

Service Service Service



Service Manual

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GB 3103 785 25250

Version 1.0



PHILIPS

TECHNICAL SPECIFICATION

General

Dimensions (incl. sockets & feet) : 184 x 196 x 65mm
 Net weight : 0.8kg

Power supply (via external AC/DC-Adaptor)

Mains voltage (AC) : 98-264V, 50-60Hz
 Power consumption : 17W max., <1W standby

Video playback performance

S/N Luminance : >60dB
 S/N Chrominance AM : >60dB
 S/N Chrominance PM : >60dB
 Bandwidth Luminance : 4.8MHz \pm 2dB

Y/Pr/Pb / Progressive Scan

S/N (all channels) : >60dB
 Bandwidth Y : >12MHz \pm 3dB
 Bandwidth PrPb : >6MHz \pm 3dB
 YPrPb crosstalk (bw < 10MHz) : < -50dB

Audio playback performance – Line out

Output voltage : 1.6Vrms \pm 2dB
 Channel unbalance (1kHz) : <1dB
 Frequency response : 20Hz-20kHz \pm 0.5dB
 Crosstalk (1kHz) : >80dB
 S/N unweighted : >90dB
 Dynamic range (1kHz) : >85dB
 Distortion and noise (1kHz) : >82dB

Audio playback performance – SCART out

Output voltage : 1.6Vrms \pm 2dB
 Channel unbalance (1kHz) : <1dB
 Frequency response : 20Hz-20kHz \pm 0.5dB
 Crosstalk (1kHz) : >75dB
 S/N unweighted : >85dB
 Dynamic range (1kHz) : >80dB
 Distortion and noise (1kHz) : >75dB

Network

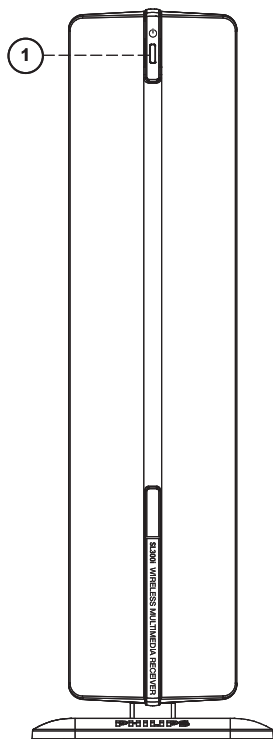
Interoperability : Universal Plug&Play (UPnP)
 Protocol : TCP/IP
 Wired Ethernet : RJ45 jack, IEEE802.3
 Wireless LAN : WiFi IEEE802.11g

Supported multimedia formats

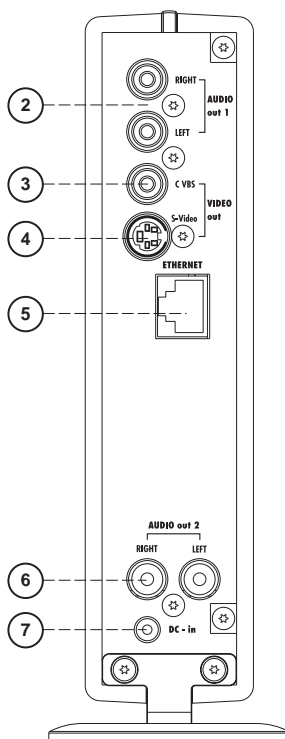
Audio playback : MP3, MP3pro, Real Audio, PCM
 Video playback : MPEG1, MPEG2, MPEG4, DivX4.0/5.03
 Picture : JPEG, BMP, GIF
 Playlist : M3U, ID3

CONNECTIONS & CONTROLS

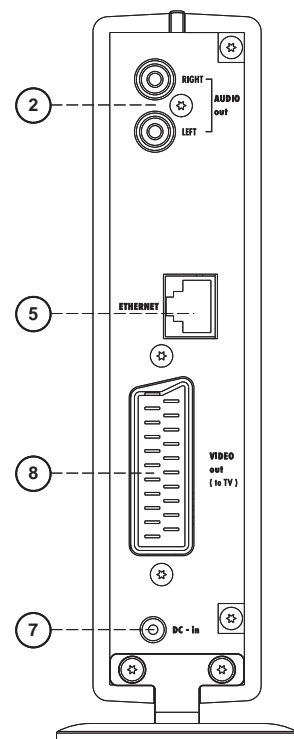
Front View (all versions)



Rear View (version /37)



Rear View (versions /00/05/19)



Pos	Function	Remarks
1	On/Off	Power on/Standby button with integrated red standby indicator
2	Audio L/R output	To connect the SL300i to the left and right audio inputs of an Audio system
3	Video out / CVBS	To connect the SL300i to the Composite video input of a TV set
4	Video out / S-Video	To connect the SL300i to the S-Video input of a TV set
5	Ethernet connector	Optional RJ-45 Ethernet connection for a wired home network
6	Audio L/R output	To connect the SL300i to the left and right audio inputs of an Audio system
7	DC-in	For connecting the SL300i's power adaptor
8	SCART A/V output	Connects the SL300i to a TV set

ACCESSORIES


Article	Codenummer	SL300i/00	SL300i/05	SL300i/19	SL300i/37
Mains cord /00 (EUR)	2422 070 98151	X		X	
Mains cord /05 (UK)	2422 070 98147		X		
Mains cord /37 (USA)	2422 070 98134				X
AC/DC Adaptor AD2835-010/SBC CS1225/00	3103 308 31021	X	X	X	X
Remote control RC1453601/01	3139 228 63221	X	X	X	X
Cinch cable Audio L+R	3103 308 92611	X	X	X	X
SCART cable	2422 076 00549	X	X	X	
CVBS & Audio L+R cable	2422 076 00304				X

x...supplied with the set

SAFETY & WARNINGS


(GB)

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

Safety components are marked by the symbol 

(F)

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

Les composants de sécurité sont marqués 

(D)


Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Gerätes darf nicht verändert werden. Für Reparaturen sind Originalersatzteile zu verwenden.

Sicherheitsbauteile sind durch das Symbol  markiert.


SAFETY



(NL)

Veiligheidsbepalingen vereisen, dat het apparaat in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast. De Veiligheidsonderdelen zijn aangeduid met het symbool 

(I)

Le norme di sicurezza estigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati. Componenti di sicurezza sono marcati con 

(GB) WARNING

All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.

When repairing, make sure that you are connected with the same potential as the mass of the set via a wristband with resistance. Keep components and tools at this potential.

