D13		
3007 B9	3148 H12	F011 D13		
3008 A9	3149 H12	F012 D13		
3009 H4	3150 H12	F013 D13		
3010 B9	3151 H12	F015 F14		
3011 I4	3152 H12	F016 H13		
3012 D6	3153 G6	F017 H13		
3013 G8	3154 H12	F018 H11		
3014 C4	3155 I4	F019 H11		
3015 C4	3156 I4	F020 H13		
3016 D4	3157 G6	F021 H13		
3017 D4	3158 D13	F022 H11		
3018 D4	3159 D13	F023 H13		
3019 D4	3160 B10	F024 H13		
3020 D4	3161 G6	F025 H11		

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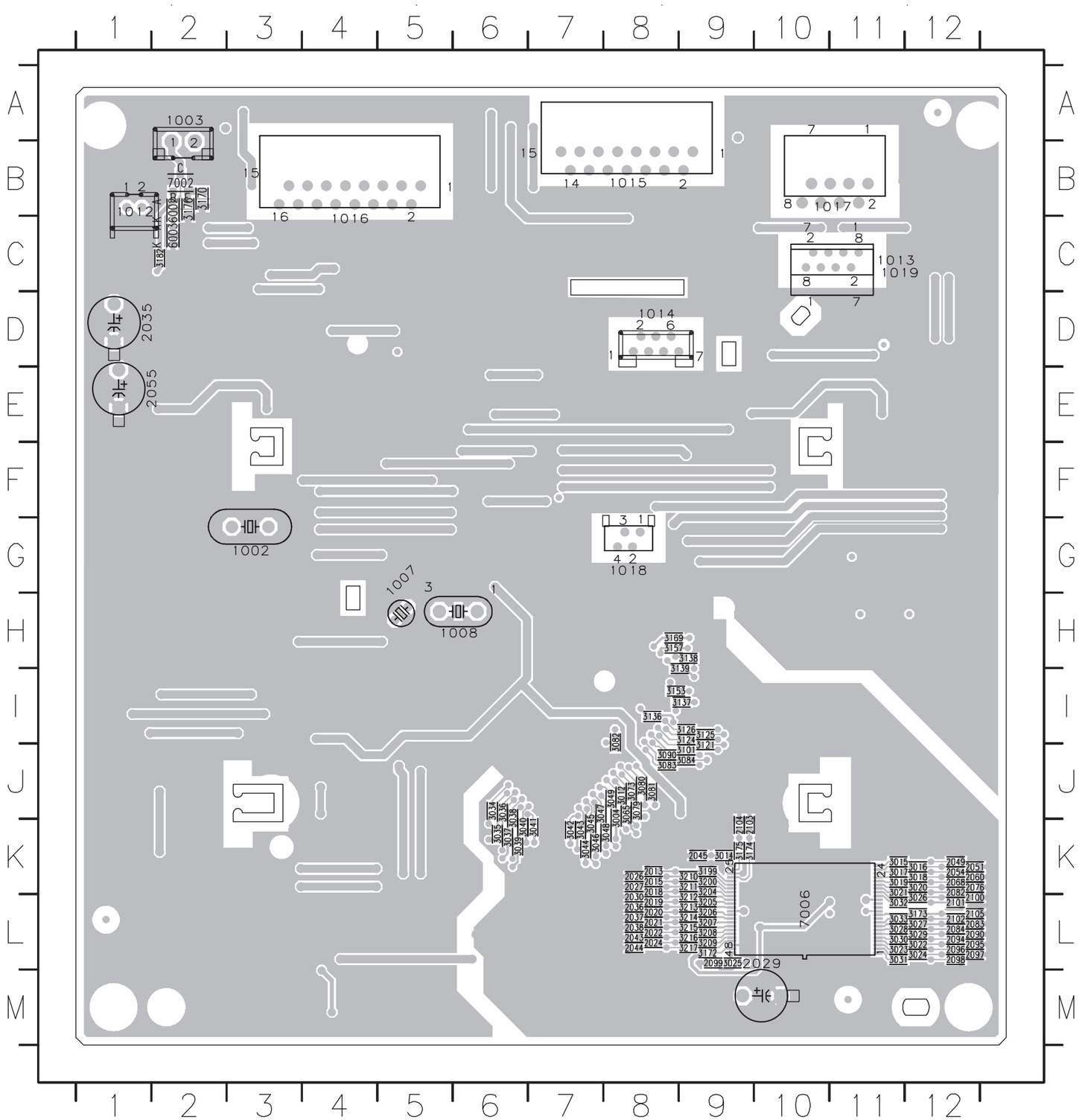
FRONT BOARD - Layout Diagram (side A)



1002	G3	3020	K12	3206	L9
1003	A2	3021	K11	3207	L9
1007	G5	3022	L12	3208	L9
1008	H6	3023	L11	3209	L9
1012	B1	3024	L12	3210	K9
1013	C11	3025	L9	3211	K9
1014	D8	3026	L12	3212	L9
1015	B8	3027	L12	3213	L9
1016	C4	3028	L11	3214	L9
1017	B11	3029	L12	3215	L9
1018	G8	3030	L11	3216	L9
1019	C11	3031	L11	3217	L9
2013	K8	3032	L11	6002	B2
2015	K8	3033	L11	6003	C2
2018	K8	3034	J6	7002	B2
2019	L8	3035	K6	7006	L10
2020	L8	3036	J6		
2021	L8	3037	K6		
2022	L8	3038	J6		
2024	L8	3039	K6		
2026	K8	3040	K6		
2027	K8	3041	K7		
2029	L10	3042	K7		
2030	L8	3043	K7		
2035	D1	3044	K7		
2036	L8	3045	K7		
2037	L8	3046	K7		
2038	L8	3047	J7		
2043	L8	3048	K8		
2044	L8	3049	J8		
2045	K9	3065	J8		
2049	K12	3073	J8		
2051	K12	3079	J8		
2054	K12	3080	J8		
2055	E2	3081	J8		
2060	K12	3082	I8		
2068	K12	3083	J8		
2076	K12	3084	J9		
2082	K12	3090	J8		
2083	L12	3101	J9		
2084	L12	3121	J9		
2090	L12	3124	I9		
2094	L12	3125	I9		
2095	L12	3126	I9		
2096	L12	3136	I8		
2097	L12	3137	I9		
2098	L12	3138	H9		
2099	L9	3139	I9		
2100	L12	3153	I8		
2101	L12	3157	H8		
2102	L12	3169	H8		
2103	K9	3170	B2		
2104	K9	3172	L9		
2105	L12	3173	L12		
3004	J8	3174	K9		
3012	J8	3175	K9		
3014	K9	3176	B2		
3015	K11	3182	C2		
3016	K12	3199	K9		
3017	K11	3200	K9		
3018	K12	3204	K9		
3019	K11	3205	L9		

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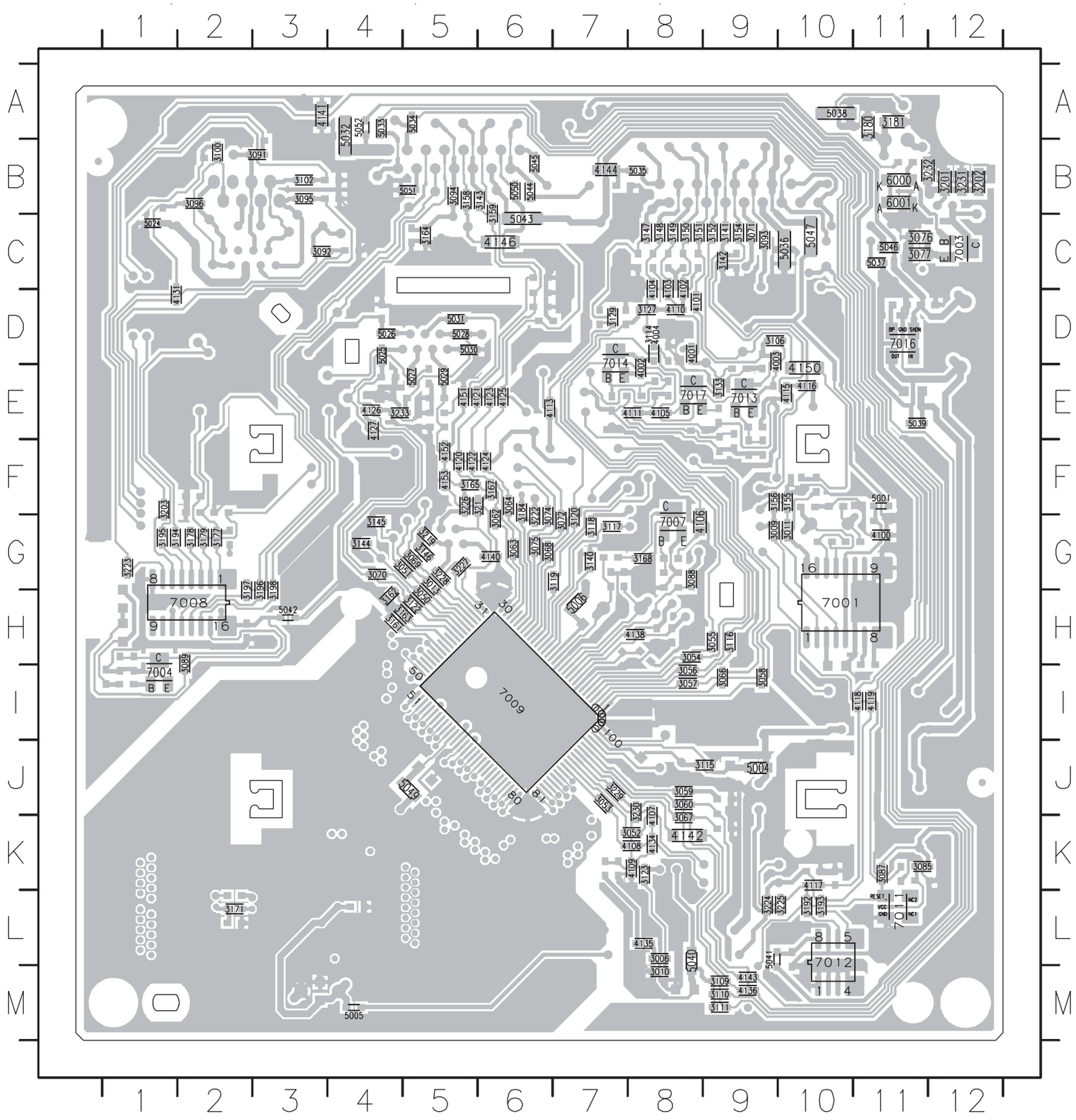
FRONT BOARD - Layout Diagram (side B)



2000	F10	2092	H1	3106	D9	3192	L10	4143	M9
2001	F10	2093	D11	3107	E9	3193	L10	4144	B7
2002	H11	2106	M3	3108	F9	3194	G1	4146	C6
2003	F10	2107	C12	3109	M9	3195	G1	4150	E10
2004	F10	2108	C9	3110	M9	3196	H3	4151	E5
2005	E8	3001	G10	3111	M9	3197	H2	4152	F5
2006	F9	3002	G10	3112	E8	3198	H3	4153	F5
2007	L4	3003	G8	3113	D8	3201	B12	5001	F11
2008	D6	3005	L2	3114	D8	3202	B12	5004	J9
2009	C6	3006	L8	3115	J9	3203	F1	5005	M4
2010	C5	3007	K7	3116	H9	3218	F6	5006	H7
2011	L2	3008	K7	3117	G7	3219	G5	5024	C1
2012	G8	3009	G9	3118	G7	3222	G6	5025	D4
2014	K11	3010	M8	3119	G7	3223	G1	5026	D4
2016	K11	3011	G10	3120	G7	3224	L9	5027	E5
2017	E4	3013	G5	3122	H5	3225	L10	5028	D5
2023	L10	3050	H5	3123	K8	3226	F5	5029	E5
2025	G11	3051	G5	3127	D8	3227	G5	5030	D5
2028	H2	3052	K8	3128	D7	3228	G5	5031	D5
2031	I10	3053	J7	3129	D7	3229	J7	5032	A4
2032	H1	3054	H8	3130	D7	3230	J8	5033	A4
2033	H7	3055	H9	3131	E9	3231	B12	5034	A5
2034	J9	3056	I8	3132	E9	3232	B11	5035	B8
2039	H8	3057	I8	3133	E9	3233	E4	5036	C10
2040	H8	3058	I9	3134	E8	4001	D8	5037	C11
2041	G7	3059	J8	3135	F9	4002	E8	5038	A10
2042	F9	3060	J8	3140	G7	4003	D9	5039	E11
2046	K9	3061	H8	3141	C9	4004	D8	5040	L8
2047	J9	3062	G6	3142	C9	4100	G11	5041	L9
2048	J9	3063	G6	3143	B6	4101	D8	5042	H3
2050	G8	3064	F6	3144	G4	4102	C8	5043	C6
2052	J8	3066	I9	3145	G4	4103	C8	5044	B6
2053	D11	3067	K8	3146	G5	4104	C8	5045	B6
2056	B4	3068	G6	3147	C8	4105	E8	5046	C11
2057	B4	3069	G5	3148	C8	4106	G8	5047	C10
2058	C4	3070	G4	3149	C8	4107	K8	5049	J5
2059	B3	3071	C9	3150	C8	4108	K8	5050	B6
2061	B2	3072	G7	3151	C8	4109	K8	5051	B5
2062	B1	3074	G6	3152	C9	4110	D8	5052	A4
2063	C8	3075	G6	3154	C9	4111	E8	6000	B11
2064	C8	3076	C11	3155	F10	4113	E6	6001	B11
2065	C8	3077	C11	3156	F9	4115	E10	7001	H10
2066	C8	3078	D6	3158	B5	4116	E10	7003	C12
2067	C8	3085	K11	3159	B6	4117	K10	7004	I1
2069	K10	3086	H7	3160	E7	4118	I11	7007	G8
2070	K10	3087	K11	3161	H4	4119	I11	7008	H2
2071	F2	3088	G8	3162	H4	4120	F5	7009	I6
2072	F2	3089	H2	3163	H5	4121	E5	7011	L11
2073	F2	3091	B3	3164	C5	4122	F5	7012	L10
2074	G7	3092	C3	3165	F5	4123	E6	7013	E9
2075	G7	3093	C9	3166	E8	4124	F6	7014	D7
2077	E4	3094	B5	3167	F6	4125	E6	7016	D11
2078	D4	3095	B3	3168	G8	4126	E4	7017	E8
2079	E5	3096	B2	3171	L2	4127	E4		
2080	E5	3097	I1	3177	G2	4131	D1		
2081	E5	3098	I1	3178	G2	4134	K8		
2085	E11	3099	H1	3179	G2	4135	L8		
2086	M8	3100	B2	3180	A11	4136	M9		
2087	H1	3102	B3	3181	A11	4138	H8		
2088	D6	3103	B11	3183	E5	4140	G6		
2089	B7	3104	E9	3184	F6	4141	A3		
2091	J5	3105	D9	3185	G2	4142	K8		

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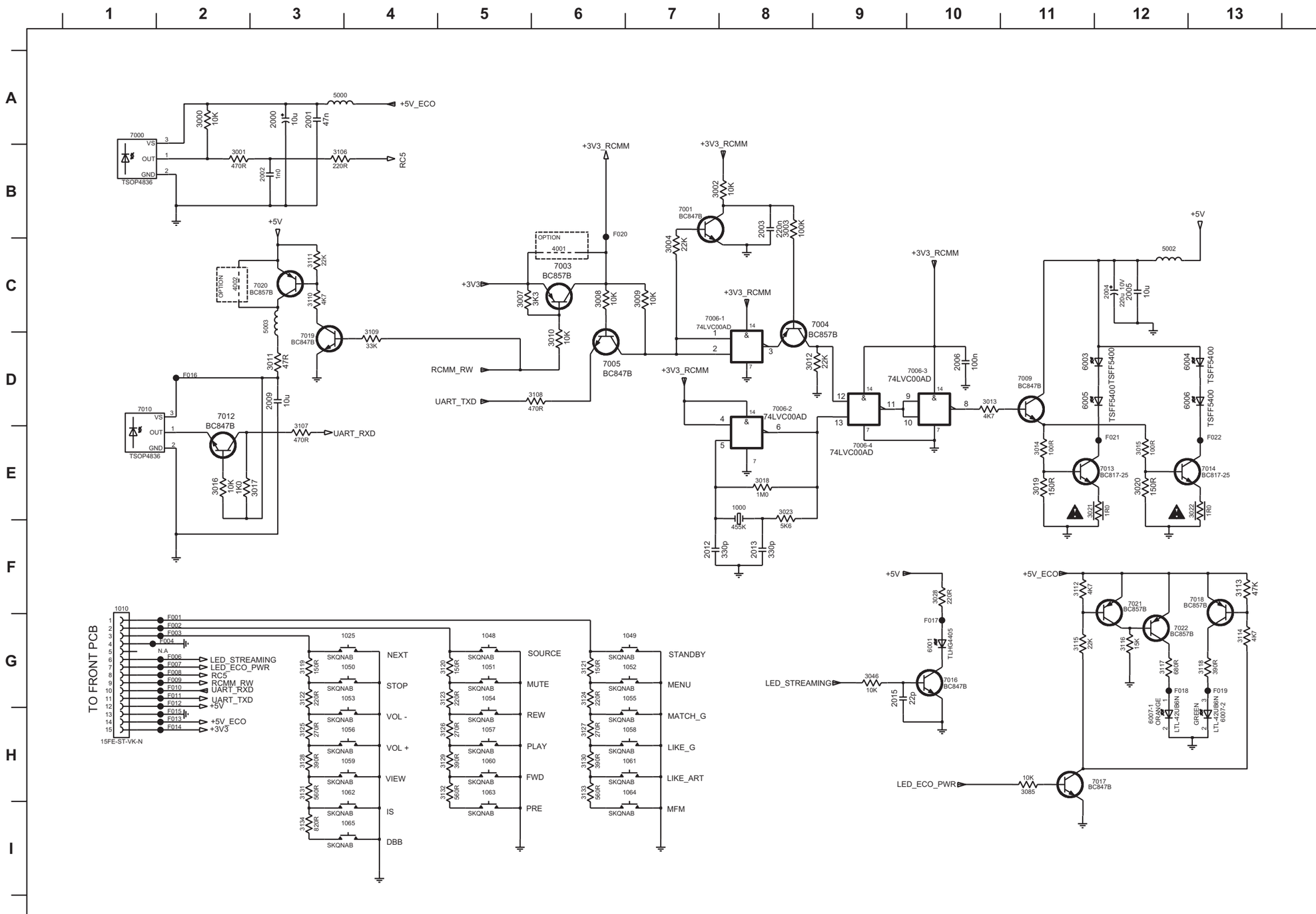
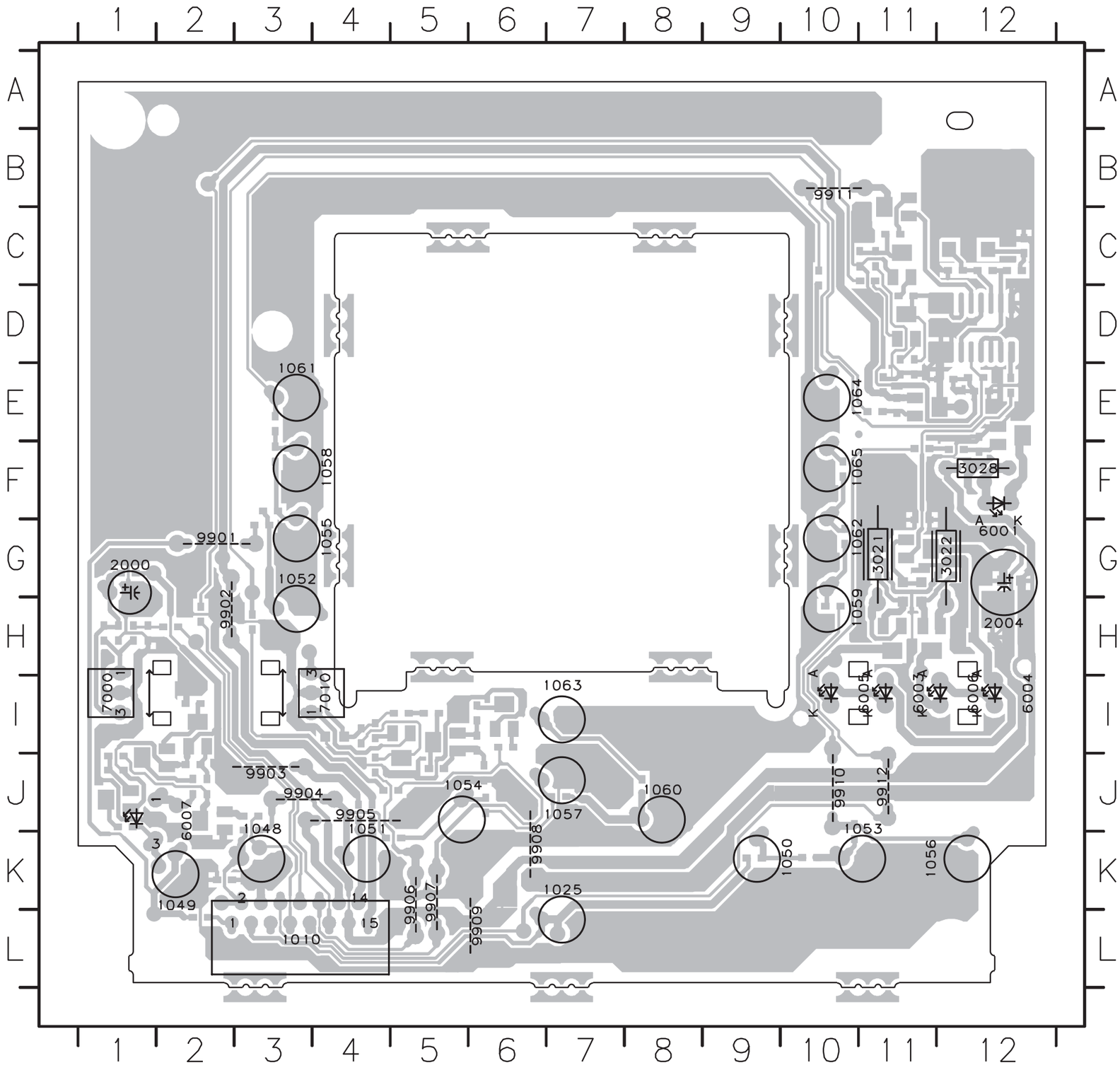
KEY & RC BOARD - Circuit Diagram