(F) ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD). Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation.

Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfilez le bracelet serti d'une résistance de sécurité.

Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

(D) WARNUNG

Alle ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).

Unvorsichtige Behandlung im Reparaturfall kann die Lebensdauer drastisch reduzieren.

Sorgen Sie dafür, daß Sie im Reparaturfall über ein Pulsarmband mit Widerstand mit dem Massepotential des Gerätes verbunden sind.

Halten Sie Bauteile und Hilfsmittel ebenfalls auf diesem Potential.

ESD



(NL) WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische ontladingen (ESD).

Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen. Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat.

Houd componenten en hulpmiddelen ook op hetzelfde potentiaal.

(I) AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).

La loro longevità potrebbe essere fortemente ridotta in caso di non osservazione della più grande cauzione alla loro manipolazione. Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.

Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

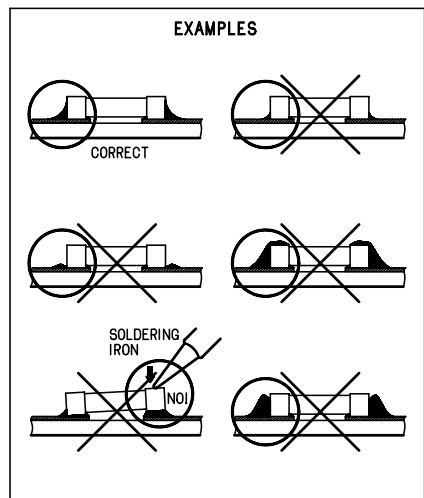
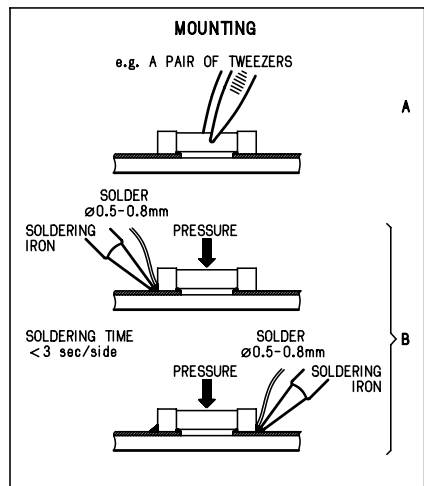
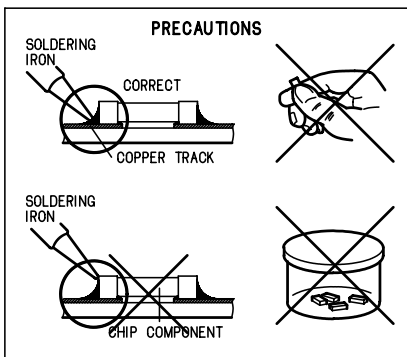
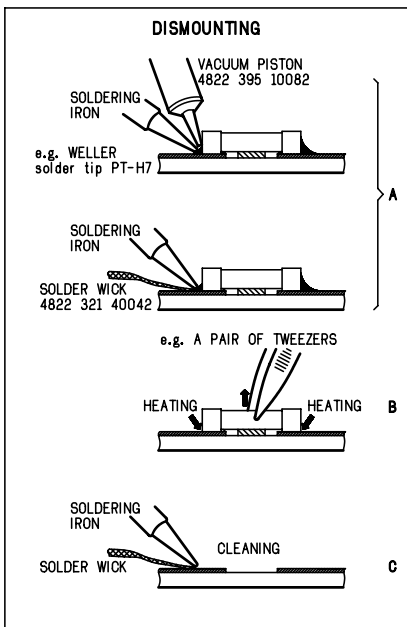
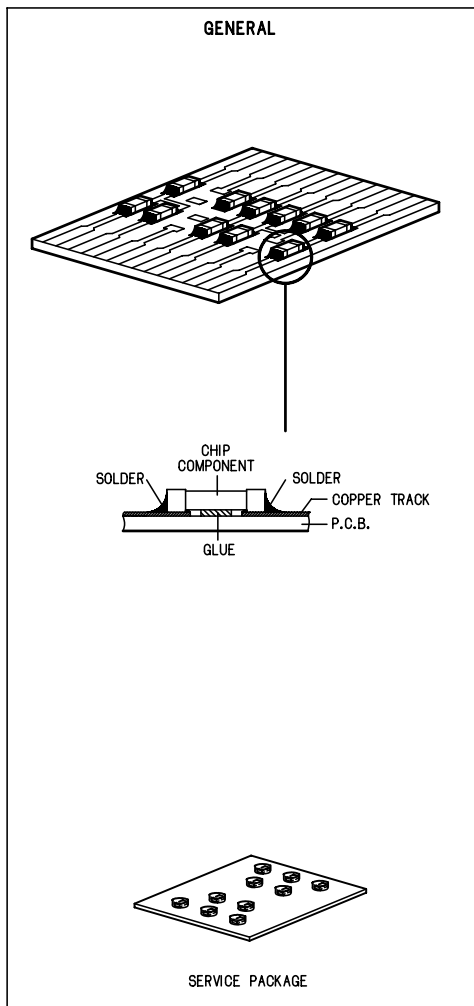
ESD PROTECTION EQUIPMENT

ESD3 KIT – 4822 310 10671

- Anti-static table mat (600x650x1.25mm)
- Anti-static wristband
- Connection box (3 press stud connections, 1MΩ)
- Extendible cable (2m, 2MΩ, to connect wristband to connection box)
- Connecting cable (3m, 2MΩ, to connect table mat to connection box)
- Earch cable (1MΩ, to connect any product to table mat or to connection box)

SERVICE HINTS

HANDLING CHIP COMPONENTS



TIPS FOR TROUBLESHOOTING

1. General information

The Wireless Multimedia Receiver SL300i contains the following printed boards and modules:

- External AC/DC-Adaptor
- Main Board
- Internet A/V-Module "StreamIom G1.0/LinX"
- WiFi-Antenna (2x)
- Stand Illumination Board

The external AC/DC-Adaptor, the Main Board and the Internet A/V module are not intended to be repaired on component level. When shallow faultfinding fails and diagnostics threaten to escalate, the board/module in question should be replaced entirely.