1000 E8	6007-2 G13	3106 B3
1010 F1	7000 A1	3107 E3
1025 G4	7001 B7	3108 D6
1048 G5	7003 C6	3109 D4
1049 G7	7004 C8	3110 C3
1050 G4	7005 D6	3111 C3
1051 G5	7006-1 C8	3112 F11
1052 G7	7006-2 D8	3113 F13
1053 G4	7006-3 D10	3114 G13
1054 G5	7006-4 E9	3115 G11
1055 G7	7009 D11	3116 G12
1056 H4	7010 D1	3117 G12
1057 H5	7012 D2	3118 G13
1058 H7	7013 E12	3119 G3
1059 H4	7014 E13	3120 G5
1060 H5	7016 G10	3121 G6
1061 H7	7017 H11	3122 G3
1062 H4	7018 F13	3123 G5
1063 H5	7019 D3	3124 G6
1064 H7	7020 C3	3125 H3
1065 I4	7021 F12	3126 H5
2000 A3	7022 G12	3127 H6
2001 A3	F001 G2	3128 H3
2002 B3	F002 G2	3129 H5
2003 B8	F003 G2	3130 H6
2004 C12	F004 G2	3131 H3
2005 C12	F006 G2	3132 H5
2006 D10	F007 G2	3133 H6
2009 D3	F008 G2	3134 I3
2012 F7	F009 G2	4001 C6
2013 F8	F010 G2	4002 C2
2015 G9	F011 G2	5000 A3
3000 A2	F012 G2	5002 C12
3001 B2	F013 H2	5003 C3
3002 B7	F014 H2	6001 G10
3003 B8	F015 H2	6003 D11
3004 C7	F016 D2	6004 D13
3007 C5	F017 G10	6005 D11
3008 C6	F018 G12	6006 D13
3009 C7	F019 G13	6007-1 G12
3010 D6	F020 B6	
3011 D3	F021 E12	
3012 D8	F022 E13	
3013 D10		
3014 E11		
3015 E12		
3016 E2		
3017 E3		
3018 E8		
3019 E11		
3020 E12		
3021 E11		
3022 E13		
3023 E8		
3028 F10		
3046 G9		
3085 H11		

9 - 2

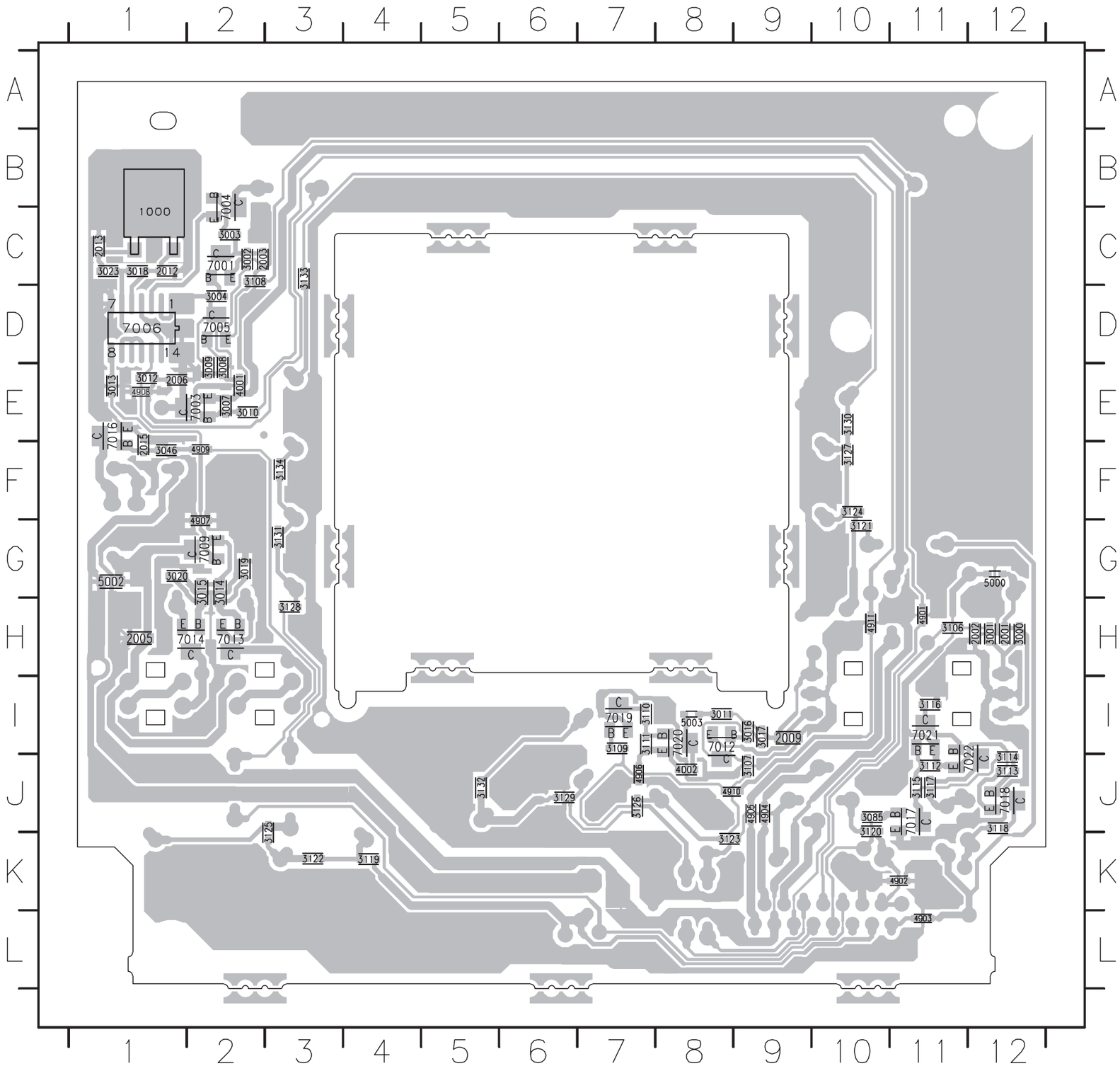
KEY & RC BOARD - Layout Diagram (side A)



1010 L3
1025 K7
1048 J3
1049 K2
1050 K10
1051 J4
1052 G3
1053 J11
1054 J5
1055 G4
1056 K11
1057 J7
1058 F4
1059 H10
1060 J8
1061 E3
1062 G10
1063 I7
1064 E10
1065 F10
2000 G1
2004 H12
3021 G11
3022 G12
3028 F12
6001 G12
6003 I11
6004 I12
6005 I11
6006 I12
6007 J2
7000 I1
7010 I4
9901 G2
9902 H2
9903 J3
9904 J3
9905 J4
9906 K5
9907 K5
9908 K6
9909 L6
9910 J10
9911 B10
9912 J11

9 - 3

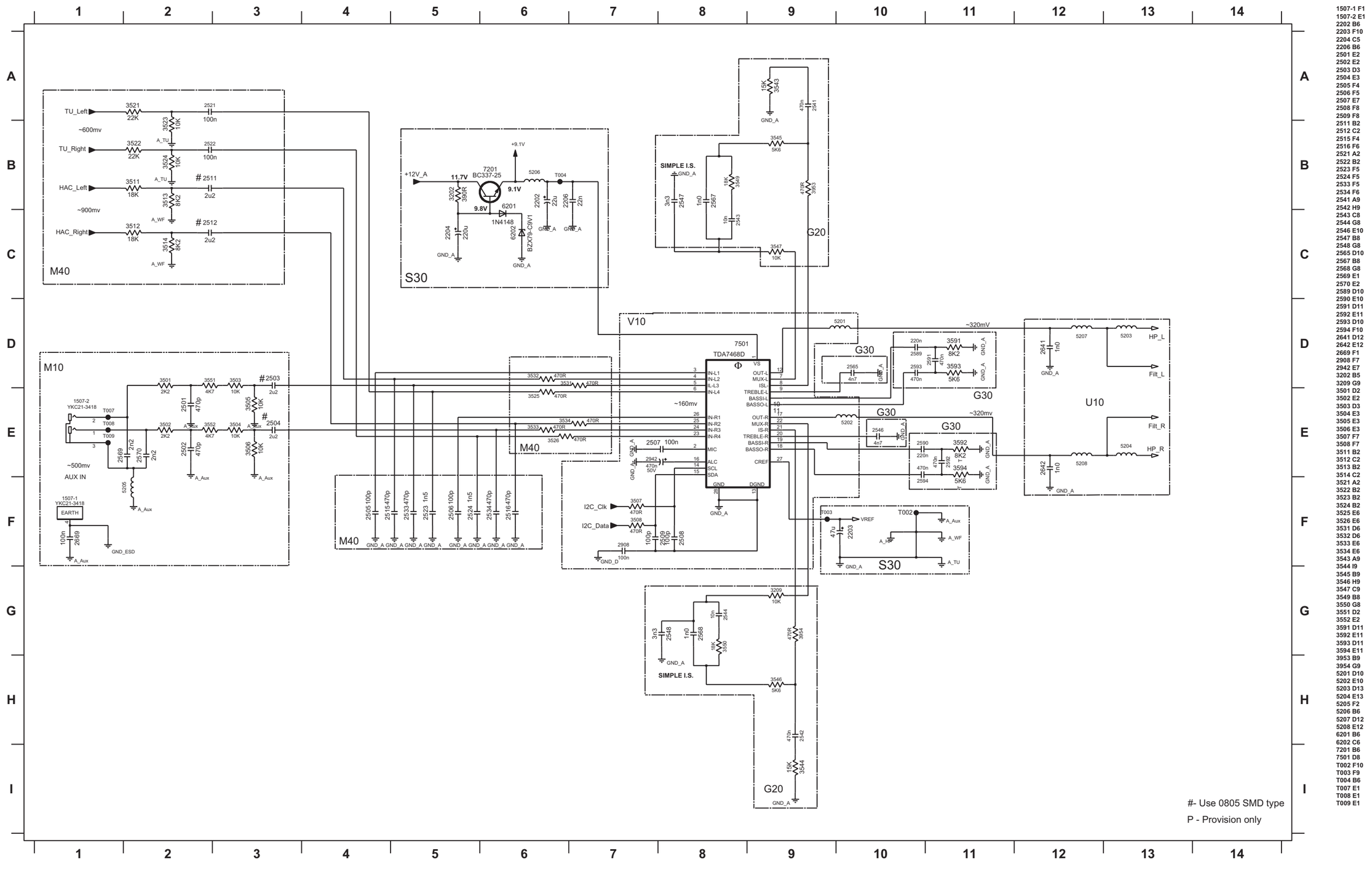
KEY & RC BOARD - Layout Diagram (side B)



1000	C1	3132	J5
2001	H12	3133	C3
2002	H12	3134	F3
2003	C2	4001	E2
2005	H1	4002	J8
2006	E1	4901	H11
2009	I9	4902	K11
2012	C1	4903	L11
2013	C1	4904	J9
2015	F1	4905	J9
3000	H12	4906	J7
3001	H12	4907	G2
3002	C2	4908	E1
3003	C2	4909	F2
3004	D2	4910	J8
3007	E2	4911	H10
3008	E2	5000	G12
3009	E2	5002	G1
3010	E2	5003	I8
3011	I8	7001	C2
3012	E1	7003	E2
3013	E1	7004	C2
3014	G2	7005	D2
3015	G2	7006	D1
3016	I9	7009	G2
3017	I9	7012	I8
3018	C1	7013	H2
3019	G2	7014	H2
3020	G1	7016	E1
3023	C1	7017	J11
3046	F1	7018	J12
3085	J10	7019	I7
3106	H11	7020	I8
3107	J9	7021	I11
3108	C2	7022	J12
3109	I7		
3110	I7		
3111	I7		
3112	J11		
3113	J12		
3114	J12		
3115	J11		
3116	I11		
3117	J11		
3118	J12		
3119	K4		
3120	J10		
3121	G10		
3122	K3		
3123	K8		
3124	F10		
3125	K3		
3126	J7		
3127	F10		
3128	H3		
3129	J6		
3130	E10		
3131	G3		

10 - 1

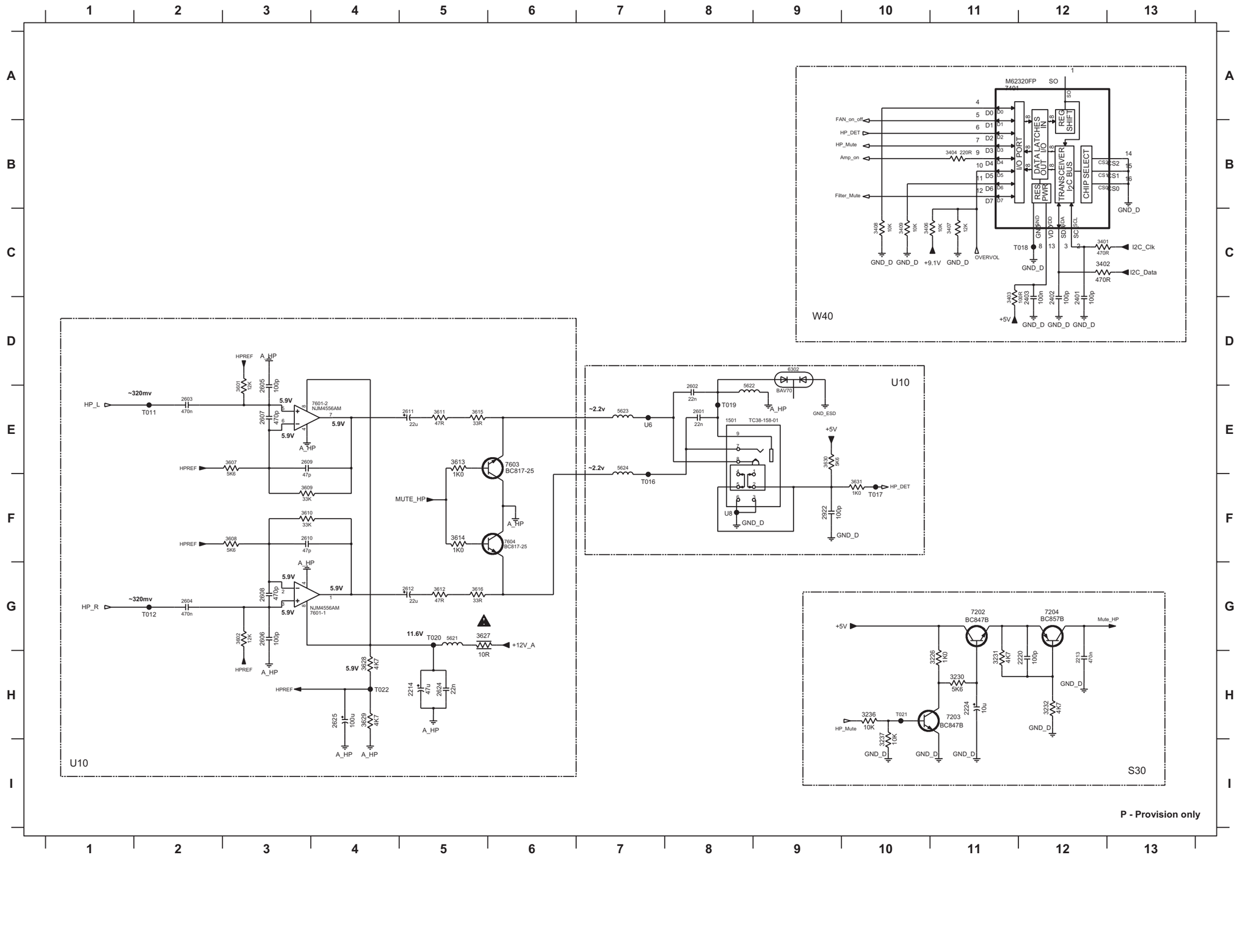
AF & AMP BOARD - Circuit Diagram (part 1)



1507-1 F1
1507-2 E1
2202 B6
2203 F10
2204 C5
2206 B6
2501 E2
2502 E2
2503 D3
2504 E3
2505 F4
2506 F5
2507 E7
2508 F8
2509 F8
2511 B2
2512 C2
2515 F4
2516 F6
2521 A2
2522 B2
2523 F5
2524 F5
2533 F5
2534 F6
2541 A9
2542 H9
2543 C8
2544 G8
2546 E10
2547 B8
2548 G8
2565 D10
2567 B8
2568 G8
2569 E1
2570 E2
2589 D10
2590 E10
2591 D11
2592 E11
2593 D10
2594 F10
2641 D12
2642 E12
2669 F1
2908 F7
2942 E7
3202 B5
3209 G9
3501 D2
3502 E2
3503 D3
3504 E3
3505 E3
3506 E3
3507 F7
3508 F7
3511 B2
3512 C2
3513 B2
3514 C2
3521 A2
3522 B2
3523 B2
3524 B2
3525 E6
3526 E6
3531 D6
3532 D6
3533 E6
3534 E6
3543 A9
3544 I9
3545 B9
3546 H9
3547 C9
3549 B8
3550 G8
3551 D2
3552 E2
3591 D11
3592 E11
3593 D11
3594 E11
3953 B9
3954 G9
5201 D10
5202 E10
5203 D13
5204 E13
5205 F2
5206 B6
5207 D12
5208 E12
6201 B6
6202 C6
7201 B6
7501 D8
T002 F10
T003 F9
T004 B6
T007 E1
T008 E1
T009 E1

10 - 2

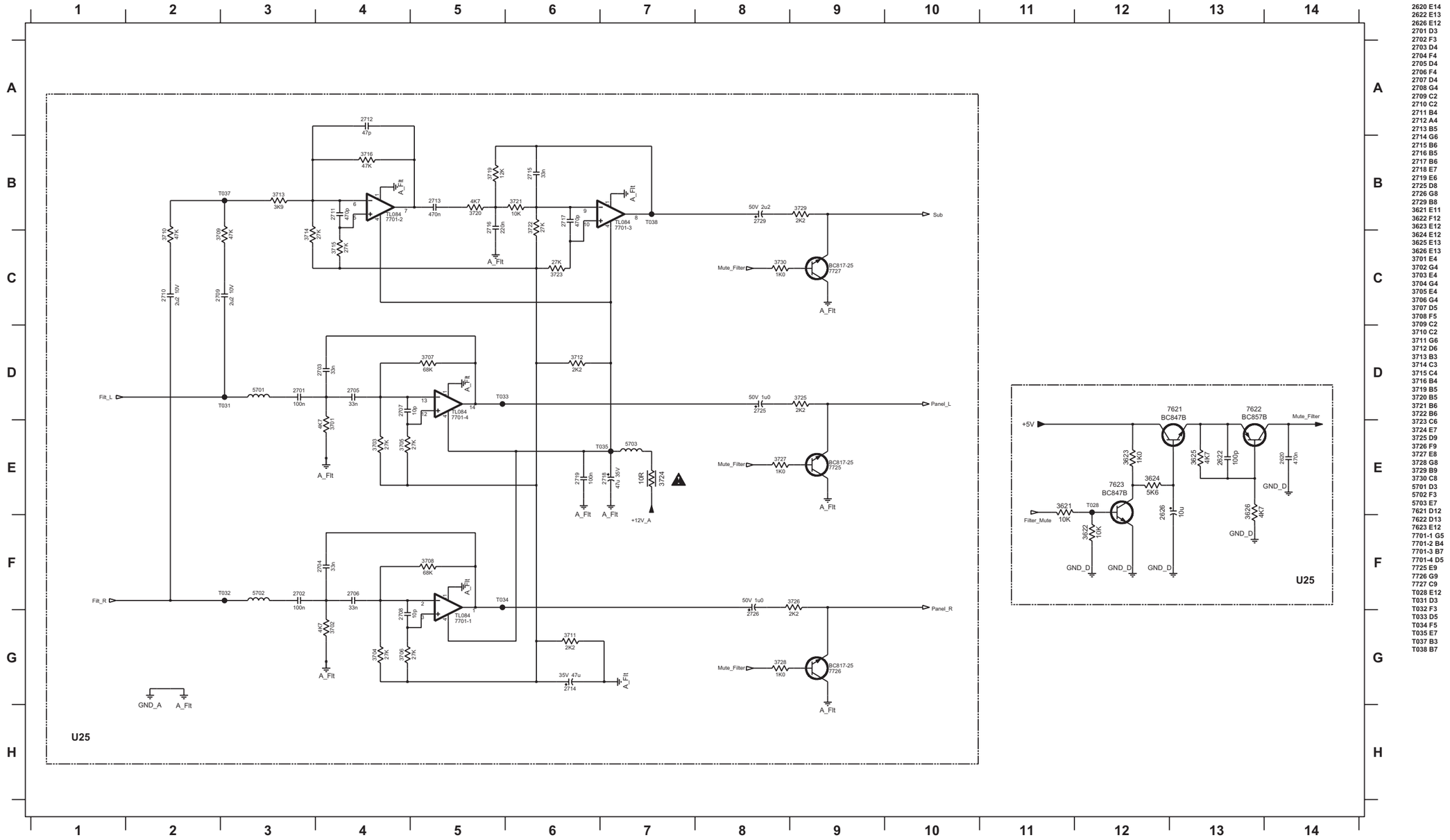
AF & AMP BOARD - Circuit Diagram (part 2)



U6 E7
U8 F8
1501 E8
2213 H12
2214 H5
2220 H12
2224 H11
2401 D12
2402 D12
2403 D12
2601 E8
2602 E8
2603 E2
2604 G2
2605 E3
2606 G3
2607 E3
2608 G3
2609 E3
2610 F3
2611 E5
2612 G5
2624 H5
2625 H4
2922 F9
3226 H11
3230 H11
3231 H11
3232 H12
3236 H10
3237 I10
3401 C12
3402 C12
3403 D11
3404 B11
3406 C10
3407 C11
3408 C10
3409 C10
3601 E3
3602 G3
3607 E3
3608 F3
3609 F3
3610 F3
3611 E5
3612 G5
3613 E5
3614 F5
3615 E5
3616 G5
3627 G5
3628 H4
3629 H4
3630 E9
3631 F10
5621 G5
5622 E8
5623 E7
5624 E7
6302 D9
7202 G11
7203 H11
7204 G12
7401 A11
7601-1 G3
7601-2 E4
7603 E6
7604 F6
T011 E2
T012 G2
T016 F7
T017 F10
T018 C12
T019 E8
T020 G5
T021 H10
T022 H4

10 - 3

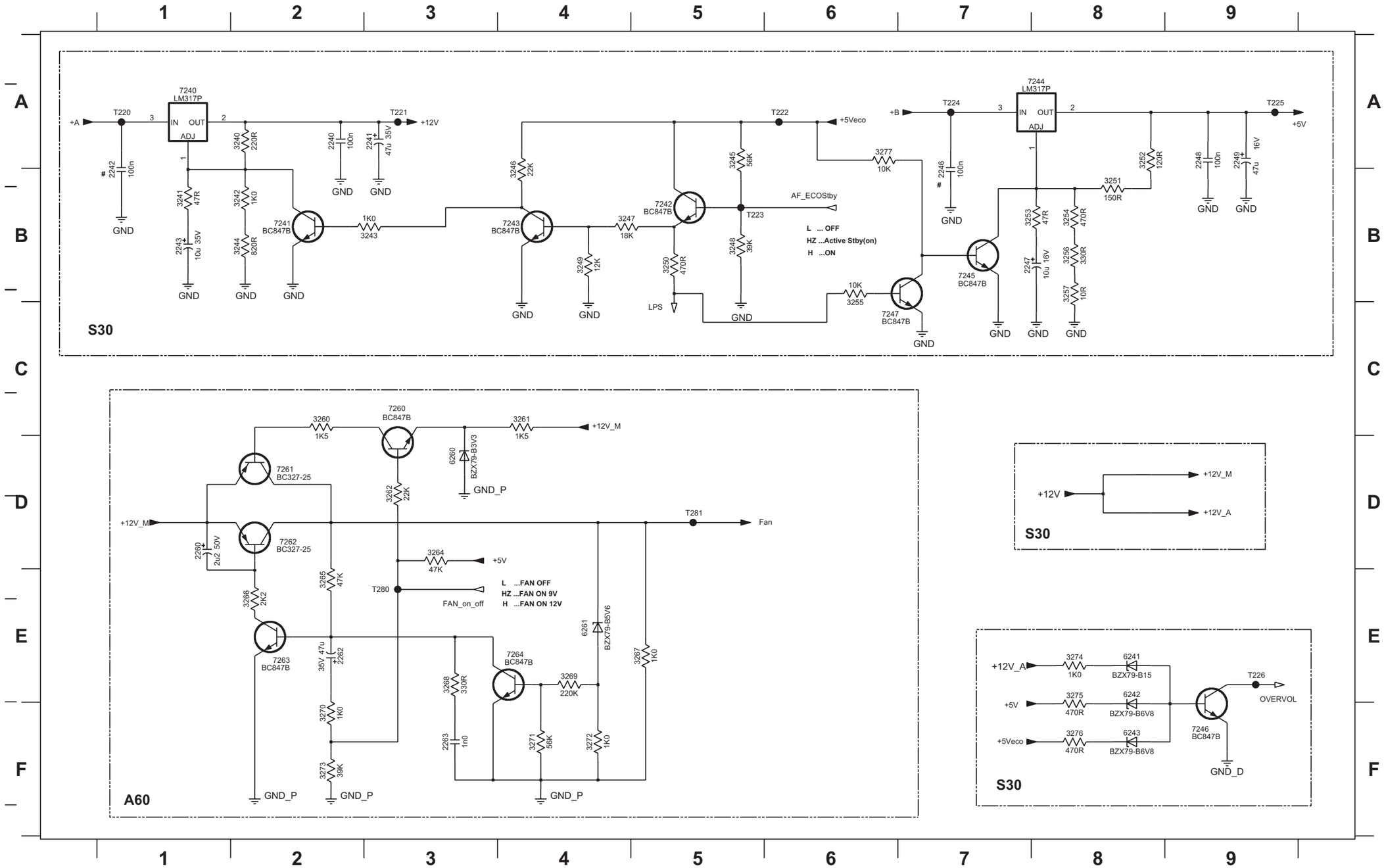
AF & AMP BOARD - Circuit Diagram (part 3)



2620 E14
2622 E13
2626 E12
2701 D3
2702 F3
2703 D4
2704 F4
2705 D4
2706 F4
2707 D4
2708 G4
2709 C2
2710 C2
2711 B4
2712 A4
2713 B5
2714 G6
2715 B6
2716 B5
2717 B6
2718 E7
2719 E6
2725 D8
2726 G8
2729 B8
3621 E11
3622 F12
3623 E12
3624 E12
3625 E13
3626 E13
3701 E4
3702 G4
3703 E4
3704 G4
3705 E4
3706 G4
3707 D5
3708 F5
3709 C2
3710 C2
3711 G6
3712 D6
3713 B3
3714 C3
3715 C4
3716 B4
3719 B5
3720 B5
3721 B6
3722 B6
3723 C6
3724 E7
3725 D9
3726 F9
3727 E8
3728 G8
3729 B9
3730 C8
5701 D3
5702 F3
5703 E7
7621 D12
7622 D13
7623 E12
7701-1 G5
7701-2 B4
7701-3 B7
7701-4 D5
7725 E9
7726 G9
7727 C9
T028 E12
T031 D3
T032 F3
T033 D5
T034 F5
T035 E7
T037 B3
T038 B7

10 - 4

AF & AMP BOARD - Circuit Diagram (part 4)

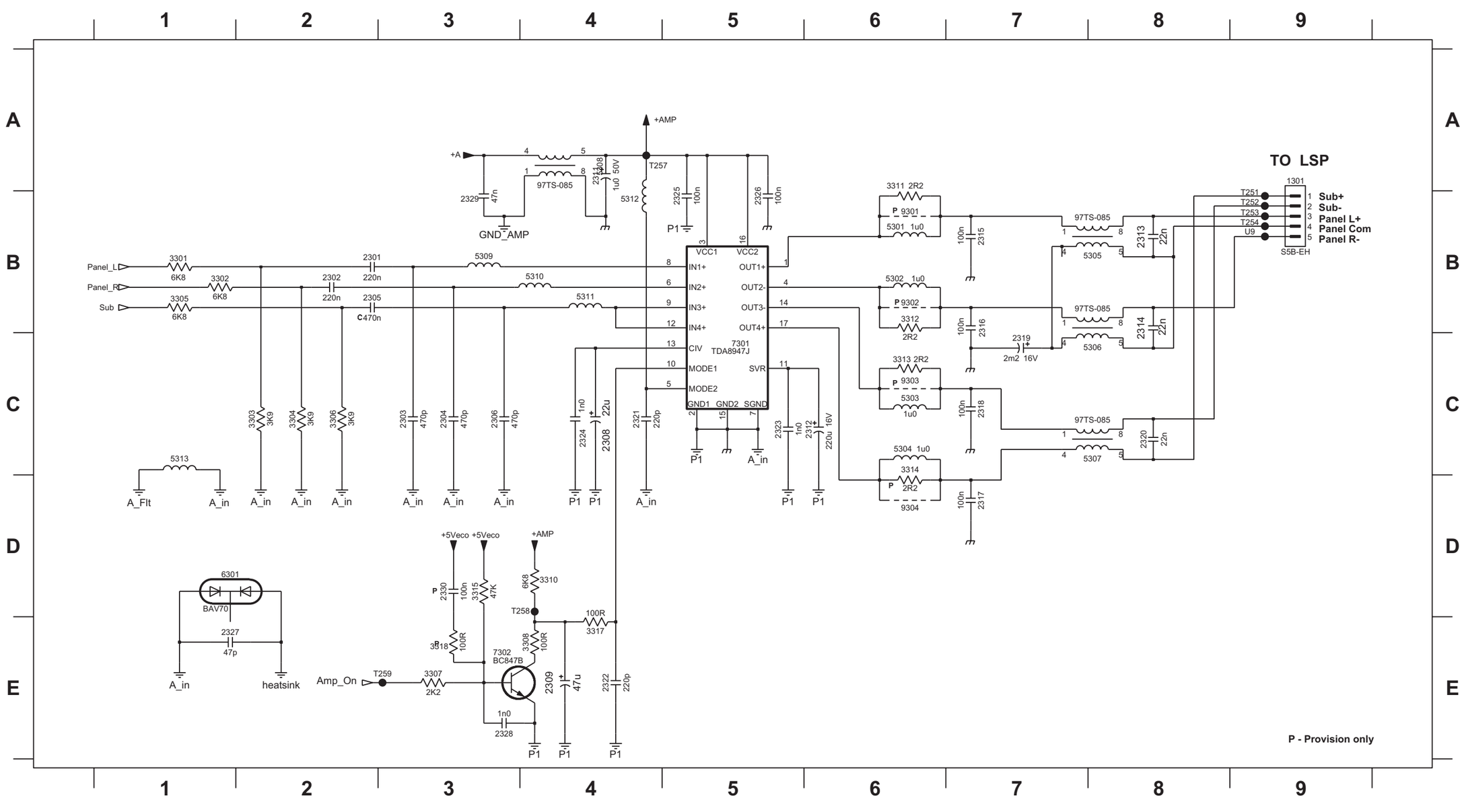


2240 A2
2241 A3
2242 B1
2243 B1
2246 B7
2247 B7
2248 A9
2249 A9
2260 D1
2262 E2
2263 F3
3240 A2
3241 B1
3242 B2
3243 B3
3244 B2
3245 A5
3246 B4
3247 B4
3248 B5
3249 B4
3250 B5
3251 B8
3252 A8
3253 B7
3254 B8
3255 B6
3256 B8
3257 B8
3260 C2
3261 C4
3262 D3
3264 D3
3265 E2
3266 E2
3267 E5
3268 E3
3269 E4
3270 F2
3271 F4
3272 F4
3273 F2
3274 E8
3275 E8
3276 F8
3277 A6
6241 E8
6242 E8
6243 F8
6260 D3
6261 E4
7240 A1
7241 B2
7242 B5
7243 B4
7244 A8
7245 B7
7246 F9
7247 C6
7260 C3
7261 D2
7262 D2
7263 E2
7264 E4
T220 A1
T221 A3
T222 A6
T223 B5
T224 A7
T225 A9
T226 E9
T280 E3
T281 D5

10 - 5

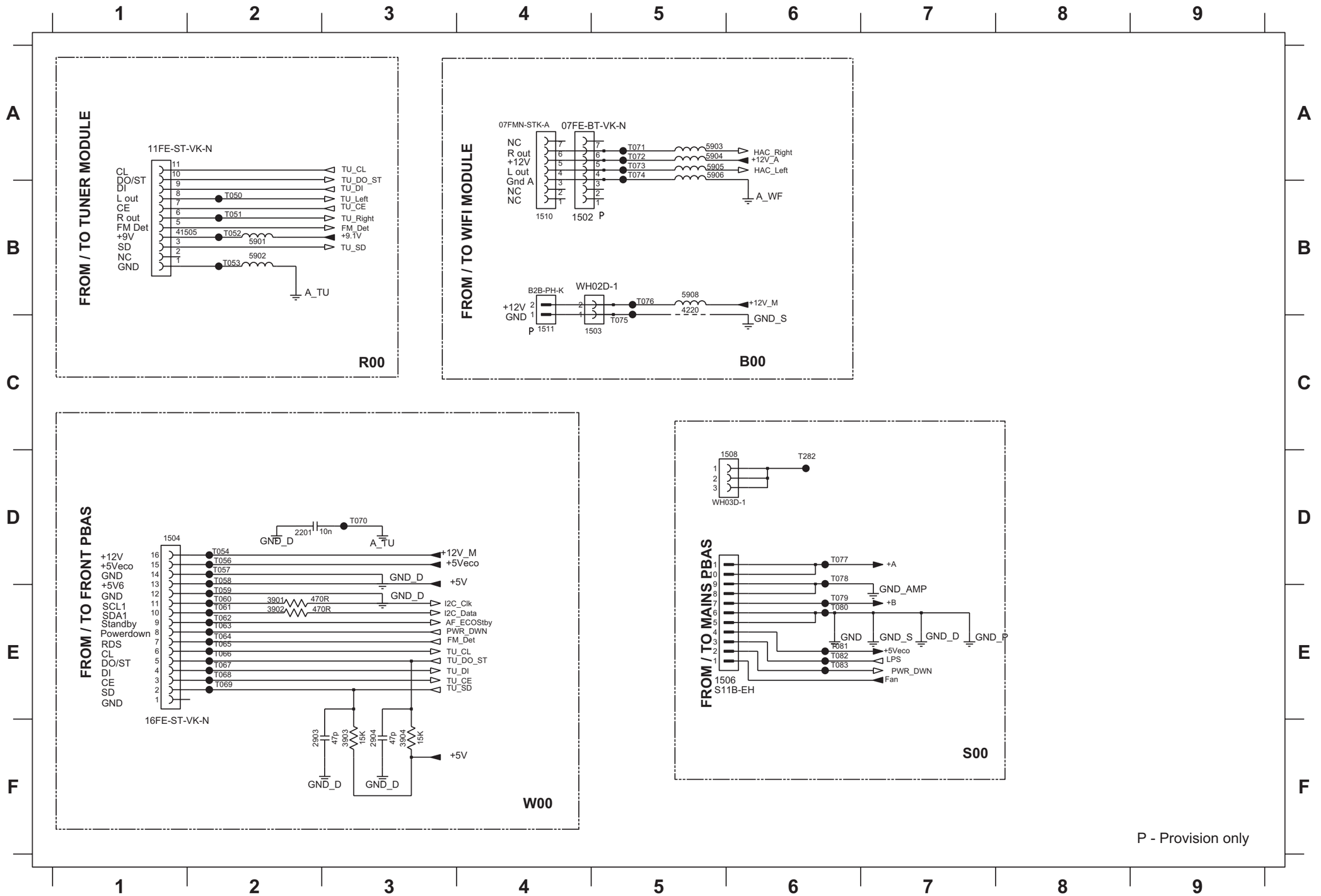
AF & AMP BOARD - Circuit Diagram (part 5)

U9 B9	2302 B2	2305 B2	2309 E4	2313 B8	2316 B7	2319 C7	2322 E4	2325 B5	2328 E3	3301 B1	3304 C2	3307 E3	3311 A6	3314 C6	3318 E3	5303 C6	5306 C8	5309 B3	5312 B4	7301 C5	9302 B6	T251 B9	T254 B9	T259 E3
1301 A9	2303 C3	2306 C3	2311 A4	2314 B8	2317 D7	2320 C8	2323 C5	2326 B5	2329 B3	3302 B1	3305 B1	3308 E4	3312 B6	3315 D3	5301 B6	5304 C6	5307 C8	5310 B4	5313 C1	7302 E3	9303 C6	T252 B9	T257 A4	
2301 B2	2304 C3	2308 C4	2312 C6	2315 B7	2318 C7	2321 C4	2324 C4	2327 E1	2330 D3	3303 C2	3306 C2	3310 D4	3313 C6	3317 E4	5302 B6	5305 B8	5308 A4	5311 B4	6301 D1	9301 B6	9304 D6	T253 B9	T258 D4	



10 - 6

AF & AMP BOARD - Circuit Diagram (part 6)



1502 B5
1503 C5
1504 D1
1505 B2
1506 E5
1508 D6
1510 B4
1511 C4
2201 D2
2903 F2
2904 F3
3901 E2
3902 E2
3903 F3
3904 F3
4220 B5
5901 B2
5902 B2
5903 A5
5904 A5
5905 A5
5906 A5
5908 B5
T050 B2
T051 B2
T052 B2
T053 B2
T054 D2
T056 D2
T057 D2
T058 D2
T059 E2
T060 E2
T061 E2
T062 E2
T063 E2
T064 E2
T065 E2
T066 E2
T067 E2
T068 E2
T069 E2
T070 D3
T071 A5
T072 A5
T073 A5
T074 A5
T075 C5
T076 B5
T077 D6
T078 D6
T079 E6
T080 E6
T081 E6
T082 E6
T083 E6
T282 D6