2. Operational tests

The following checks will help to delimit hardware problems down to board/module level:

Check	Repair action on failure
Connect external AC/C-Adaptor and check if stand-by LED is on.	Measure if output voltage of AC/DC-Adaptor is 12V. If voltage is not ok replace AC/DC-Adaptor.
Press the stand-by button. Check if colour of standby-LED changes from red to blue.	Check FFC cables. If connections are ok replace entire Main Board.
If unit wakes up check if OSD works and if there is any response on the MENU key.	Hold RED key (=subtitle key) on the RC depressed while plugging in mains. This will enter the "system recovery mode". TV-screen will show an emergency OSD for downloading the module firmware via internet. Follow the instructions on screen (press RED key on the RC when prompted to continue). DO NOT DISCONNECT WHILE DOWNLOAD IS IN PROGRESS!
If unit fails to wake up or OSD does not work at all	Replace entire StreamIom module. Caution: When replacing StreamIom module, the set 12NC must be programmed into the module (see factory test server, chapter 4-3). After setting the set 12NC, upgrade firmware via system recovery mode (see above).
If wired streaming works but wireless streaming fails	Check wiring of WiFi-Antennas. If wiring is ok replace WiFi-Card. If problem remains replace entire StreamIom module.
If no fault found	Upgrade firmware via system recovery mode (see above).

3. Functional tests

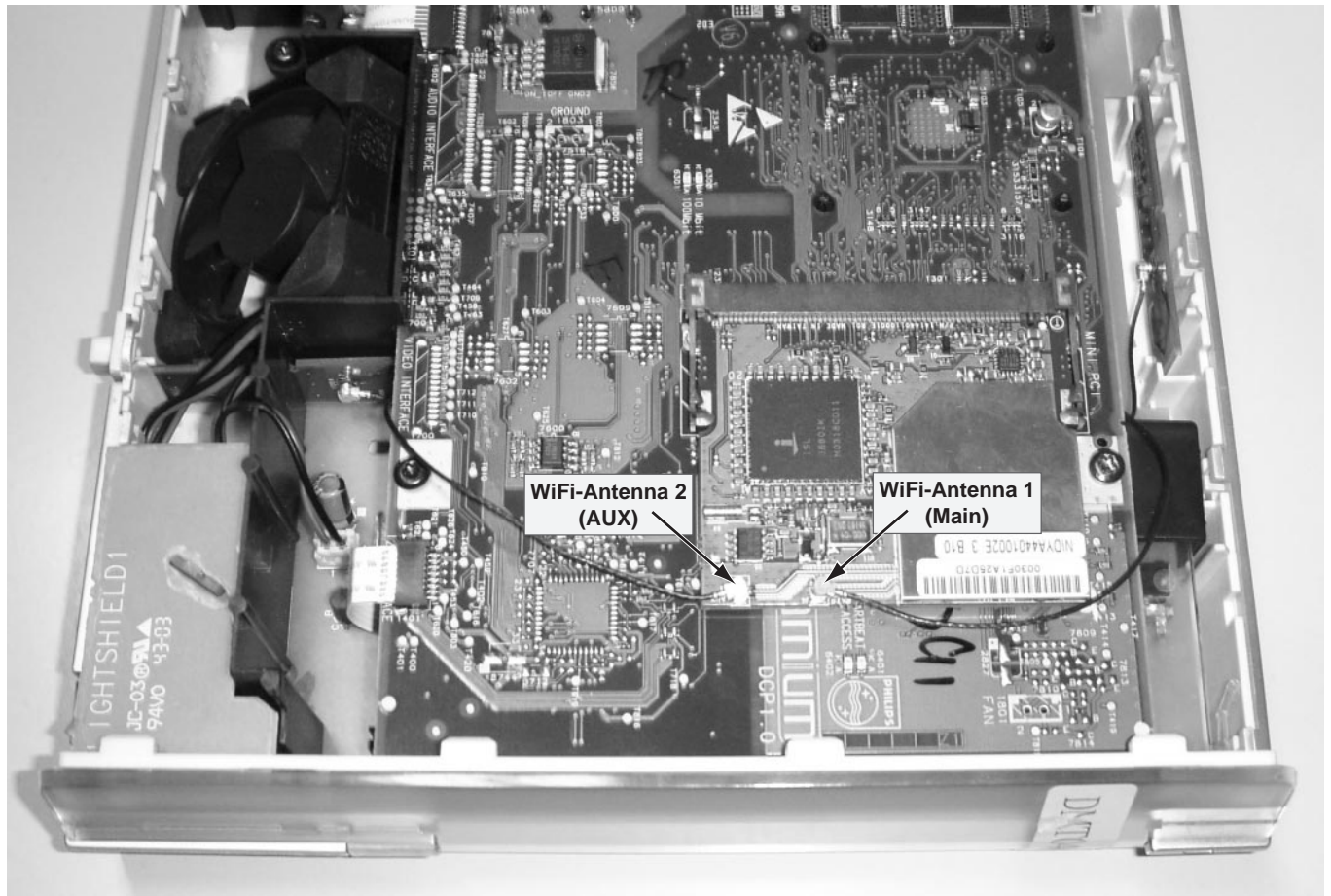
The following tests should be carried out before returning the set to the customer:

Functional test	Test sequence
Factory server mode (after replacement of StreamIom module only)	<ul style="list-style-type: none"> • Start factory test server on PC → select correct set type • Start set with STANDBY+STANDBY(RC)+plug in mains (press keys until set powers on automatically) • Set will boot as in normal operation • Check/modify set 12NC on the OSD when factory test server is active
Wired streaming test	<ul style="list-style-type: none"> • Navigate through filestructure • Stream high bitrate Video content and testpicture, check line out, screen appearance and line outputs
Video output test (for EUR version only)	<ul style="list-style-type: none"> • Press "Menu" on RC → PICTURE → TV settings → VIDEO OUTPUT → select "RGB" • Check if OSD is still visible (assure that the TV is capable of using RGB) • RESET SETTINGS by pressing "Menu" → "Reset settings" → YES → unplug mains
Video output test (for NAFTA version only)	<ul style="list-style-type: none"> • Check if OSD is visible on TV connected via CVBS and S-Video • RESET SETTINGS by pressing "Menu" → "Reset settings" → YES → unplug mains
Wireless test	<ul style="list-style-type: none"> • Remove Ethernet cable • Plug in mains • Wake up the unit by pressing PC-LINK button on the RC • Wireless networks will be shown → select your network and hit OK • Stream high bitrate video content • Press the RED key on the RC repeatedly and check if color key bar and more OSD details are shown • Press until Colour key bar disappears • Press the PAUSE key on the RC repeatedly and check if the set pauses and resumes play • Press "Menu" on RC → Network → wireless settings → SSID and try to modify the SSID by entering about 10 characters in SMS style. If problems are observed, routing of wireless cables may be wrong.
Reset settings	As last step of the functional test, all settings MUST be reset to the factory defaults as described above! Else, the connection wizard will not work and the customer will face problems connecting the set to the home network. The reset will also restore the default video output mode.