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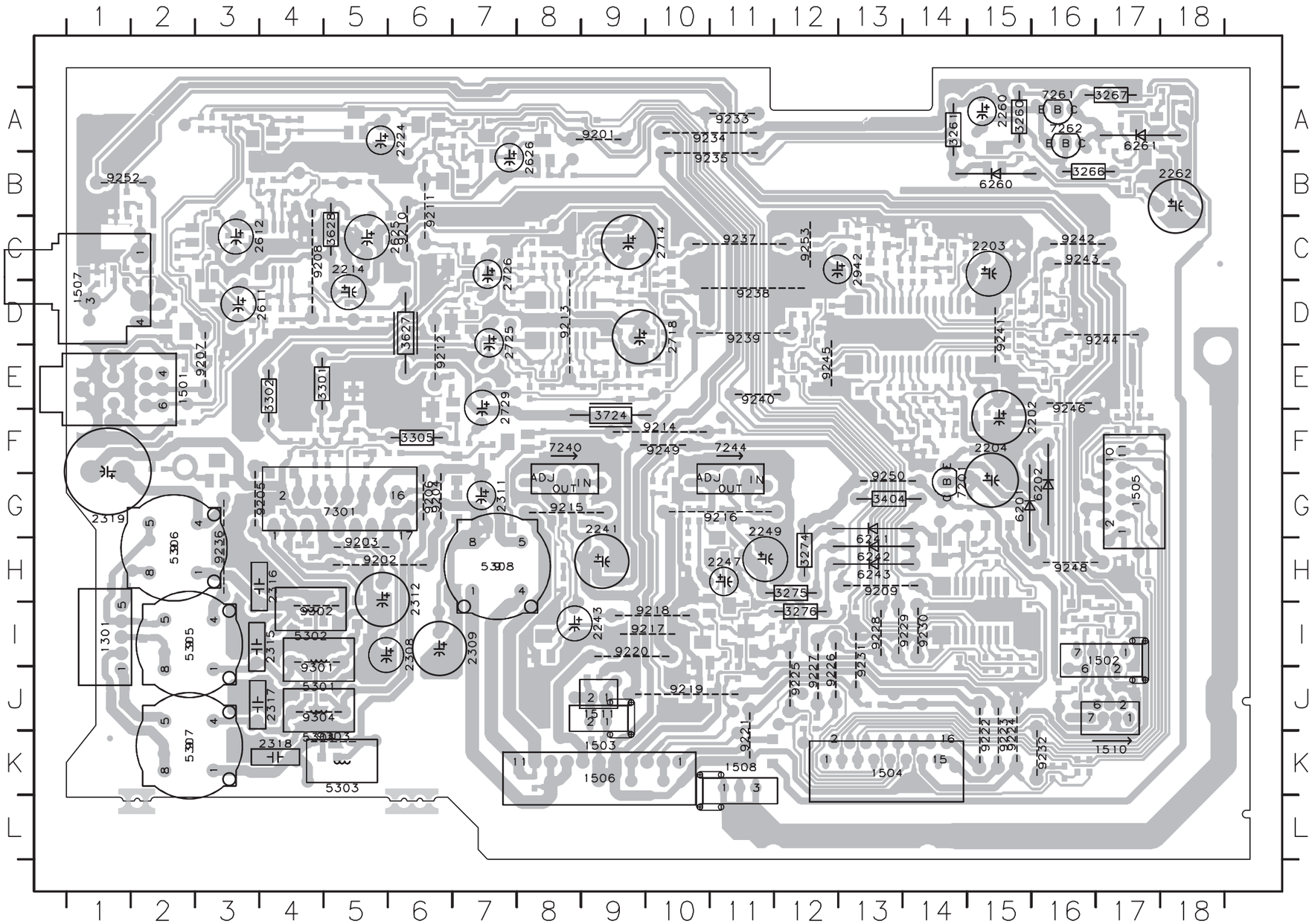
AF & AMP BOARD - Layout Diagram (side A)



1301	I1	5307	K2	9248	H16
1501	E2	5308	H7	9249	F10
1502	I17	6201	G15	9250	G13
1503	K9	6202	G16	9252	B1
1504	K13	6241	H13	9253	C12
1505	G17	6242	H13	9301	J4
1506	K9	6243	H13	9302	I4
1507	D1	6260	B15	9303	K5
1508	K11	6261	A17	9304	J4
1510	K17	7201	G14		
1511	J9	7240	F8		
2202	F16	7244	F11		
2203	C15	7261	A16		
2204	F15	7262	A16		
2214	C5	7301	G5		
2224	A6	9201	A9		
2241	G9	9202	H5		
2243	I9	9203	H5		
2247	H11	9204	G6		
2249	G11	9205	G4		
2260	A15	9206	G6		
2262	B18	9207	E3		
2308	I6	9208	C4		
2309	I7	9209	H13		
2311	G7	9210	C6		
2312	H6	9211	B6		
2315	I4	9212	E6		
2316	H4	9213	D8		
2317	J4	9214	F10		
2318	K4	9215	G8		
2319	G1	9216	G11		
2611	D4	9217	I10		
2612	C3	9218	I10		
2625	C6	9219	J10		
2626	B8	9220	I9		
2714	C10	9221	K11		
2718	D10	9222	K15		
2725	D7	9223	K15		
2726	C7	9224	K15		
2729	E7	9225	J12		
2942	C13	9226	J12		
3260	A15	9227	J12		
3261	A14	9228	I13		
3266	B16	9229	I14		
3267	A17	9230	I14		
3274	H12	9231	I13		
3275	H12	9232	K16		
3276	I12	9233	A11		
3301	E4	9234	A10		
3302	E4	9235	B11		
3305	F6	9236	H3		
3404	G13	9237	C11		
3627	D6	9238	D11		
3628	C5	9239	D11		
3724	F9	9240	E11		
5301	J4	9241	D15		
5302	I4	9242	C16		
5303	K5	9243	C16		
5304	K4	9244	D17		
5305	I2	9245	E12		
5306	H2	9246	E16		

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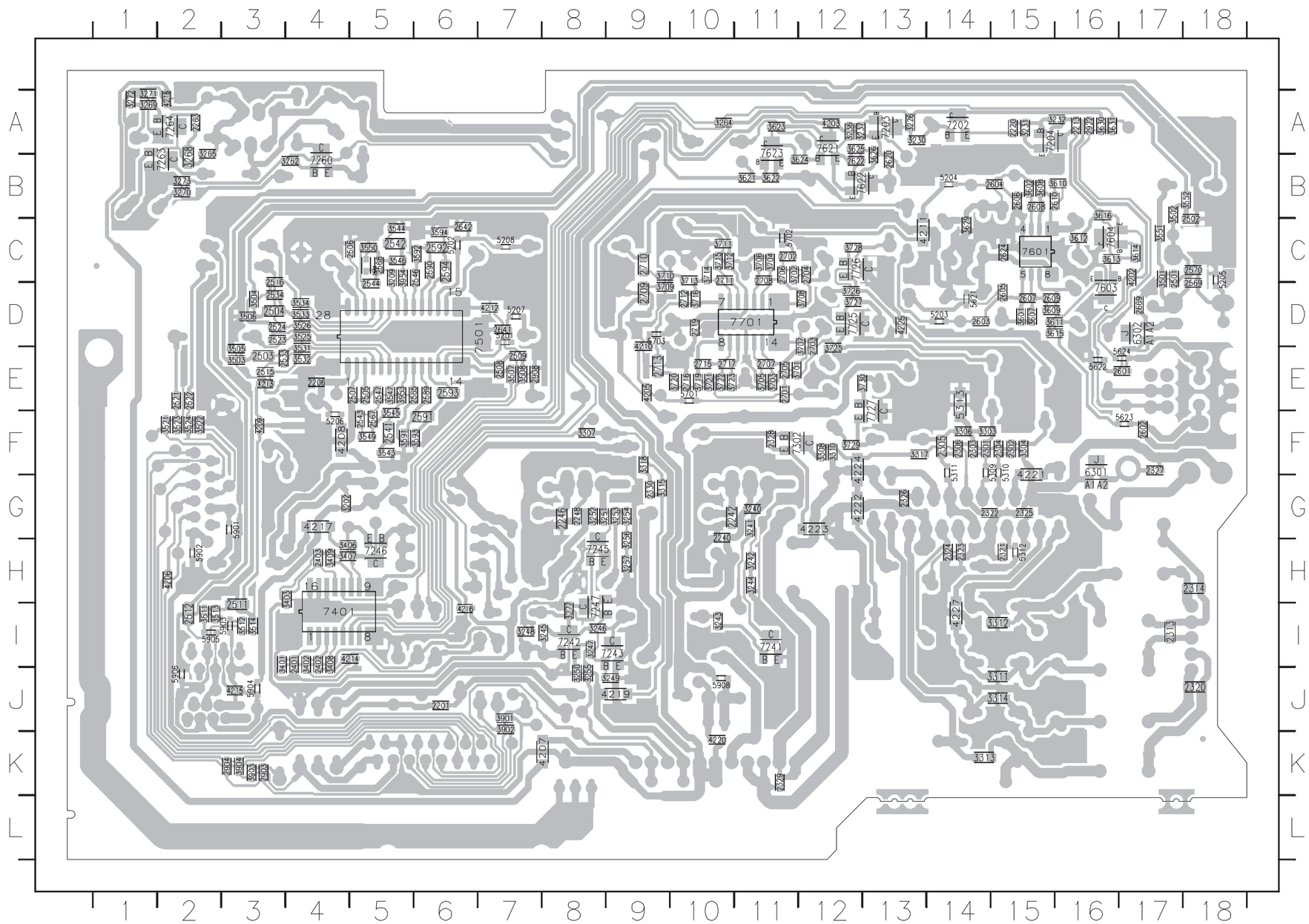
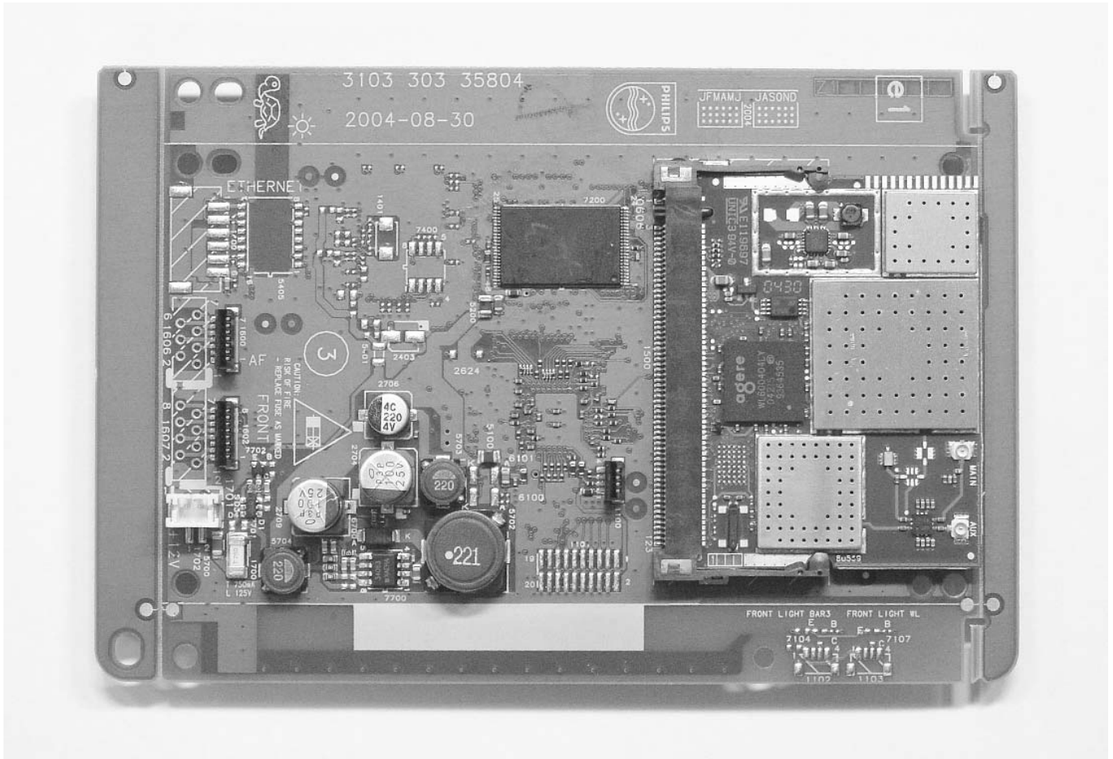
AF & AMP BOARD - Layout Diagram (side A)



2201 J6
2206 E4
2213 A16
2220 A15
2240 G10
2242 G10
2246 G8
2248 G8
2263 A2
2301 F14
2302 F15
2303 F14
2304 F15
2305 F14
2306 F14
2313 I17
2314 H18
2320 J18
2321 H15
2322 G14
2323 H14
2324 H14
2325 G15
2326 G13
2327 F17
2328 F11
2329 K11
2330 G9
2401 I4
2402 I4
2403 H4
2501 C17
2502 C18
2503 E3
2504 D3
2505 E5
2506 C5
2507 E5
2508 E7
2509 E7
2511 I3
2512 I2
2515 E3
2516 C3
2521 E2
2522 E2
2523 D3
2524 D3
2533 E3
2534 D3
2541 F5
2542 C5
2543 F5
2544 D5
2546 C6
2547 E5
2548 C5
2565 E5
2567 F5
2568 C5
2569 D18
2570 C18
2589 E6
2590 C6
2591 F6
2592 C6
2593 E6
2594 C6
2601 E17
2602 F17
2603 D14
2604 B15
2605 D15
2606 B15
2607 D15
2608 B15
2609 D15
2610 B15
2620 B13
2622 B12
2624 C15
2641 D7
2642 C6
2669 D17
2701 E11
2702 C11
2703 D12
2704 C12
2705 E11
2706 C11
2707 E11
2708 C11
2709 D9
2710 C9
2711 C10
2712 D10
2713 E9
2715 E10
2716 E10
2717 E10
2719 D10
2903 K3
2904 K3
2908 E7
2922 A16
3202 G4
3209 C5
3226 A13
3230 A13
3231 A15
3232 A16
3236 A12
3237 A12
3240 G11
3241 G11
3242 H11
3243 I10
3244 H11
3245 I8
3246 I8
3247 I8
3248 I7
3249 J9
3250 J8
3251 G8
3252 G8
3253 G9
3254 G9
3255 J8
3256 H9
3257 H9
3262 B4
3264 A10
3265 A2
3268 B2
3269 A1
3270 B2
3271 A1
3272 A1
3273 B2
3277 I8
3303 F14
3304 F15
3306 F14
3307 F8
3308 F12
3310 F12
3311 J15
3312 I15
3313 K14
3314 J15
3315 G9
3317 F13
3318 F9
3401 I3
3402 I4
3403 H4
3406 H4
3407 H4
3408 I4
3409 H4
3501 C17
3502 B17
3503 E3
3504 D3
3505 E3
3506 D3
3507 E7
3508 E7
3511 I2
3512 I3
3513 I2
3514 I3
3521 F2
3522 F2
3523 F2
3524 F2
3525 D4
3526 D4
3531 E4
3532 E4
3533 D4
3534 D4
3543 F5
3544 C5
3545 F5
3546 C5
3547 E5
3549 F5
3550 C5
3551 C17
3552 B18
3591 F5
3592 C6
3593 F6
3594 C6
3601 D15
3602 B15
3607 D15
3608 B15
3609 D15
3610 B16
3611 D15
3612 B16
3613 C16
3614 C17
3615 D15
3616 B16
3621 B11
3622 B11
3623 A11
3624 B12
3625 A12
3626 B13
3629 C14
3630 A16
3631 A16
3701 E11
3702 C11
3703 E11
3704 C11
3705 E11
3706 C11
3707 D12
3708 D12
3709 D9
3710 C9
3711 C10
3712 C10
3713 C10
3714 C10
3715 C10
3716 D10
3719 E10
3720 E10
3721 E10
3722 E10
3723 E10
3725 E12
3726 D12
3727 D12
3728 C12
3729 F12
3730 E12
3901 J7
3902 J7
3903 K3
3904 K3
3953 E5
3954 C5
4202 C17
4203 A12
4205 E9
4206 H2
4207 K8
4208 F4
4209 F3
4210 D9
4211 C13
4212 D7
4213 E3
4214 I5
4215 J3
4216 I6
4217 G4
4219 A2
4220 J9
4221 K10
4222 F15
4223 G12
4224 F12
4227 I14
5201 D7
5202 C6
5203 D14
5204 B14
5205 C18
5206 F4
5207 D7
5208 C7
5309 F15
5310 F15
5311 F14
5312 H15
5313 E14
5621 D14
5622 E16
5623 F17
5624 E17
5701 E10
5702 C11
5703 D9
5901 G3
5902 H2
5903 I3
5904 J3
5905 I2
5906 J2
5908 J10
6301 F16
6302 D17
7202 A14
7203 A13
7204 A15
7241 I11
7242 I8
7243 I9
7245 H8
7246 H5
7247 I8
7260 B4
7263 B2
7264 A2
7302 F11
7401 I4
7501 D7
7601 C15
7603 D16
7604 C16
7621 A12
7622 B12
7623 A11
7701 D11
7725 D12
7726 C12
7727 F13

10- 1



WESSLI-3 MODULE

This module can only be repaaired on component level
at authorized partnership service workshop

In case of defects please replace the entire board resp. the WiFi Card.

3103 308 68251 .....WESSLI-3 Printed Board Assembly

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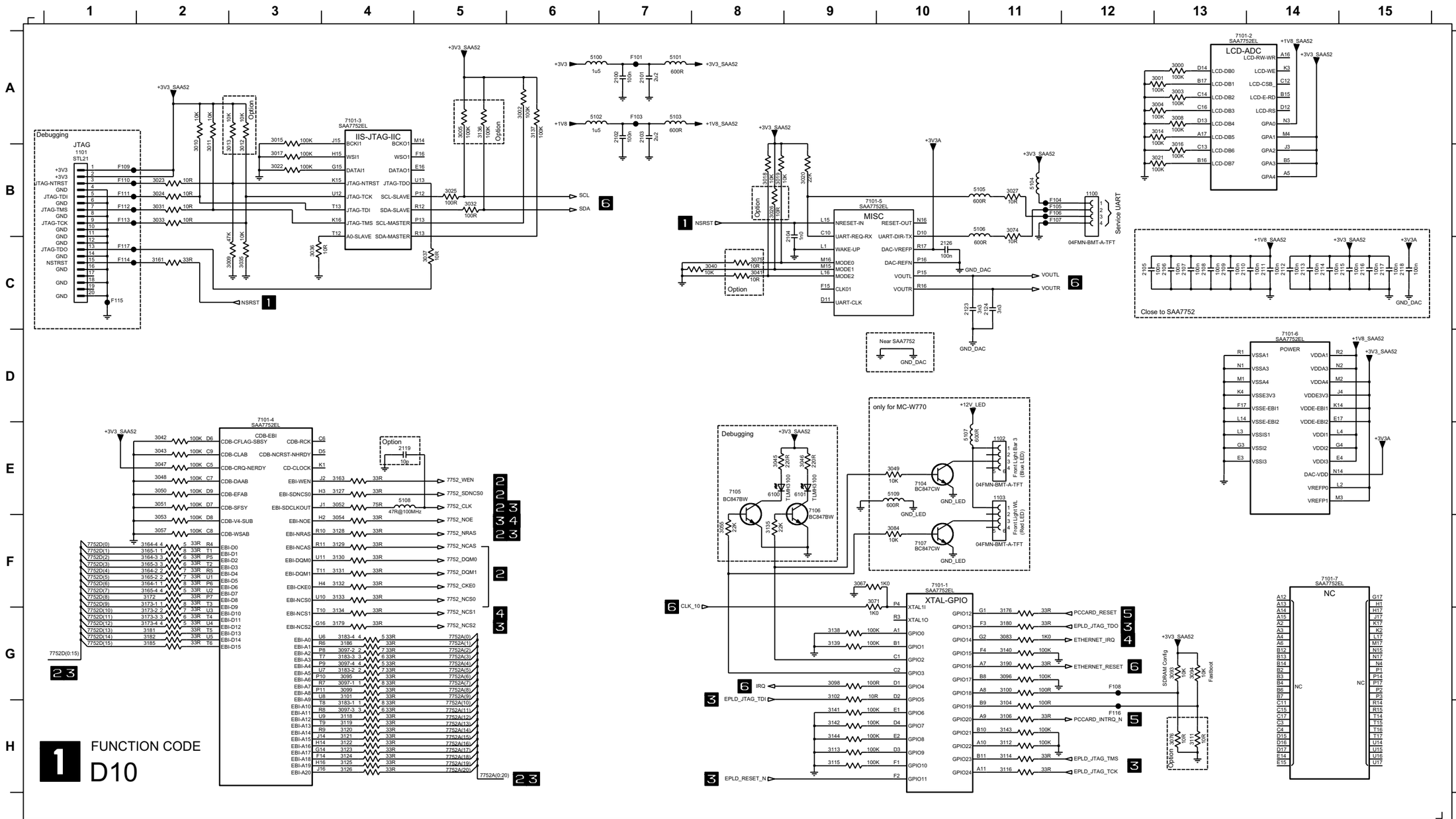
CIRCUIT DIAGRAM - Part 1