4. Wiring instructions for WiFi-Antennas

Caution: The terminals for the WiFi-Antennas must not be interchanged!

The cable connected to the “Main” terminal on the WiFi-Card MUST be connected to the antenna on the right side of the set (seen from front panel). Wrong wiring will disturb the functionality of the IR-Receiver and cause serious problems with the Remote Control in WiFi mode.



SERVICE TEST PROGRAM

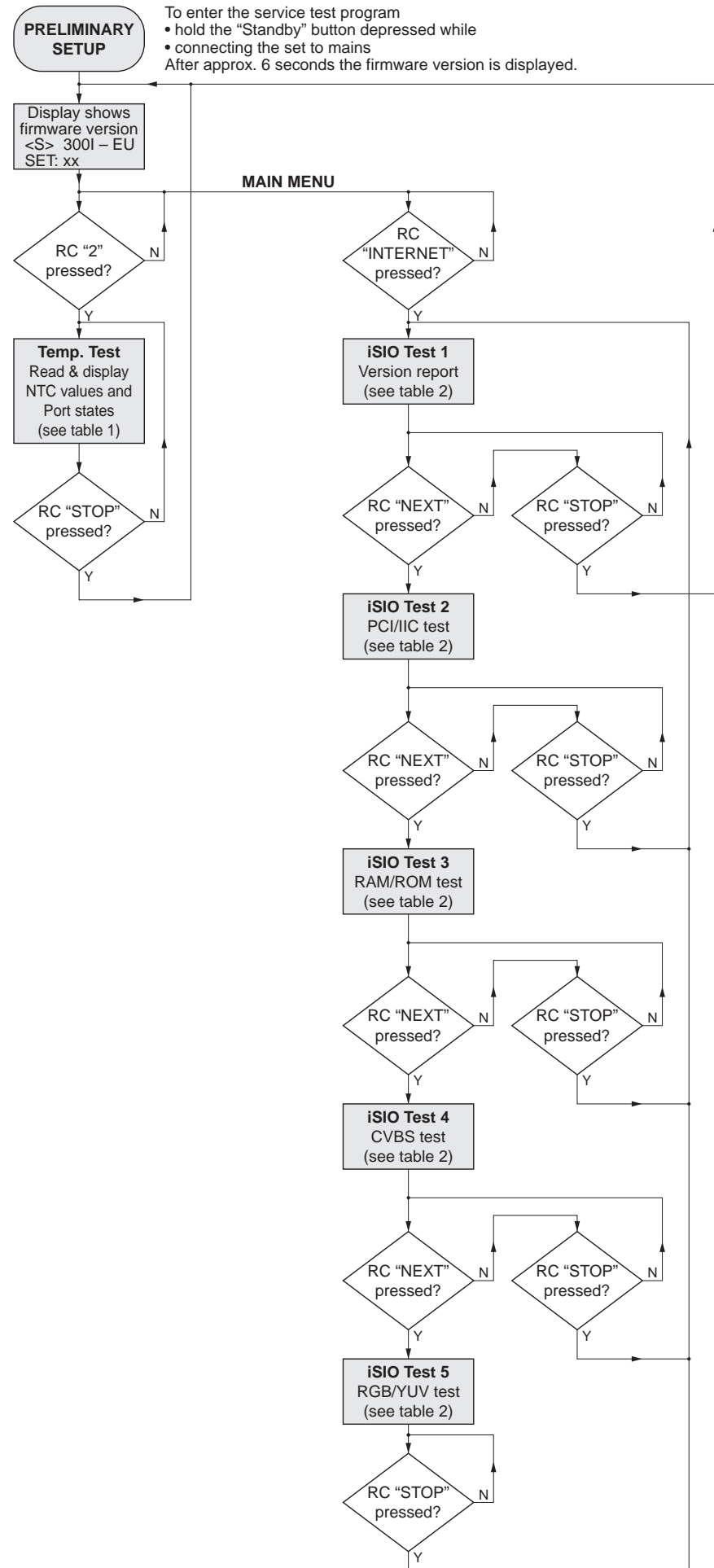


Table 1 – Temp. test

Input line	Test point	Value	Display
TEMP_SEN	pin 18	Temp. in °C	Line1: STR:xxx V:---
VER_OPT	pin 22	decimal	
300N400	pin 23	0=SL400i NAFTA	Line2: T:x FB:x
		1=SL400i EU	
		2=SL300i NAFTA	
		3=SL300i EU	
FBIN	pin 17	0 or 1	
SVID	pin 8	0 or 1	Line3: SV:x PRO:x
nPROSCAN	pin 16	0 or 1	

Table 2 – iSIO test

Test step	Display	Remarks
Version report	Line1: StreamIOM Line2: xx.xx.xxxx Line3: VMC x-x-x-xxx-xx	Reads and shows the iSIO firmware version (line 2) and the Version Matrix Code (line 3). The meaning of the 8 VMC digits is described in table 3.
PCI/IIC test	Line1: PCI/IIC COMM Line2: PASS or FAIL + Error code (see table 4)	Checks communication to PCI/IIC devices <ul style="list-style-type: none"> • WiFi card • Ethernet controller • Video switch • SPDIF receiver • Audio DAC
RAM/ROM test	Line1: RAM/ROM TEST Line2: PASS or FAIL + Error code (see table 4)	Verifies checksums of iSIO's <ul style="list-style-type: none"> • EEPROM • FLASH • SDRAM • PLD
CVBS test	Line1: CVBS TEST PIC	Output of a test picture (Video DAC) Format CVBS and S-Video
RGB/YUV test	Line1: RGB/YUV TEST PIC	Output of a test picture (Video DAC) Format RGB or YUV (dep. on set version)

Table 3 – Version Matrix Code (VMC)