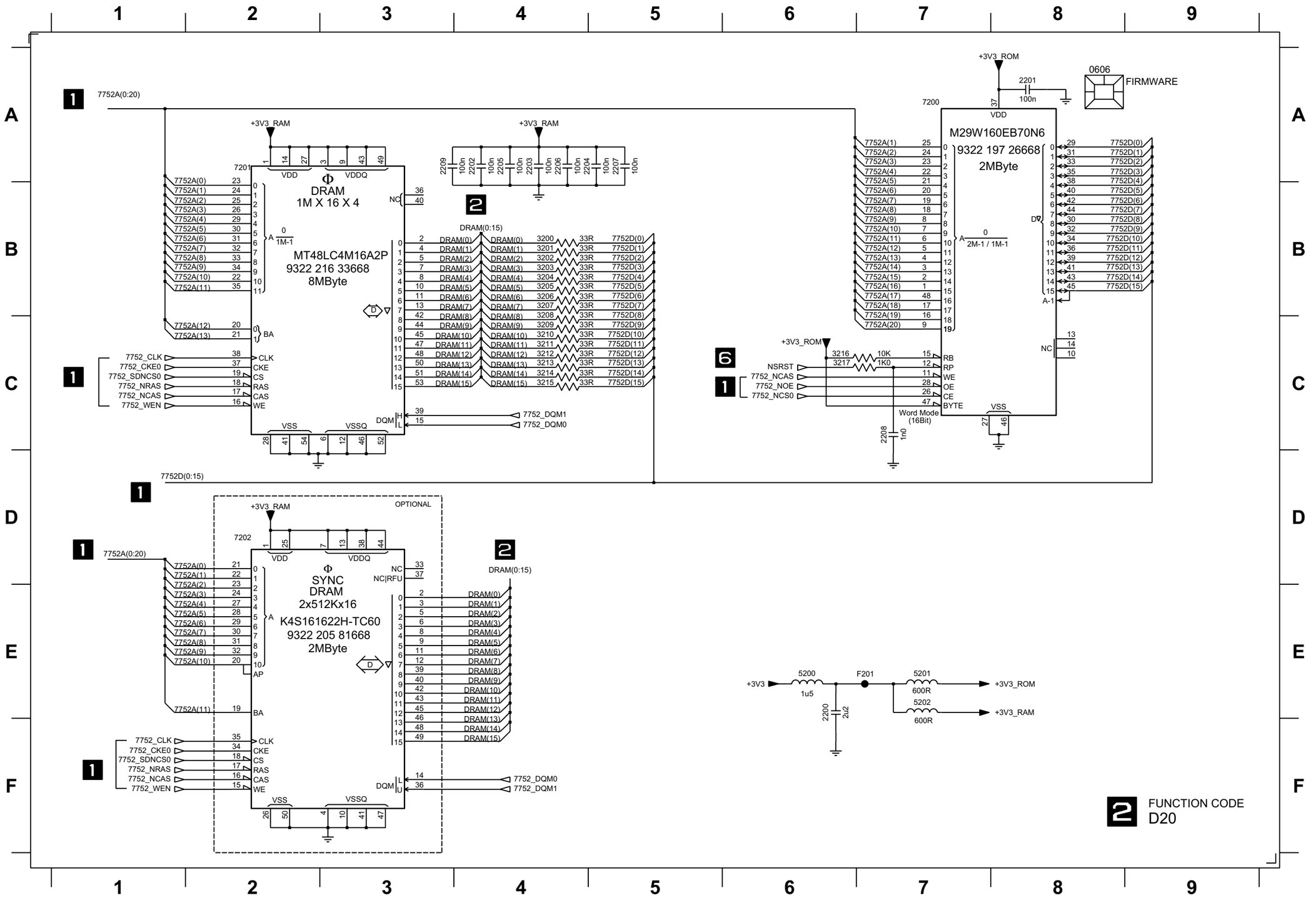
1100 B12	2103 A7	2110 C13	2117 C15	3001 A13	3010 B2	3017 B3	3024 B2	3035 C3	3045 E8	3052 E4	3074 B11	3095 G4	3099 G4	3112 H11	3120 H4	3127 E4	3134 G4	3141 H9	3164-2 F2	3172 F2	3180 G11	3185 G2	5104 B11	6101 E9	7101-7 F14	F104 B11	F111 B1
1101 B1	2104 B9	2111 C14	2118 C15	3002 A6	3011 B2	3018 B8	3025 B5	3036 C3	3046 E9	3053 F2	3075 C8	3096 G11	3100 G11	3113 H9	3121 H4	3128 F4	3135 F8	3142 H9	3164-3 F2	3173-1 F2	3181 G2	3186 G4	5105 B11	7101-1 F10	7104 E10	F105 B11	F112 B1
1102 E11	2105 C12	2112 C14	2119 E4	3003 A13	3012 B3	3019 B8	3026 B8	3037 C5	3047 E2	3054 F4	3076 H13	3097-1 G4	3101 G4	3114 H11	3122 H4	3129 F4	3136 A5	3143 H11	3164-4 F2	3173-2 G2	3182 G2	3190 G11	5106 B11	7101-2 A13	7105 E8	F106 B11	F113 B1
1103 E11	2106 C13	2113 C14	2123 C10	3004 A13	3013 B3	3020 B9	3027 B11	3040 C8	3048 E2	3055 F8	3083 G11	3097-2 G4	3102 G9	3115 H9	3123 H4	3130 F4	3137 A6	3144 H9	3165-1 F2	3173-3 G2	3183-1 H4	5100 A6	5107 E10	7101-3 A4	7106 E9	F107 B11	F114 C1
2100 A7	2107 C13	2114 C14	2124 C11	3005 A5	3014 A13	3021 B13	3031 B2	3041 C8	3049 E10	3057 F2	3084 F10	3097-3 H4	3104 H11	3116 H11	3124 H4	3131 F4	3138 G9	3161 C2	3165-2 F2	3173-4 G2	3183-2 G4	5101 A7	5108 E4	7101-4 D3	7107 F10	F108 G12	F115 C1
2101 A7	2108 C13	2115 C15	2126 C10	3008 A13	3015 A3	3022 B3	3032 B5	3042 E2	3050 E2	3067 F9	3093 G13	3097-4 G4	3106 H11	3118 H4	3125 H4	3132 F4	3139 G9	3163 E4	3165-3 F2	3176 G11	3183-3 G4	5102 A6	5109 E10	7101-5 B9	F101 A7	F109 B1	F116 H12
2102 A7	2109 C13	2116 C15	3000 A13	3009 C3	3016 B13	3023 B2	3033 B2	3043 E2	3051 E2	3071 F9	3094 G13	3098 G9	3111 H13	3119 H4	3126 H4	3133 F4	3140 G11	3164-1 F2	3165-4 F2	3179 G4	3183-4 G4	5103 A7	6100 E8	7101-6 D14	F103 A7	F110 B1	F117 C1



10 - 3

CIRCUIT DIAGRAM - Part 2

0606 A8
2200 E6
2201 A8
2202 A4
2203 A4
2204 A5
2205 A4
2206 A4
2207 A5
2208 C7
2209 A3
3200 B4
3201 B4
3202 B4
3203 B4
3204 B4
3205 B4
3206 B4
3207 B4
3208 C4
3209 C4
3210 C4
3211 C4
3212 C4
3213 C4
3214 C4
3215 C4
3216 C6
3217 C6
5200 E6
5201 E7
5202 E7
7200 A7
7201 A2
7202 D2
F201 E7



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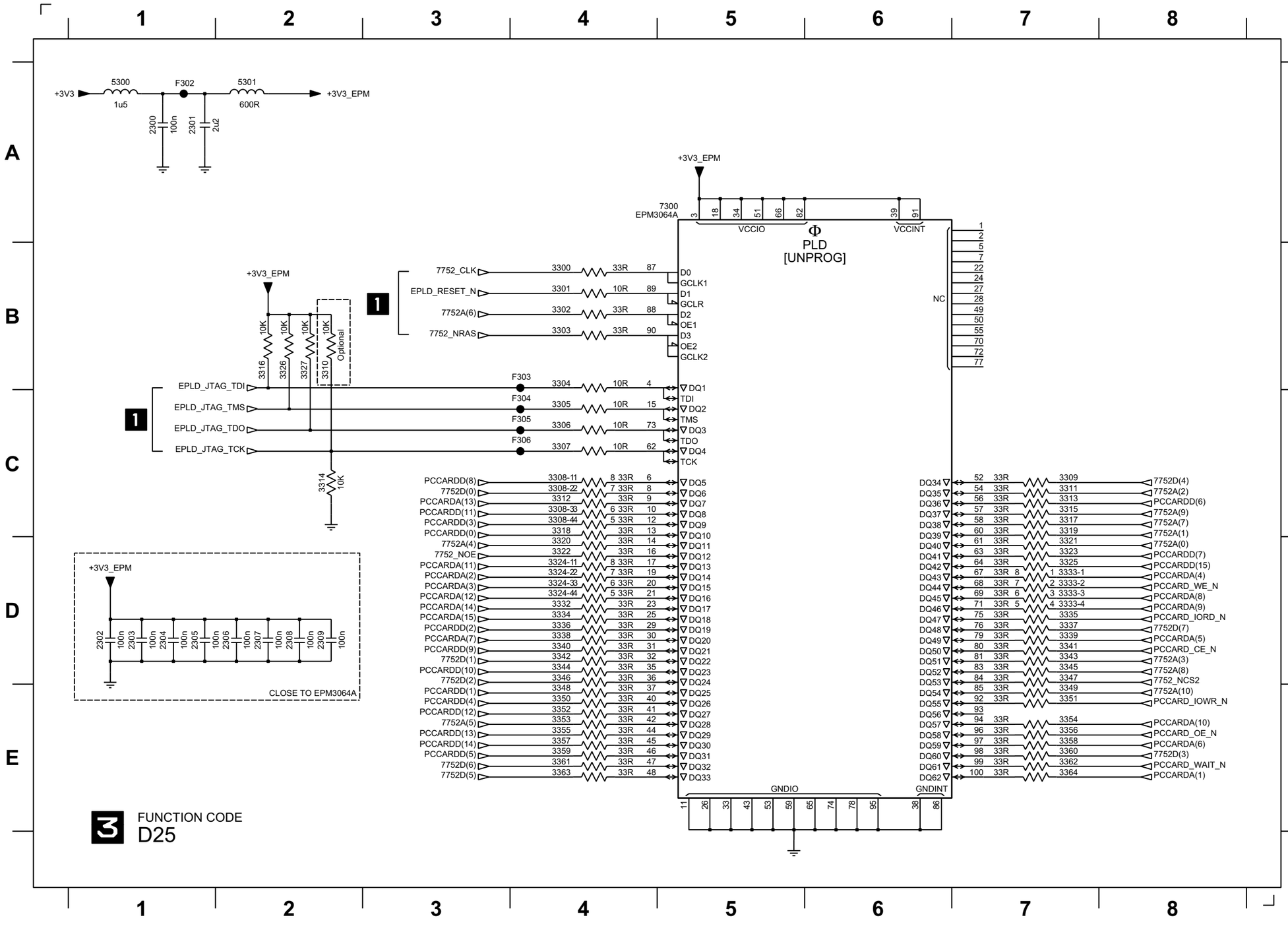
CIRCUIT DIAGRAM - Part 3



2300 A1	3354 E7
2301 A1	3355 E4
2302 D1	3356 E7
2303 D1	3357 E4
2304 D1	3358 E7
2305 D1	3359 E4
2306 D2	3360 E7
2307 D2	3361 E4
2308 D2	3362 E7
2309 D2	3363 E4
3300 B4	3364 E7
3301 B4	5300 A1
3302 B4	5301 A2
3303 B4	7300 A5
3304 B4	F302 A1
3305 C4	F303 B4
3306 C4	F304 C4
3307 C4	F305 C4
3308-1 C4	F306 C4
3308-2 C4	
3308-3 C4	
3308-4 C4	
3309 C7	
3310 B2	
3311 C7	
3312 C4	
3313 C7	
3314 C2	
3315 C7	
3316 B2	
3317 C7	
3318 C4	
3319 C7	
3320 D4	
3321 D7	
3322 D4	
3323 D7	
3324-1 D4	
3324-2 D4	
3324-3 D4	
3324-4 D4	
3325 D7	
3326 B2	
3327 B2	
3332 D4	
3333-1 D7	
3333-2 D7	
3333-3 D7	
3333-4 D7	
3334 D4	
3335 D7	
3336 D4	
3337 D7	
3338 D4	
3339 D7	
3340 D4	
3341 D7	
3342 D4	
3343 D7	
3344 D4	
3345 D7	
3346 D4	
3347 D7	
3348 E4	
3349 E7	
3350 E4	
3351 E7	
3352 E4	
3353 E4	

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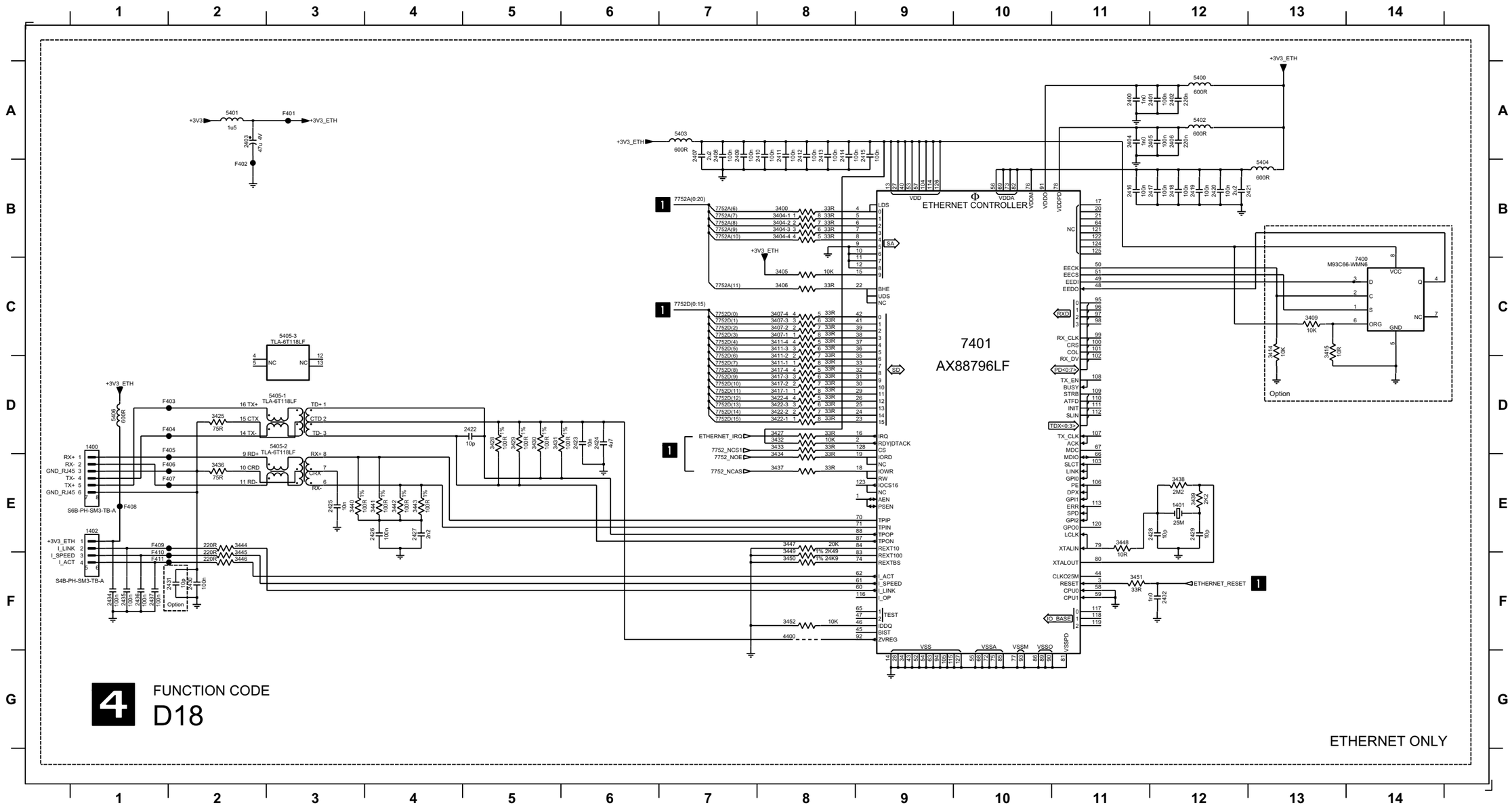
CIRCUIT DIAGRAM - Part 4

1400 D1	2402 A12	2407 A7	2412 A8	2417 B12	2422 D5	2427 E4	2432 F12	3400 B8	3405 C8	3407-4 C8	3411-4 C8	3417-3 D8	3422-4 D8	3430 D5	3436 E2	3441 E4	3446 E2	3451 F11	5402 A12	5405-3 C3	F402 B2	F407 E2
1401 E12	2403 A2	2408 A7	2413 A8	2418 B12	2423 D6	2428 E12	2434 F1	3404-1 B8	3406 C8	3409 C13	3414 C13	3417-4 D8	3425 D2	3431 D5	3437 E8	3442 E4	3447 E8	3452 F8	5403 A7	5406 D1	F403 D2	F408 E1
1402 E1	2404 A11	2409 A7	2414 A8	2419 B12	2424 D6	2429 E12	2435 F1	3404-2 B8	3407-1 C8	3411-1 D8	3415 C13	3422-1 D8	3427 D8	3432 D8	3438 E12	3443 E4	3448 E11	4400 F8	5404 B13	7400 C14	F404 D2	F409 E1
2400 A11	2405 A12	2410 A8	2415 A9	2420 B12	2425 E3	2430 F2	2436 F1	3404-3 B8	3407-2 C8	3411-2 D8	3417-1 D8	3422-2 D8	3428 D5	3433 D8	3439 E12	3444 E2	3449 E8	5400 A12	5405-1 D3	7401 C10	F405 D2	F410 E1
2401 A12	2406 A12	2411 A8	2416 B11	2421 B12	2426 E4	2431 F2	2437 F1	3404-4 B8	3407-3 C8	3411-3 C8	3417-2 D8	3422-3 D8	3429 D5	3434 E8	3440 E3	3445 E2	3450 F8	5401 A2	5405-2 D3	F401 A3	F406 E2	F411 E1