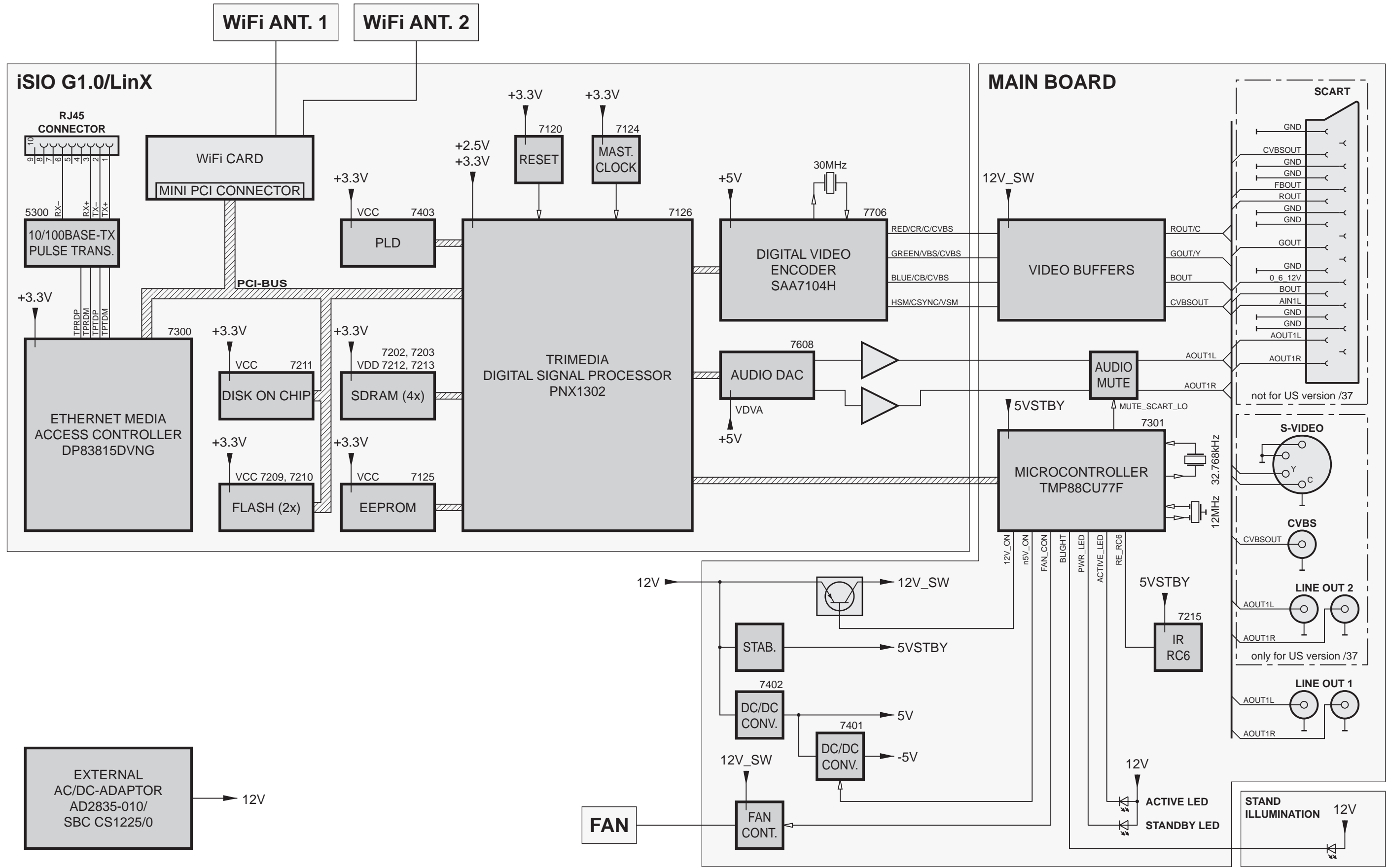
Region Code	TV System	Menu/AS Language	Architecture Feature Set	OEM Derivative
1	2	3	4	5
6	7	8	9	0

Digit	Description
1	Region Code 1 USA 2 EU 3 AP 4 Australia, NZ, Latam 5 Russia, India 6 China 7 Baltic (plays region 2 and 5)
2	TV System 1 NTSC/PAL 2 PAL/NTSC 3 NTSC/PALn 4 PALm/PAL
3	Menu/AS Language 1 USA 2 EU 3 AP 4 Others
4..6	Architecture Feature Set 001, 002, 003, etc.
7..8	OEM Derivative 00 Philips 01 Grundig 02 Marantz 03 B&O 04 Magnavox 05 Loewe 06 Yamaha 07 Hitachi 08 Audio 09 TV 10 etc. 99 Test purpose

Table 4 – Error codes

Error code	Description
0x01	FSM_PCI_INIT_ERROR
0x02	FSM_PCI_MINIPCI_MISSING
0x04	FSM_PCI_TRIMEDIA_MISSING
0x08	FSM_PCI_PCILAN_MISSING
0x10	FSM_PCI_UNKNOWN_DEVICE
0x20	FSM_IIC_SA7104_ERROR
0x40	FSM_IIC_STV6618_ERROR
0x80	FSM_IIC_CS4362_ERROR
0x00000001	FLASH_ERROR_OPEN_FOR_WRITE
0x00000002	FLASH_ERROR_WRITING
0x00000003	FLASH_ERROR_CLOSE_AFTER_WRITE
0x00000004	FLASH_ERROR_OPEN_FOR_READ
0x00000005	FLASH_ERROR_FILE_LENGTH
0x00000006	FLASH_ERROR_WRONG_DATA
0x00000007	FLASH_ERROR_CLOSE_AFTER_READ
0x00000008	FLASH_ERROR_REMOVE_FILE

BLOCK DIAGRAM





StreamIOM G1.0/LinX Internet A/V Module

**This module is not intended to be repaired on component level.
Circuit Diagrams and Printed Circuit Board drawings
are published for orientation only.**

In case of defects please replace the entire module.

Modules can be ordered with codenumber "3103 308 67790".

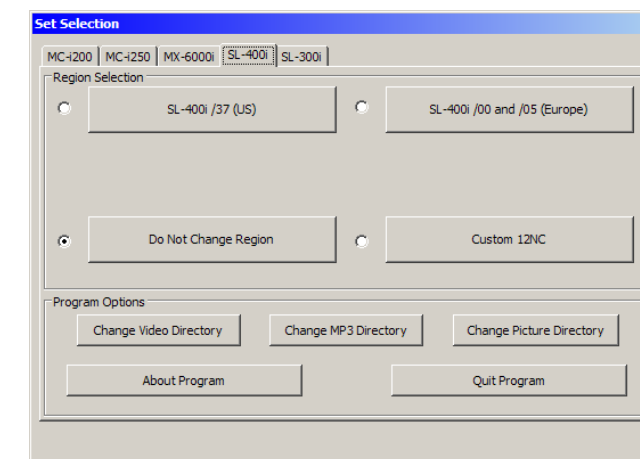
Internet A/V Module – Service Hints

The Internet A/V Module **StreamIOM G1.0/LinX** is not intended to be repaired on component level. Only the complete Printed Board Assembly and the Wireless LAN Card are available as service spare part. These articles can be ordered with the following codenumbers:

StreamIOM G1.0/LinX PBAS3103 308 67790
Wireless LAN Card.....9307 008 01371

Important note: When replacing the Internet A/V Module the set 12NC must be programmed into the module before returning the set to the customer !! The 12NC depends on the stroke version of the set and can only be programmed with the help of an external application – the so-called **Factory Test Server**.

Factory Test Server Application



The Factory Test Server serves two purposes:

1. To test the Internet streaming of the module, without having a broadband Internet connection present.
2. To program the SET 12NC into the module after replacement.

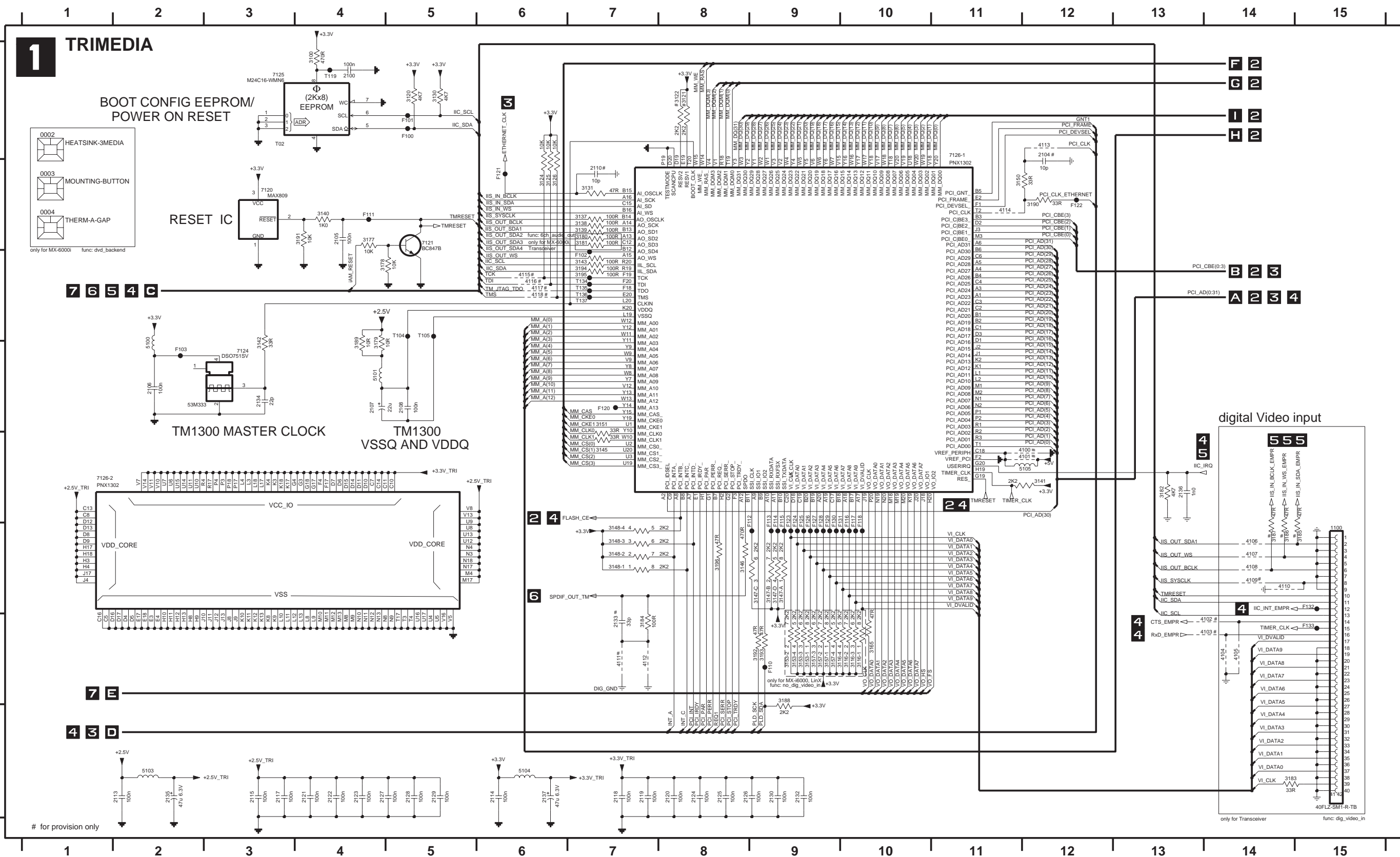
The Factory Test Server Application is available at dedicated workshops, only.

Basic requirements:

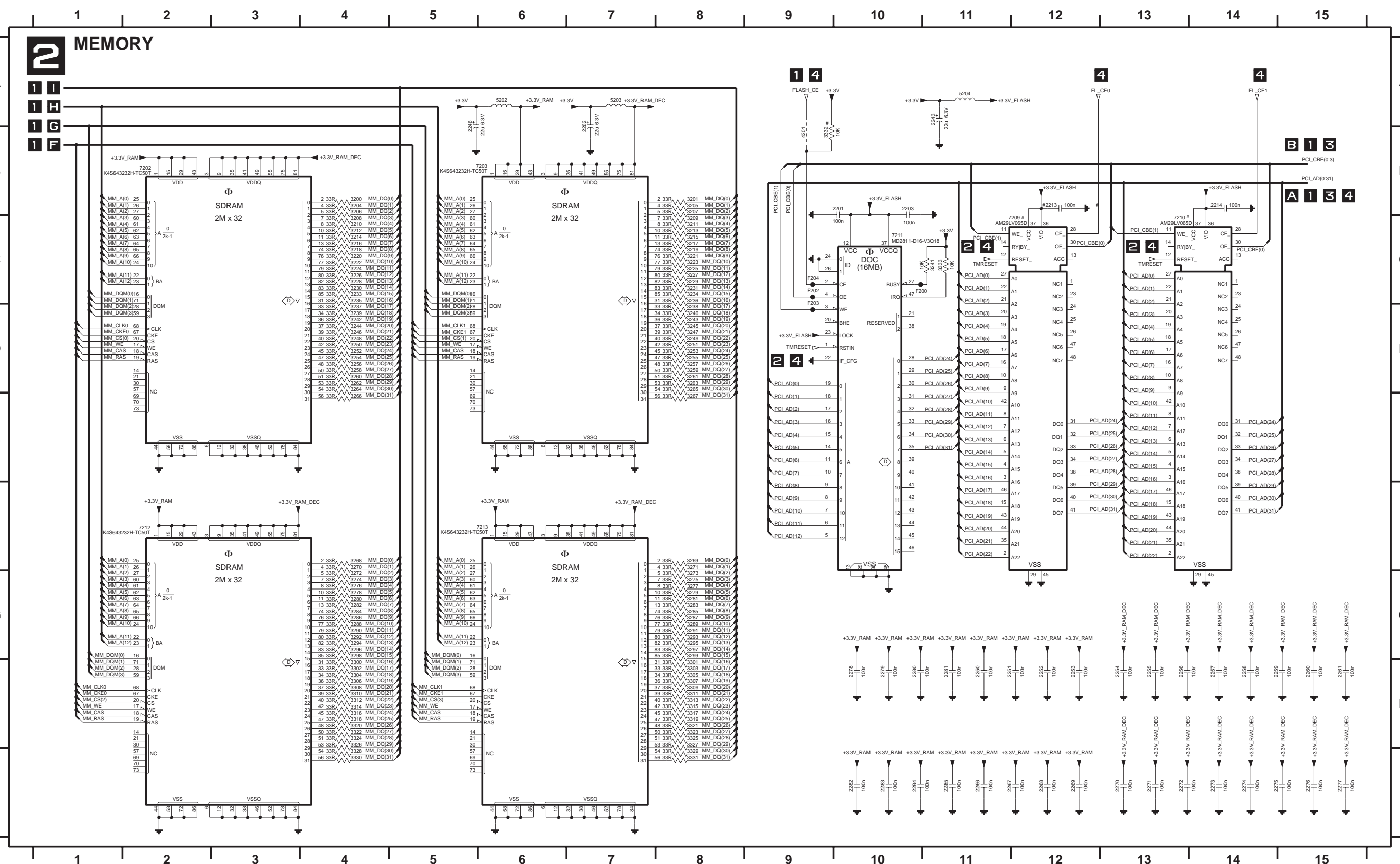
- PC running Windows NT4 Service Pack 6 or higher, Windows 2000, or Windows XP Pro
- 400MB hard disk space
- Ethernet network card
- Ethernet crossover cable or Ethernet hub with standard patch cable
- Wireless Access Point
- Mouse
- Monitor
- CD-ROM drive (for installation)

For detailed instructions on how to install, setup and use this application please refer to the "Factory Test Server Application Manual", included on the CD-ROM.

0002 A1	2105 B4	2114 H6	2121 H4	2127 H4	2134 D3	3116-2 G10	3124 B6	3138 B7	3145 E7	3148-1 F7	3153-1 G9	3157-3 G9	3180 B7	3186 F14	3192 G9	4101 E12	4107 F14	4113 A12	5100 D2	7121 B5	F101 A5	F113 E9	F120 D7	F126 E9	F132 F15	T135 C7
0003 B1	2106 D2	2115 H3	2122 H4	2128 H5	2135 H2	3116-3 G10	3125 B6	3139 B7	3146 F8	3148-2 F7	3153-2 G9	3157-4 G9	3181 B7	3187 F14	3193 G9	4102 G14	4108 F14	4114 B11	5101 D4	7124 D3	F102 C7	F114 E9	F121 B6	F127 E9	F133 G15	T136 C7
0004 B1	2107 D4	2117 H3	2123 H4	2129 H5	2136 E13	3116-4 G10	3126 B6	3140 B4	3147-A F9	3148-3 F7	3153-3 G9	3157-5 G9	3182 E13	3188 G9	3194 C7	4103 G14	4109 F14	4115 C6	5103 H2	7125 A3	F103 D2	F115 E9	F122 B12	F128 E9	F134 G15	T137 C7
1100 F15	2108 D5	2118 H7	2124 H8	2130 H9	2137 H6	3120 A5	3130 A5	3141 E12	3147-B F9	3148-4 F7	3153-4 G9	3177 B4	3183 H14	3189 D4	3195 C7	4104 G14	4110 F14	4116 C6	5104 H6	7126-1 A11	F104 G9	F116 E10	F123 E9	F129 E9	T104 C5	
2100 A4	2110 H7	2119 H7	2125 H8	2132 H9	2139 A4	3121 A8	3131 B7	3142 D3	3147-C F9	3150 B11	3157-1 G9	3178 C4	3184 H14	3190 B12	3196 F8	4105 G14	4111 G7	4117 C6	5105 E12	7126-2 E1	F105 B9	F117 E10	F124 E9	F130 E9	T105 C5	
2104 A12	2113 H2	2120 H8	2126 H8	2133 G7	3116-1 G10	3122 A8	3137 B7	3143 C7	3147-D F9	3151 D7	3157-2 G9	3179 D4	3185 F15	3191 B4	4106 F14	4112 G7	4118 C6	7120 B3	F100 A5	F112 E9	F118 E10	F125 E9	F131 E10	T134 C7		