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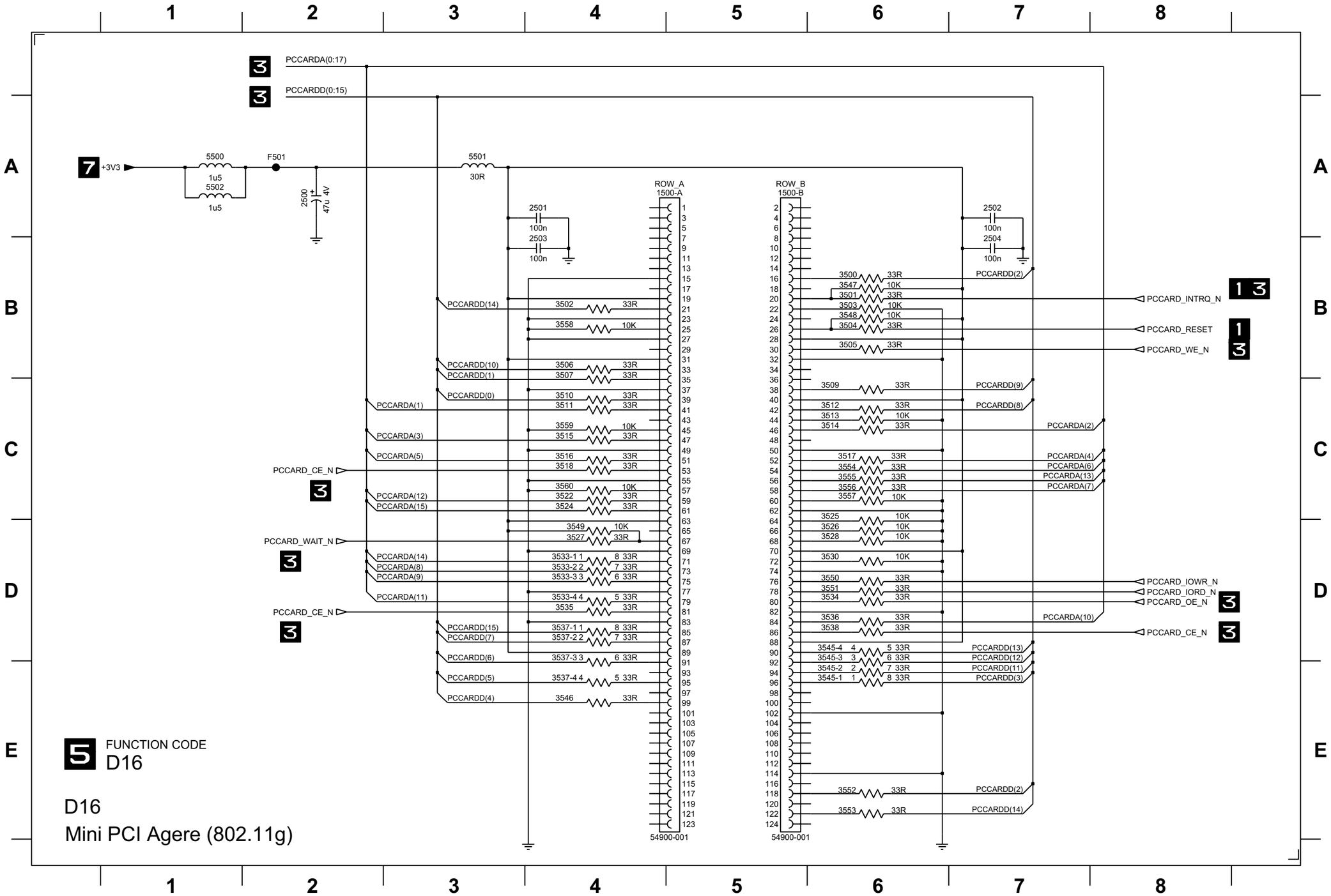
CIRCUIT DIAGRAM - Part 5



1500-A A5
1500-B A5
2500 A2
2501 A4
2502 A7
2503 B4
2504 B7
3500 B6
3501 B6
3502 B4
3503 B6
3504 B6
3505 B6
3506 B4
3507 B4
3509 C6
3510 C4
3511 C4
3512 C6
3513 C6
3514 C6
3515 C4
3516 C4
3517 C6
3518 C4
3522 C4
3524 C4
3525 C6
3526 D6
3527 D4
3528 D6
3530 D6
3533-1 D4
3533-2 D4
3533-3 D4
3533-4 D4
3534 D6
3535 D4
3536 D6
3537-1 D4
3537-2 D4
3537-3 D4
3537-4 E4
3538 D6
3545-1 E6
3545-2 E6
3545-3 D6
3545-4 D6
3546 E4
3547 B6
3548 B6
3549 D4
3550 D6
3551 D6
3552 E6
3553 E6
3554 C6
3555 C6
3556 C6
3557 C6
3558 B4
3559 C4
3560 C4
5500 A1
5501 A3
5502 A1
F501 A2

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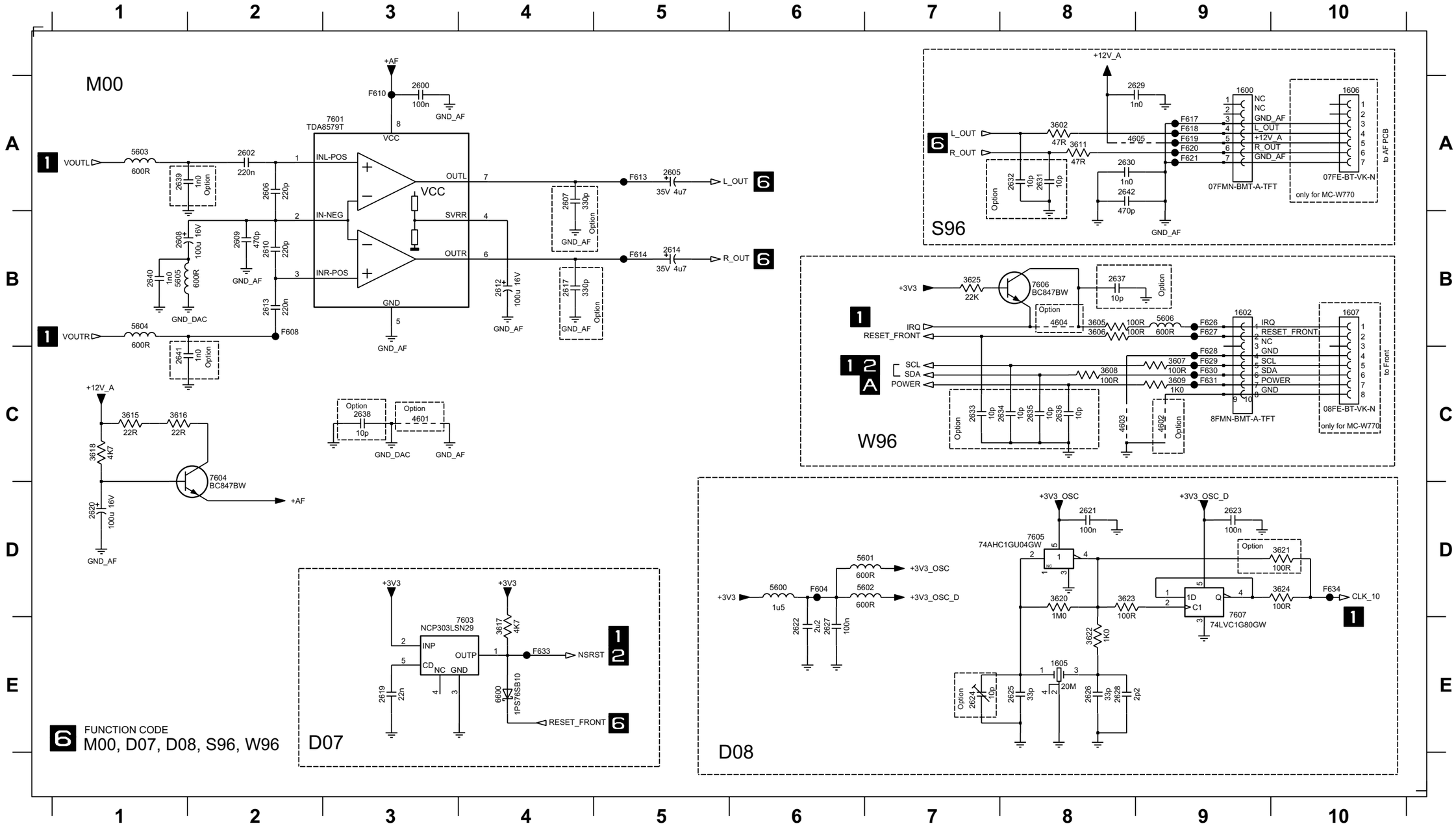
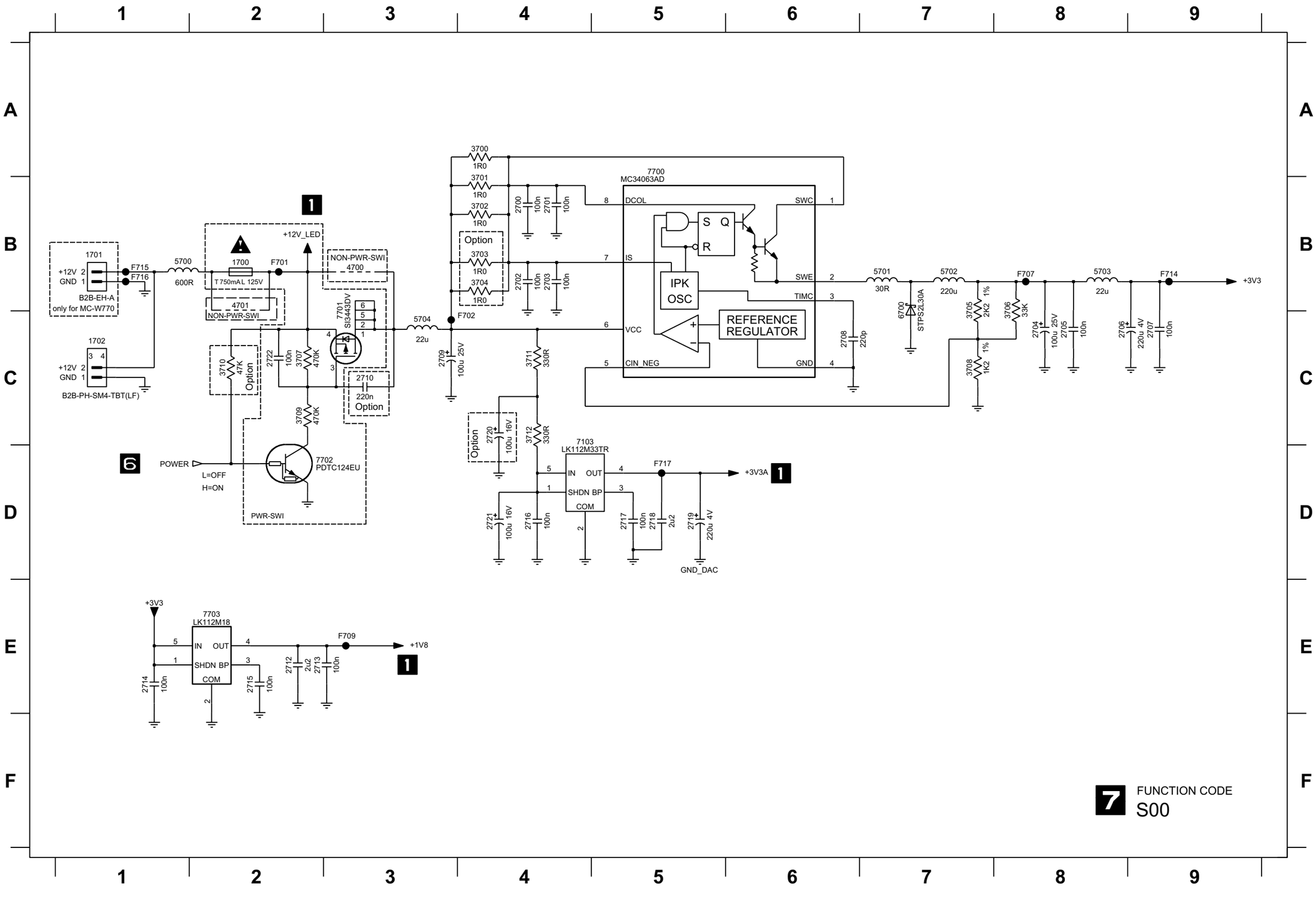
CIRCUIT DIAGRAM - Part 6

1600 A9	1607 B10	2606 A2	2610 B2	2617 B4	2622 E6	2626 E8	2630 A8	2634 C8	2638 C3	2642 A8	3607 C9	3615 C1	3620 D8	3624 D10	4603 C8	5601 D7	5605 B1	7603 E4	7607 E9	F613 A5	F619 A9	F627 B9	F631 C9
1602 B9	2600 A3	2607 A4	2612 B4	2619 E3	2623 D9	2627 E6	2631 A8	2635 C8	2639 A1	3602 A8	3608 C8	3616 C1	3621 D10	3625 B7	4604 B8	5602 D7	5606 B9	7604 C2	F604 D6	F614 B5	F620 A9	F628 C9	F633 E4
1605 E8	2602 A2	2608 B1	2613 B2	2620 D1	2624 E7	2628 E8	2632 A8	2636 C8	2640 B1	3605 B8	3609 C9	3617 E4	3622 E8	4601 C3	4605 A9	5603 A1	6600 E4	7605 D8	F608 B2	F617 A9	F621 A9	F629 C9	F634 D10
1606 A10	2605 A5	2609 B2	2614 B5	2621 D8	2625 E8	2629 A9	2633 C7	2637 B8	2641 C1	3606 B8	3611 A8	3618 C1	3623 D8	4602 C9	5600 D6	5604 B1	7601 A3	7606 B8	F610 A3	F618 A9	F626 B9	F630 C9	



10 - 8

CIRCUIT DIAGRAM - Part 7



1700 B2
1701 B1
1702 C1
2700 B4
2701 B4
2702 B4
2703 B4
2704 C8
2705 C8
2706 C8
2707 C9
2708 C6
2709 C3
2710 C3
2712 E2
2713 E2
2714 E1
2715 E2
2716 D4
2717 D5
2718 D5
2719 D5
2720 C4
2721 D4
2722 C2
3700 A4
3701 B4
3702 B4
3703 B4
3704 B4
3705 B7
3706 B8
3707 C2
3708 C7
3709 C2
3710 C2
3711 C4
3712 C4
4700 B3
4701 B2
5700 B1
5701 B7
5702 B7
5703 B8
5704 C3
6700 B7
7103 C4
7700 A5
7701 C3
7702 D2
7703 E2
F701 B2
F702 C4
F707 B8
F709 E3
F714 B9
F715 B1
F716 B1
F717 D5

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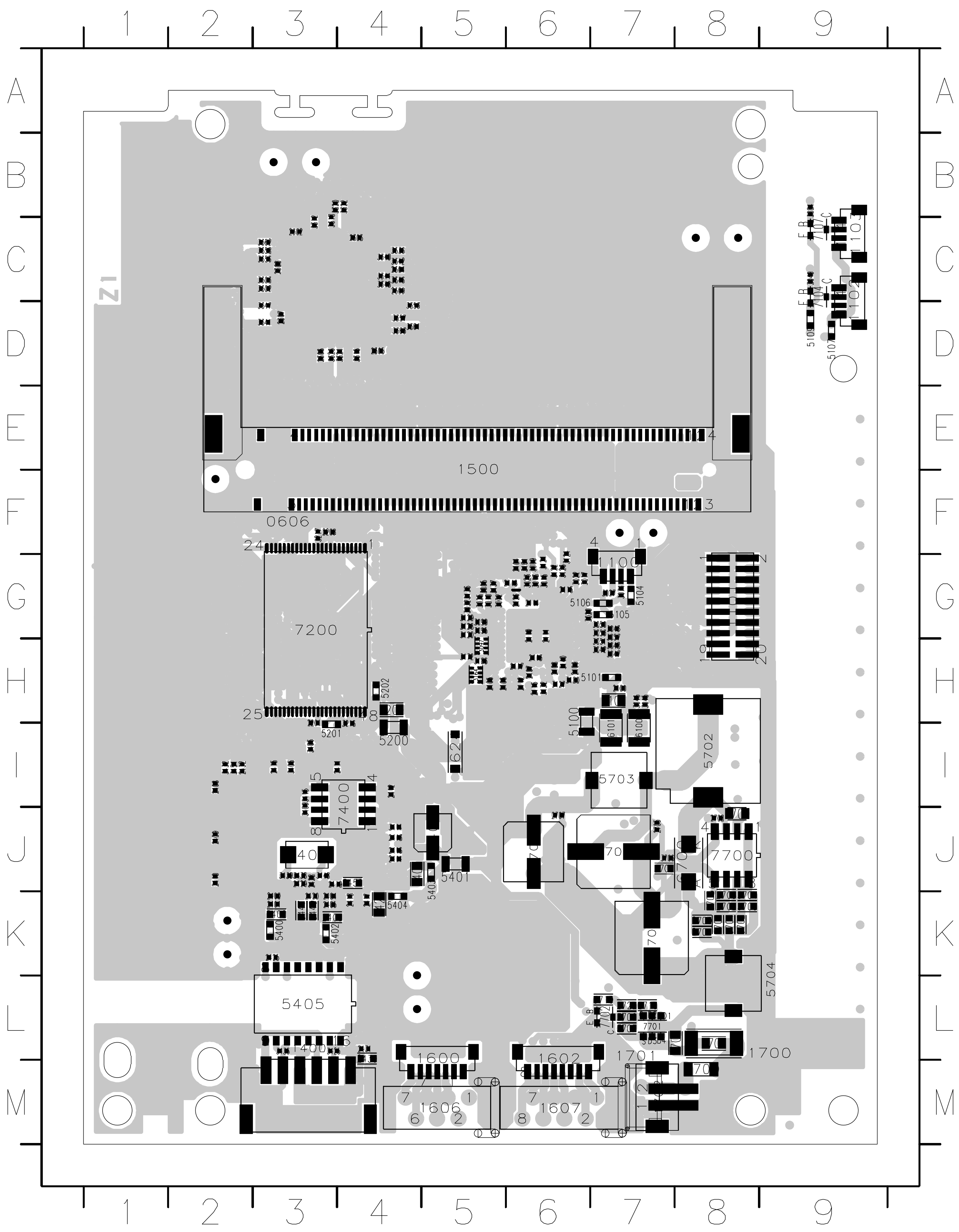
LAYOUT DIAGRAM - side A



0606	F3	3013	G6	3706	J7
1100	G7	3015	G6	3707	L7
1101	G8	3017	G6	3708	K8
1102	C9	3020	G6	3709	L7
1103	C9	3022	G6	3710	L7
1400	L3	3023	G6	4700	L8
1401	J3	3025	G5	4701	L8
1500	E5	3027	G7	5100	H6
1600	L5	3032	G5	5101	H7
1602	L6	3042	H7	5104	G7
1606	M5	3043	G7	5105	G7
1607	M6	3045	H7	5106	G6
1700	L9	3046	H7	5107	D9
1701	L7	3047	H7	5109	D9
1702	M7	3048	H7	5200	I4
2100	H7	3049	C9	5201	I3
2101	H7	3050	G7	5202	H4
2104	G6	3051	H7	5400	K3
2105	H5	3053	G7	5401	J5
2106	H5	3057	G7	5402	K3
2107	H6	3074	G7	5403	J5
2108	H6	3084	B9	5404	K4
2109	H6	3095	G5	5405	L3
2110	G6	3097	H5	5700	M8
2111	G6	3099	G5	5701	J8
2112	H6	3120	G5	5702	I8
2113	H6	3121	G6	5703	I7
2114	G6	3122	G6	5704	L9
2115	G6	3123	G6	6100	I7
2116	H6	3124	G6	6101	I7
2117	H6	3127	H6	6700	J8
2118	G6	3128	G5	7104	C9
2126	G6	3129	G5	7107	C9
2200	H4	3132	H6	7200	G3
2201	I3	3136	G5	7400	I4
2208	F3	3137	G5	7700	J8
2302	C3	3140	H6	7701	L7
2303	C4	3161	G6	7702	L7
2304	C4	3164	H5		
2305	D4	3172	H5		
2306	D3	3180	H6		
2307	D3	3186	H5		
2308	C3	3216	I4		
2309	C4	3217	F3		
2400	K3	3302	C3		
2401	K3	3303	C3		
2402	K3	3312	C3		
2403	J5	3315	D4		
2404	K3	3318	C3		
2405	K3	3320	B3		
2406	K3	3321	D4		
2407	J4	3322	B4		
2408	I2	3323	D3		
2409	J2	3336	C4		
2410	J2	3340	C4		
2411	I4	3341	D3		
2412	I4	3342	C4		
2413	J4	3344	C4		
2414	J4	3346	C4		
2415	I3	3347	D3		
2416	J4	3348	C4		
2417	K4	3353	D4		
2418	K4	3356	C3		
2419	J3	3357	D4		
2420	K3	3358	C3		
2421	K4	3361	D4		
2425	K3	3362	C3		
2428	J3	3363	D4		
2429	J3	3405	I3		
2430	L4	3406	I3		
2431	L4	3409	J3		
2432	I2	3414	J4		
2624	I5	3415	I3		
2700	K8	3425	L3		
2701	K8	3432	I2		
2702	K8	3436	L3		
2703	K8	3438	J3		
2704	J7	3439	J3		
2705	J7	3447	K3		
2706	J6	3448	J3		
2707	J6	3449	K3		
2708	J8	3450	J4		
2709	K7	3451	I2		
2710	L7	3700	K8		
2722	L7	3701	K8		
3002	G5	3702	K8		
3005	G5	3703	K8		
3009	G6	3704	K8		
3010	G5	3705	J7		

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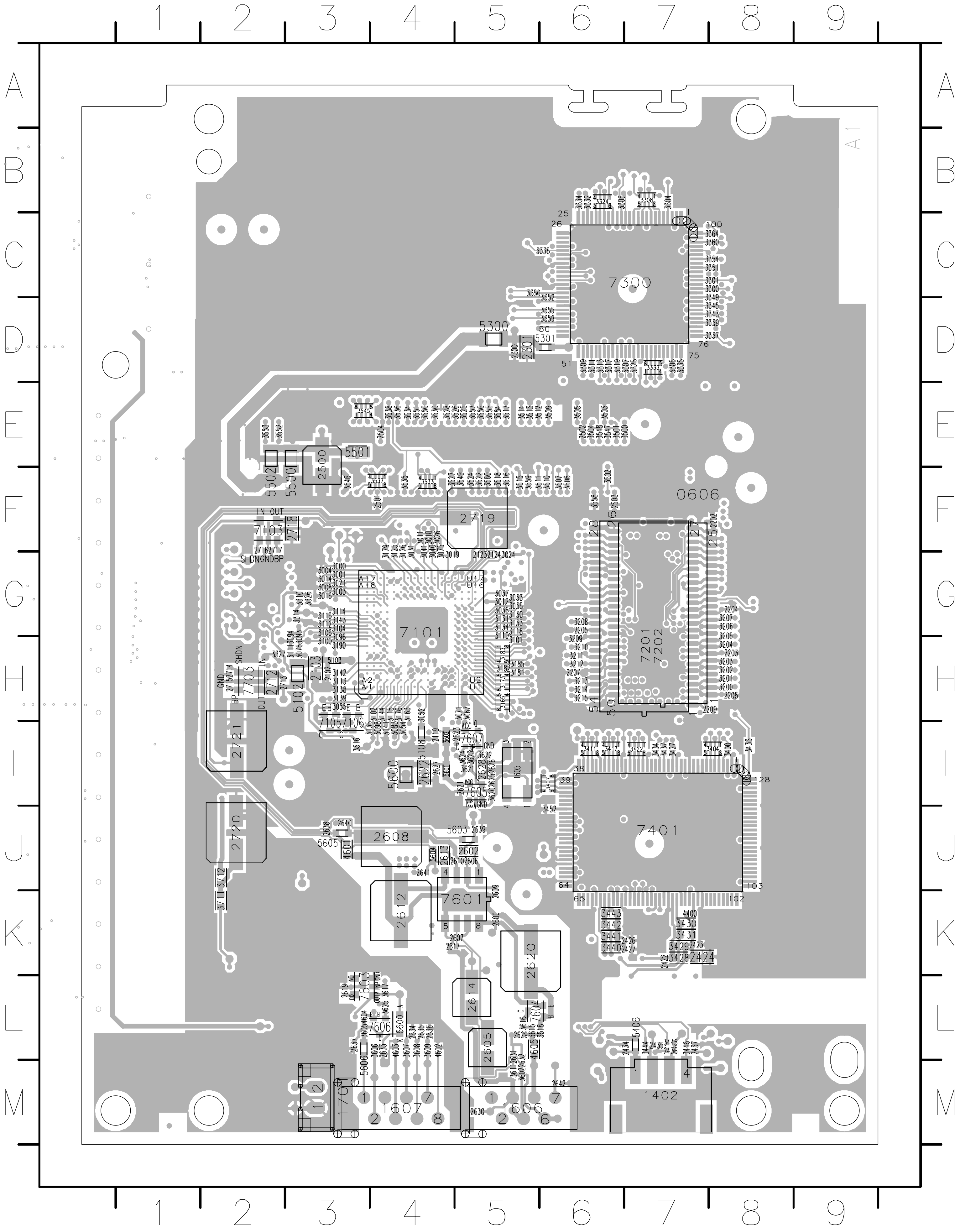
LAYOUT DIAGRAM - side B



1402	M7	3031	G4	3327	H2	3605	L3
1605	I5	3033	G5	3332	B6	3606	L4
2102	H3	3035	G5	3333	D7	3607	L4
2103	H3	3036	G5	3334	B6	3608	L4
2119	I4	3037	G5	3335	D7	3609	L4
2123	G5	3040	G4	3337	D8	3611	M5
2124	G5	3041	G4	3338	C6	3615	L5
2202	F8	3052	H4	3339	D8	3616	L5
2203	H8	3054	I4	3343	D8	3617	L4
2204	G8	3055	H3	3345	D8	3618	L6
2205	G6	3067	H5	3349	C8	3620	I5
2206	H8	3071	H5	3350	C5	3621	I5
2207	H6	3075	G4	3351	C8	3622	I5
2209	H8	3076	H3	3352	C6	3623	I5
2300	D5	3083	I4	3354	C8	3624	I5
2301	D5	3093	H3	3355	D6	3625	L4
2422	K7	3094	H3	3359	D6	3711	K2
2423	K7	3096	H3	3360	C8	3712	J2
2424	K7	3098	I4	3364	C8	4400	K7
2426	K7	3100	H3	3400	I8	4601	J3
2427	K7	3101	H5	3404	I8	4602	L4
2434	L7	3102	H4	3407	I6	4603	L4
2435	L7	3104	G3	3411	I6	4604	L3
2436	L7	3106	G3	3417	I6	4605	L5
2437	L7	3111	H3	3422	I7	5102	H3
2500	E3	3112	G3	3427	I7	5103	H3
2501	F4	3113	H3	3428	K7	5108	I4
2502	E6	3114	G3	3429	K7	5300	D5
2503	F6	3115	H4	3430	K7	5301	D6
2504	E4	3116	G3	3431	K7	5406	L7
2600	K5	3118	G5	3433	I8	5500	F3
2602	J5	3119	G5	3434	I7	5501	E3
2605	L5	3125	G4	3437	I7	5502	F2
2606	J5	3126	G4	3440	K6	5600	I4
2607	K5	3130	G5	3441	K6	5601	I4
2608	J4	3131	G5	3442	K6	5602	I4
2609	K5	3133	G5	3443	K6	5603	J5
2610	J5	3134	G5	3444	L7	5604	J4
2612	K4	3135	I3	3445	L7	5605	J3
2613	J4	3138	H3	3446	L7	5606	M3
2614	L5	3139	H3	3452	J6	6600	L4
2617	K4	3141	I4	3500	E7	7101	G4
2619	L3	3142	H3	3501	E6	7103	F2
2620	K5	3143	G3	3502	F6	7105	I3
2621	I5	3144	H4	3503	E6	7106	I3
2622	I4	3163	H4	3504	E6	7201	H7
2623	I5	3165	H5	3505	E6	7202	H7
2625	I5	3173	H5	3506	F6	7300	C7
2626	I5	3176	H4	3507	F6	7401	J7
2627	I4	3179	G4	3509	E6	7601	K5
2628	I5	3181	H5	3510	F6	7603	L3
2629	L5	3182	H5	3511	F5	7604	L5
2630	M5	3183	H5	3512	E5	7605	I5
2631	L5	3185	H5	3513	E5	7606	L4
2632	M5	3190	H3	3514	E5	7607	I5
2633	L4	3200	H8	3515	F5	7703	H2
2634	L4	3201	H8	3516	F5		
2635	L4	3202	H8	3517	E5		
2636	L4	3203	H8	3518	F5		
2637	L3	3204	H8	3522	F5		
2638	J3	3205	G8	3524	F5		
2639	J5	3206	G8	3525	E5		
2640	J3	3207	G8	3526	E5		
2641	J4	3208	G6	3527	F4		
2642	M6	3209	H6	3528	E4		
2712	H2	3210	H6	3530	E4		
2713	H2	3211	H6	3533	F4		
2714	H2	3212	H6	3534	E4		
2715	H2	3213	H6	3535	F4		
2716	F2	3214	H6	3536	E4		
2717	F2	3215	H6	3537	F4		
2718	F3	3300	C8	3538	E4		
2719	F5	3301	C8	3545	E3		
2720	J2	3304	B7	3546	F3		
2721	I2	3305	B6	3547	E6		
3000	G3	3306	D7	3548	E6		
3001	G3	3307	D7	3549	F5		
3003	G3	3308	B7	3550	E4		
3004	G3	3309	D6	3551	E4		
3008	G3	3310	G3	3552	E2		
3011	F4	3311	D6	3553	E2		
3012	G5	3313	D6	3554	E5		
3014	G3	3314	G3	3555	E5		
3016	G3	3316	I3	3556	E5		
3018	F4	3317	D6	3557	E5		
3019	G4	3319	D6	3558	F6		
3021	G3	3324	B6	3559	F5		
3024	G5	3325	D7	3560	F5		
3026	F4	3326	G3	3602	M5		

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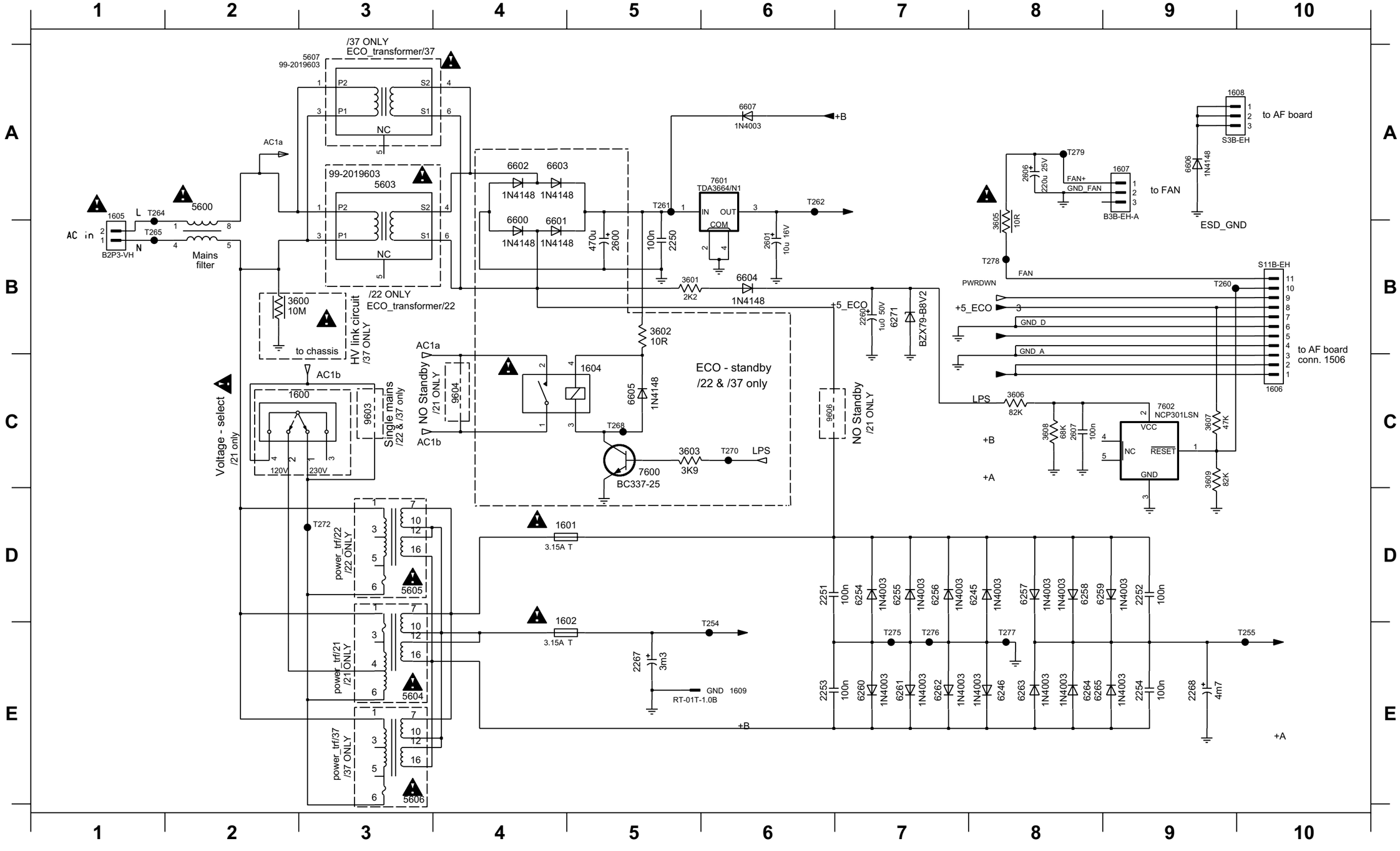
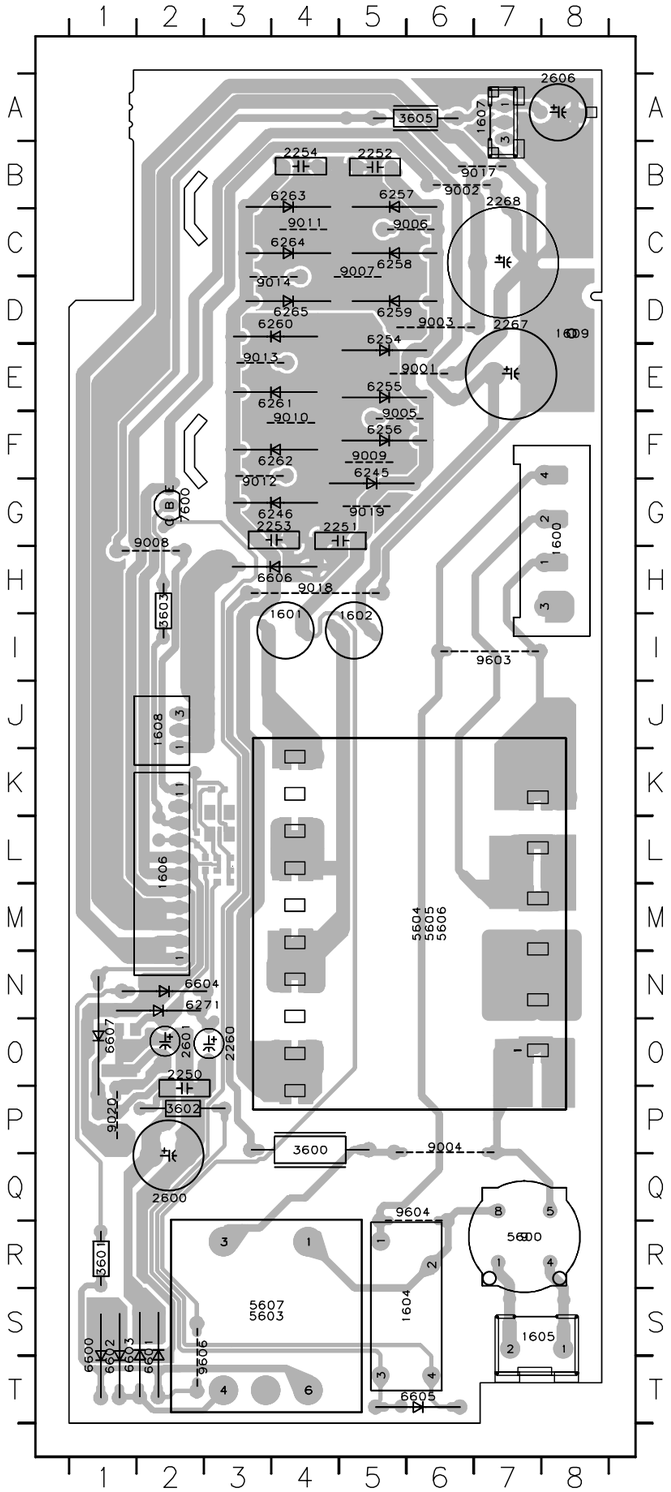
SUPPLY BOARD - Circuit Diagram

1600 C2	1605 A1	1609 E6	2253 E6	2268 E9	2607 C8	3603 C5	3608 C8	5604 E3	6245 D8	6256 D7	6260 E7	6264 E8	6601 B4	6605 C5	7601 A6	9606 C6	T261 A5	T268 C5	T276 E7
1601 D4	1606 C10	2250 B5	2254 E9	2600 B5	3600 B2	3605 B8	3609 C9	5605 D3	6246 E8	6257 D8	6261 E7	6265 E8	6602 A4	6606 A9	7602 C9	T254 E6	T262 A6	T270 C6	T277 E8
1602 E4	1607 A9	2251 D6	2260 B7	2601 B6	3601 B5	3606 C8	5600 A2	5606 E3	6254 D7	6258 D8	6262 E7	6271 B7	6603 A4	6607 A6	9603 C3	T255 E10	T264 A1	T272 D3	T278 B8
1604 C5	1608 A9	2252 D9	2267 E5	2606 A8	3602 B5	3607 C9	5603 A3	5607 A3	6255 D7	6259 D9	6263 E8	6600 B4	6604 B6	7600 C5	9604 C4	T260 B9	T265 B1	T275 E7	T279 A8

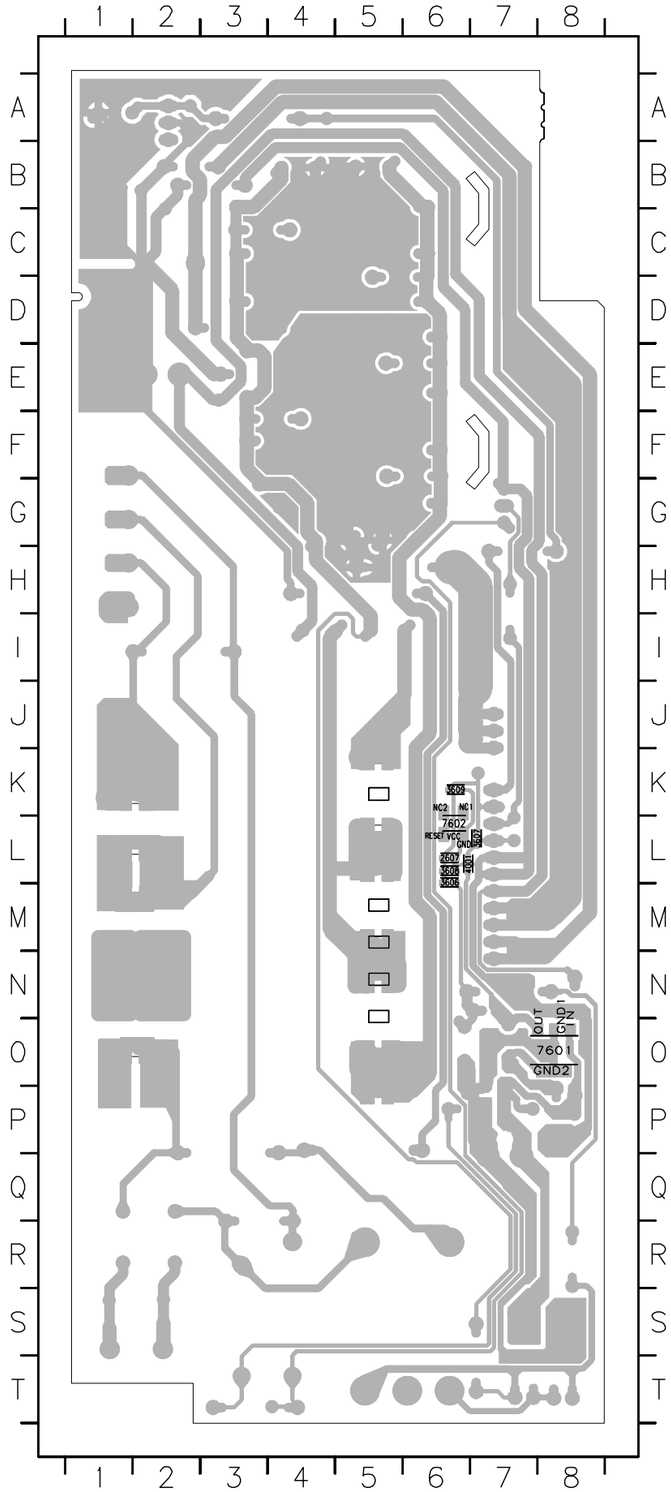


SUPPLY BOARD - Layout Diagram (side A)



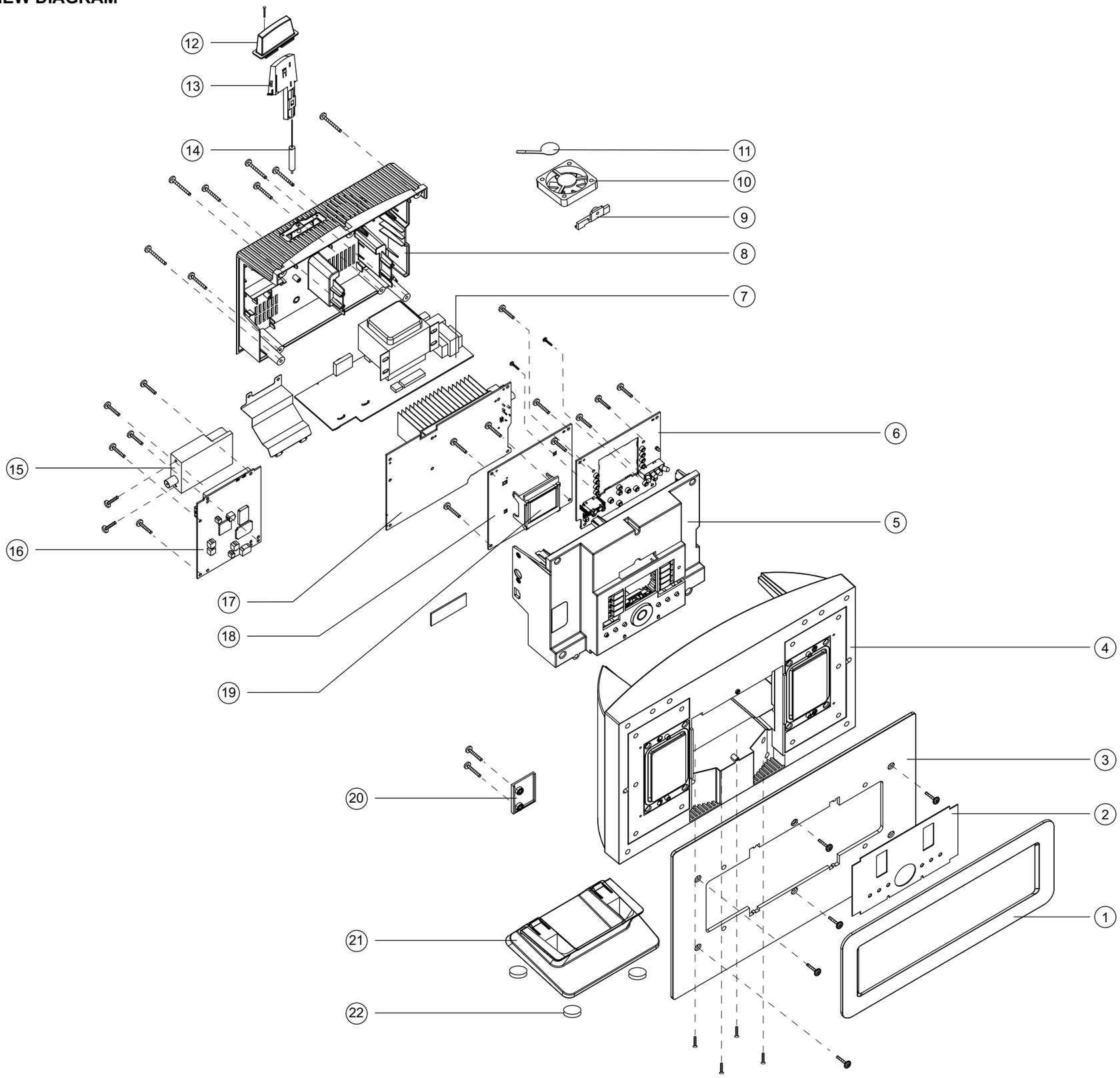
11 - 2

SUPPLY BOARD - Layout Diagram (side B)



12 - 1

EXPLODED VIEW DIAGRAM



ACCESSORIES

2422 076 00687	ANT FM DIP
3139 238 08551	REMOTE ASSY RC1463401/01
3141 070 40321	SCREW WALL FIX WAS700
3141 071 20362	WALL MOUNT BKT WAS700

MECHANICAL PARTS LIST

1	3141 077 50611	PANNEL FRAME PRE-ASSY
2	3141 074 00901	PANEL CENTER
3	3141 074 00884	PANEL FRONT (/22, /05)
3	3141 074 02301	PANEL FRONT (/37)
4	3141 077 50521	SOUND-BOX ASSY
5	3141 077 50661	F-CAB CENTER PRE-ASSY (/22, /05)
5	3141 077 50671	F-CAB CENTER PRE-ASSY (/37)
6	#	PBAS 9 - KEYS
7	#	PBAS 2 - SUPPLY
8	3141 077 50541	CAB REAR CENTER ASSY (/22, /05)
8	3141 077 50641	CAB REAR CENTER ASSY (/37)
10	2822 031 00029	FAN 12VDC
12	3141 074 01693	COVER ANTENNA
13	3141 074 01703	BRACKET ANTENNA
14	3139 118 56981	PCBAS ANTENNA
15	#	MODULE TUNER
16	3103 308 68251	PBAS 9 - WESSLI-3A
17	3141 078 00331	PBAS 5 - AF
18	#	PBAS 4 - FRONT
19	3141 078 70021	LCD MODULE
20	3141 074 01313	COVER-POWER WIRE
21	3141 074 00925	STAND WAS700
22	3141 074 01402	RUBBER FOOT

refer Electrical Parts List

ELECTRICAL PARTSLIST

GENERAL

1008		3139 118 56981	PCBAS ANTENNA
1009	⚠	2422 076 00717	ANT WIFI 2450MHZ 50R
5206	⚠	3141 078 30111	TFM EI-57X35, WAS700/22, /05
5206	⚠	3141 078 30131	TFM EI-57X35, WAS700/37

WIRING

8000		3141 070 20341	FFC FOIL 11P/280/11P AD 1.25
8001		3141 070 20471	FFC FOIL 07P/080/07P AD 1MM
8002		3141 070 20351	FFC FOIL 16P/60/16P AD 1.25
8006		3140 110 20881	FFC FOIL 15P/120/15P AD
8007		3141 070 20481	FFC FOIL 08P/300/08P AD 1MM
8008	⚠	4822 321 11499	MAINSCORD 2.0M (/22)
8008	⚠	2422 070 98236	MAINSCORD UK 5A 1M8 (/05)
8008	⚠	2422 070 98235	MAINSCORD UL 6A 1M8 (/37)
8009		3141 070 20711	CBLE CRC 1P/150/1P CRC F-MF

PBAS 2 - SUPPLY WAS-700

CAPACITORS & RESISTORS

2267		4822 124 40784	3300UF 20% 16V
2268		4822 124 12012	4700UF 20% 25V
3600		4822 053 21106	10M00 5% 0,5W
3605	⚠	4822 052 10109	RST FUSE NFR25 10R PM5

TRANSFORMERS

5600		2422 535 94821	FIL MAINS 400UH 3A 97TS
5607	⚠	3141 078 30161	TFM MAINS 24V/10mA EI28 VDE
5607	⚠	3141 078 30171	TFM MAINS 24V/10mA EI28 USA

DIODES

6245	4822 130 31878	1N4003GP-E3/23
6246	4822 130 31878	1N4003GP-E3/23
6254	4822 130 31878	1N4003GP-E3/23
6255	4822 130 31878	1N4003GP-E3/23
6256	4822 130 31878	1N4003GP-E3/23
6257	4822 130 31878	1N4003GP-E3/23
6258	4822 130 31878	1N4003GP-E3/23
6259	4822 130 31878	1N4003GP-E3/23
6260	4822 130 31878	1N4003GP-E3/23
6261	4822 130 31878	1N4003GP-E3/23
6262	4822 130 31878	1N4003GP-E3/23
6263	4822 130 31878	1N4003GP-E3/23
6264	4822 130 31878	1N4003GP-E3/23
6265	4822 130 31878	1N4003GP-E3/23
6271	4822 130 34382	BZX79-B8V2
6607	4822 130 31878	1N4003GP-E3/23

TRANSISTORS & IC

7600	4822 130 40981	BC337-25
7601	9352 621 95135	IC TDA3664/N1
7602	9322 178 88685	IC NCP301LSN27

PBAS 4 - FRONT

MISCELLANEOUS

1002	2422 543 01027	RES XTL 4MHZ332
1007	4822 242 70938	TA252E00 (32,768KHZ)
1008	2422 540 98526	RES CER 10MHZ CSTS*MG03

INDUCTORS

5001	2422 549 43062	FXD IND 100MHZ 600R
5004	2422 549 44393	IND FXD EMI 100MHZ 2K7
5005	2422 549 43062	FXD IND 100MHZ 600R
5006	2422 549 44393	IND FXD EMI 100MHZ 2K7
5024	2422 549 43062	FXD IND 100MHZ 600R
5025	2422 549 43062	FXD IND 100MHZ 600R
5026	2422 549 43062	FXD IND 100MHZ 600R
5027	2422 549 43062	FXD IND 100MHZ 600R
5028	2422 549 43062	FXD IND 100MHZ 600R
5029	2422 549 43062	FXD IND 100MHZ 600R
5030	2422 549 43062	FXD IND 100MHZ 600R
5031	2422 549 43062	FXD IND 100MHZ 600R
5033	2422 549 43062	FXD IND 100MHZ 600R
5034	2422 549 43062	FXD IND 100MHZ 600R
5035	2422 549 43062	FXD IND 100MHZ 600R
5036	2422 549 44919	FXD IND 100MHZ 600R
5037	2422 549 43062	FXD IND 100MHZ 600R
5038	2422 549 44919	FXD IND 100MHZ 600R
5039	2422 549 43062	FXD IND 100MHZ 600R
5040	2422 549 44393	IND FXD EMI 100MHZ 2K7
5041	2422 549 43062	FXD IND 100MHZ 600R
5042	2422 549 43062	FXD IND 100MHZ 600R
5043	2422 549 44919	FXD IND 100MHZ 600R
5044	2422 549 43062	FXD IND 100MHZ 600R
5045	2422 549 43062	FXD IND 100MHZ 600R
5046	2422 549 43062	FXD IND 100MHZ 600R
5047	2422 549 44919	FXD IND 100MHZ 600R
5049	2422 549 44393	IND FXD EMI 100MHZ 2K7
5050	2422 549 43062	FXD IND 100MHZ 600R
5051	2422 549 43062	FXD IND 100MHZ 600R
5052	2422 549 43062	FXD IND 100MHZ 600R

ELECTRICAL PARTSLIST

PBAS 4 - FRONT

DIODES

6000	4822 130 11397	BAS316
6001	4822 130 11397	BAS316

TRANSISTORS & IC

7001	935040070118	IC SAA6579T/V1
7001	935268605518	IC SAA6581T/V1
7003	4822 130 42615	BC817-40
7004	5322 130 60159	BC846B
7006	3141 070 50121	PRG.FLASH M29W160ET - WAS700
7007	5322 130 60159	BC846B
7008	4822 209 15449	74HC4094D
7009	3141 070 50101	MCU M30626MWP-211FP
7011	9322 178 88685	IC NCP301LSN27
7012	9322 214 44668	IC M24C08-WMN6P
7012	9322 217 06668	IC AT24C08AN-10SJ-2.7
7012	9322 226 90668	IC AT24C08AN-10SU-2.7
7013	5322 130 60159	BC846B
7014	5322 130 60159	BC846B
7016	9322 208 21685	IC LK112M33
7017	5322 130 60159	BC846B

PBAS 9 - KEYS HAC

MISCELLANEOUS

1000	2422 540 98573	RES CER 455KHZ
1025	4822 276 13775	SWITCH, TACT
1048	4822 276 13775	SWITCH, TACT
1049	4822 276 13775	SWITCH, TACT
1050	4822 276 13775	SWITCH, TACT
1051	4822 276 13775	SWITCH, TACT
1052	4822 276 13775	SWITCH, TACT
1053	4822 276 13775	SWITCH, TACT
1054	4822 276 13775	SWITCH, TACT
1055	4822 276 13775	SWITCH, TACT
1056	4822 276 13775	SWITCH, TACT
1057	4822 276 13775	SWITCH, TACT
1058	4822 276 13775	SWITCH, TACT
1059	4822 276 13775	SWITCH, TACT
1060	4822 276 13775	SWITCH, TACT
1061	4822 276 13775	SWITCH, TACT
1062	4822 276 13775	SWITCH, TACT
1063	4822 276 13775	SWITCH, TACT
1064	4822 276 13775	SWITCH, TACT
1065	4822 276 13775	SWITCH, TACT

INDUCTORS

5000	2422 549 43062	IND FXD 100MHZ 600R
5002	4822 157 71206	BLM21A601SPT
5003	2422 549 43062	IND FXD 100MHZ 600R

DIODES

6001	9322 033 20682	LED VS TLHG4405
6003	9322 207 83676	LED IR TSFF5400
6004	9322 207 83676	LED IR TSFF5400
6005	9322 207 83676	LED IR TSFF5400
6006	9322 207 83676	LED IR TSFF5400
6007	9322 147 06676	LED VS LTL-1BEHJ

TRANSISTORS & IC

7000	9322 185 95667	IR RECEIVER TSOP4836
7006	9352 499 60118	IC 74LVC00AD
7010	9322 210 74667	IR RECEIVER TSOP7000

ELECTRICAL PARTSLIST

PBAS 5 - AF HAC

MISCELLANEOUS

1501	4822 265 11529	HEADPHONE SOCKET
1507	4822 265 20553	SOC CINCH H 2P

INDUCTORS

5201	2422 549 43062	IND FXD 100MHZ 600R
5202	2422 549 43062	IND FXD 100MHZ 600R
5203	2422 549 43062	IND FXD 100MHZ 600R
5204	2422 549 43062	IND FXD 100MHZ 600R
5205	2422 549 43062	IND FXD 100MHZ 600R
5206	2422 549 43062	IND FXD 100MHZ 600R
5207	2422 549 44608	IND FXD 100MHZ 1K
5208	2422 549 44608	IND FXD 100MHZ 1K
5309	2422 549 43062	IND FXD 100MHZ 600R
5310	2422 549 43062	IND FXD 100MHZ 600R
5311	2422 549 43062	IND FXD 100MHZ 600R
5312	2422 549 42896	IND FXD 100MHZ 120R
5313	2422 549 44919	IND FXD 100MHZ 600R
5621	2422 549 43062	IND FXD 100MHZ 600R
5622	2422 549 43062	IND FXD 100MHZ 600R
5623	2422 549 43062	IND FXD 100MHZ 600R
5624	2422 549 43062	IND FXD 100MHZ 600R
5701	2422 549 43062	IND FXD 100MHZ 600R
5702	2422 549 43062	IND FXD 100MHZ 600R
5703	2422 549 43062	IND FXD 100MHZ 600R
5901	2422 549 43062	IND FXD 100MHZ 600R
5902	2422 549 43062	IND FXD 100MHZ 600R
5903	2422 549 43062	IND FXD 100MHZ 600R
5904	2422 549 43062	IND FXD 100MHZ 600R
5905	2422 549 43062	IND FXD 100MHZ 600R
5906	2422 549 43062	IND FXD 100MHZ 600R
5908	2422 549 43062	IND FXD 100MHZ 600R

DIODES

6202	4822 130 30862	BZX79-B9V1
6241	4822 130 34281	BZX79-B15
6242	4822 130 34278	BZX79-B6V8
6243	4822 130 34278	BZX79-B6V8
6260	3198 010 53380	DIO REG BZX79-B3V3
6261	4822 130 83206	BZX79-B5V6
6301	5322 130 34331	BAV70
6302	5322 130 34331	BAV70

TRANSISTORS & IC

7240	4822 209 81351	LM317MPTB
7244	4822 209 81351	LM317MPTB
7301	9352 744 72112	IC TDA8947J/N3
7401	4822 209 17345	M62320FP
7501	9322 150 74668	IC TDA7468D
7601	4822 209 31378	NJM4556MB
7701	9965 000 07780	TL084C

ELECTRICAL PARTSLIST

MODULE WESSLI-3A 11G

MISCELLANEOUS

1500		2422 025 17739	CON BM H 124P F MINI-PCI
1605		2422 543 01462	RES XTL SM 20MHZ 20P
1700	⚠	2422 086 11113	FUSE SM T 750MA 125V
		2822 062 00097	WMOD WIFIG MPCI MP-G-AG-01

RESISTORS

3097	2350 033 11339	RST NETW SM 4X 33R PM5
3164	2350 033 11339	RST NETW SM 4X 33R PM5
3165	2350 033 11339	RST NETW SM 4X 33R PM5
3173	2350 033 11339	RST NETW SM 4X 33R PM5
3183	2350 033 11339	RST NETW SM 4X 33R PM5
3308	2350 033 11339	RST NETW SM 4X 33R PM5
3324	2350 033 11339	RST NETW SM 4X 33R PM5
3333	2350 033 11339	RST NETW SM 4X 33R PM5
3533	2350 033 11339	RST NETW SM 4X 33R PM5
3537	2350 033 11339	RST NETW SM 4X 33R PM5
3545	2350 033 11339	RST NETW SM 4X 33R PM5

INDUCTORS

5100	2422 536 00609	IND FXD SM 1U5 PM20
5101	2422 549 43062	IND FXD SM 100MHZ 600R
5102	2422 536 00609	IND FXD SM 1U5 PM20
5103	2422 549 43062	IND FXD SM 100MHZ 600R
5104	2422 549 43062	IND FXD SM 100MHZ 600R
5105	2422 549 43062	IND FXD SM 100MHZ 600R
5106	2422 549 43062	IND FXD SM 100MHZ 600R
5108	2422 549 45589	IND FXD 0603 100MHZ 47R
5200	2422 536 00609	IND FXD SM 1U5 PM20
5201	2422 549 43062	IND FXD SM 100MHZ 600R
5202	2422 549 43062	IND FXD SM 100MHZ 600R
5300	2422 536 00609	IND FXD SM 1U5 PM20
5301	2422 549 43062	IND FXD SM 100MHZ 600R
5500	2422 536 00609	IND FXD SM 1U5 PM20
5501	4822 157 11716	BLM21P300SPT
5502	2422 536 00609	IND FXD SM 1U5 PM20
5600	2422 536 00609	IND FXD SM 1U5 PM20
5601	2422 549 43062	IND FXD SM 100MHZ 600R
5602	2422 549 43062	IND FXD SM 100MHZ 600R
5603	2422 549 43062	IND FXD SM 100MHZ 600R
5604	2422 549 43062	IND FXD SM 100MHZ 600R
5605	2422 549 43062	IND FXD SM 100MHZ 600R
5606	2422 549 43062	IND FXD SM 100MHZ 600R
5700	2422 549 44919	IND FXD SM 100MHZ 600R
5701	4822 157 11716	BLM21P300SPT
5702	2422 536 00823	IND FXD SM 220U PM20
5703	2422 536 00392	IND FXD SM 22U PM20
5704	2422 536 00392	IND FXD SM 22U PM20

DIODES

6600	4822 130 11528	1PS76SB10
6700	9322 165 17668	DIO REC SM STPS2L30A

TRANSISTORS & IC

7101	9352 777 76557	IC SAA7352EL/N103
7103	9322 208 21685	IC LK112M33
7200	9322 148 29668	IC AM29LV160DB-90ED
7200	9322 197 26668	IC M29W160EB70N6F
7201	9322 166 67668	IC MT48LC4M16A2TG-7E
7300	9322 223 55671	IC EPM3064ATC100-10N
7601	4822 209 33985	TDA8579T/N1
7603	9322 191 99685	IC NCP303LSN29
7604	3198 010 42310	BC847BW
7605	9352 630 16165	IC 74AHC1GU04GW
7606	3198 010 42310	BC847BW
7607	9352 686 76125	IC 74LVC1G80GW
7700	5322 209 90529	MC34063AD
7701	9322 140 10685	FET POW SI3443DV
7702	4822 130 61553	DTC124EU
7703	9322 196 92685	IC LK112M18

REVISION LIST

Version 1.0 (3141 785 30520)
- Draft release

Version 1.1 (3141 785 30521)
- First release in Audio Website