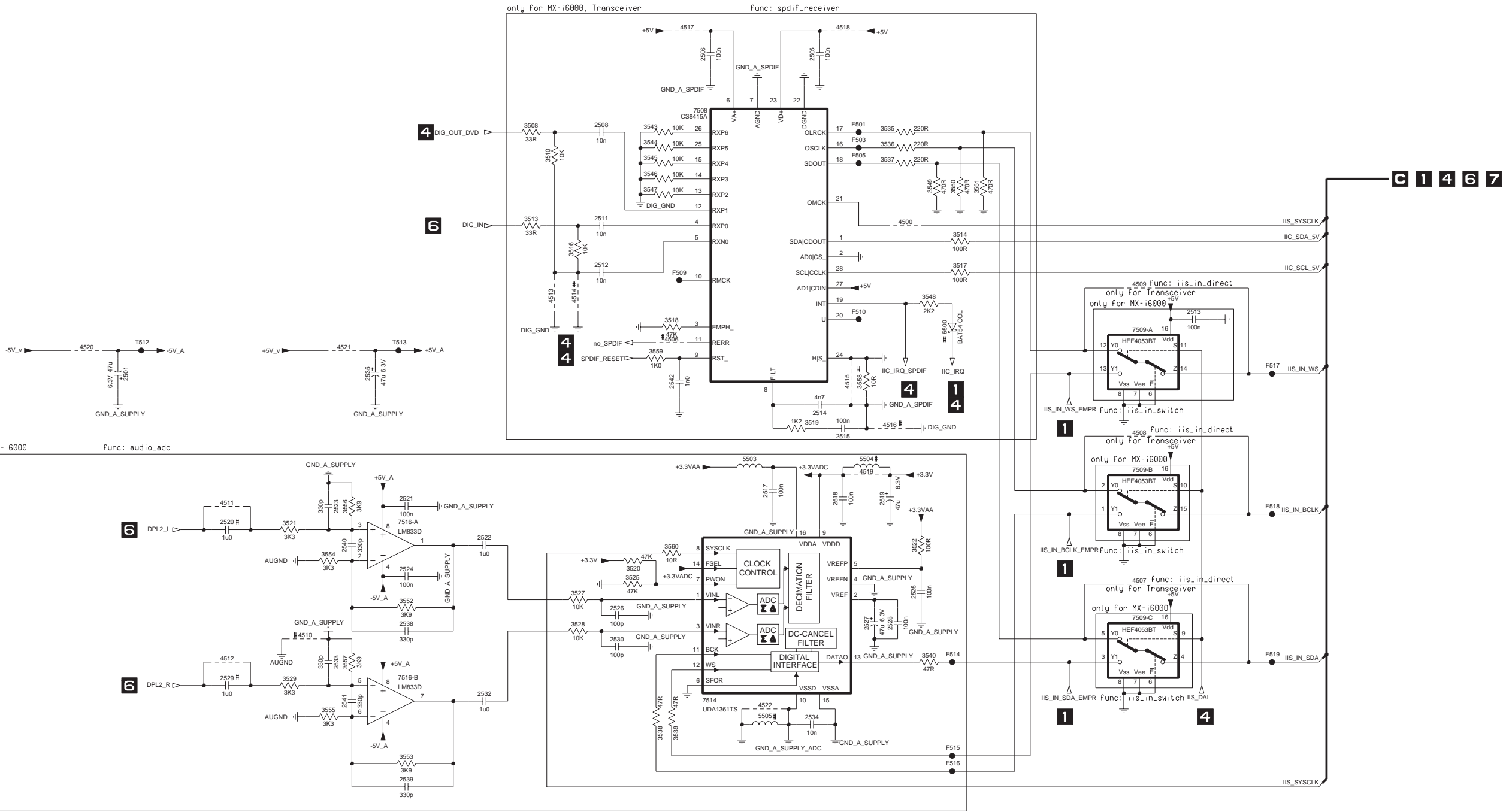


2201 B10	2250 H11	2256 H13	2262 A7	2271 H3	2277 H5	2283 H0	3205 B8	3211 C8	3217 C8	3223 C8	3229 C8	3236 C8	3242 D4	3248 D4	3254 D4	3260 D4	3266 E4	3272 G4	3278 G4	3284 G4	3290 G4	3296 G4	3302 H4	3308 H4	3314 H4	3320 H4	3326 H4	3332 B9	7202 B2	7213 F6
2203 B10	2251 H12	2257 H14	2266 H11	2272 H3	2278 H10	2284 H10	3206 B4	3212 C4	3218 C4	3224 C4	3230 C4	3237 D4	3243 D8	3249 D8	3255 D8	3261 D8	3267 E8	3273 G8	3279 G8	3285 G8	3291 G8	3297 G8	3303 H8	3309 H8	3315 H8	3321 H8	3327 H8	3333 C11	7203 B6	F200 C10
2213 B12	2252 H12	2258 H14	2267 H12	2273 H4	2279 H10	2285 H11	3207 B8	3213 C8	3219 C8	3225 C8	3231 C8	3238 D8	3244 D4	3250 D4	3256 D4	3262 D8	3268 F4	3274 G4	3280 G8	3286 G4	3292 G4	3298 G4	3304 H4	3310 H4	3316 H4	3322 H4	3328 H4	4201 B9	7209 C11	F202 C9
2214 B14	2253 H12	2259 H15	2268 H12	2274 H4	2280 H10	3200 B4	3208 C4	3214 C4	3220 C4	3226 C4	3232 C4	3238 D4	3245 D8	3251 D8	3257 D8	3263 D8	3269 F8	3275 G8	3281 G8	3287 G8	3293 G8	3299 G8	3305 H8	3311 H8	3317 H8	3323 H8	3329 H8	5202 A6	7210 C13	F203 D9
2243 A11	2254 H13	2260 H15	2269 H12	2275 H5	2281 H11	3201 B8	3209 C8	3215 C8	3221 C8	3227 C8	3233 C8	3240 D8	3246 D4	3252 D4	3258 D4	3264 D4	3270 F4	3276 G4	3282 G4	3288 G4	3294 G4	3300 H4	3306 H4	3312 H4	3318 H4	3324 H4	3330 H4	5203 A7	7211 C10	F204 C9
2246 A5	2255 H13	2261 H15	2270 H13	2276 H5	2282 H10	3204 B4	3210 C4	3216 C4	3222 C4	3228 C4	3234 C4	3240 D8	3247 D8	3253 D8	3259 D8	3265 D8	3271 F8	3277 G8	3283 G8	3289 G8	3295 G8	3301 H8	3307 H8	3313 H8	3319 H8	3325 H8	3331 H8	5204 A11	7212 F2	



2501 D2	2512 C6	2518 F8	2523 F4	2528 G9	2534 H8	2541 G4	3514 C9	3520 F6	3528 G6	3538 H7	3545 C7	3550 C9	3555 H4	3560 F7	4509 D11	4514 D6	4519 E9	5504 E9	7509-B E11	F501 B9	F514 G9	F519 G12
2505 B8	2513 D12	2519 F9	2524 F4	2529 G3	2535 D4	2542 E7	3516 C6	3521 F3	3529 G3	3539 H7	3546 C7	3551 C10	3556 F4	4500 C9	4510 G3	4515 E8	4520 D1	5505 H8	7509-C G11	F503 B9	F515 H9	T512 D2
2506 B7	2514 E8	2520 F3	2525 F9	2530 G6	2538 G4	3508 B6	3517 C9	3522 F9	3535 B9	3540 G9	3547 C7	3552 G4	3557 G4	4506 D7	4511 F3	4516 E9	4521 D4	6500 D9	7514 G7	F505 B9	F516 H9	T513 D4
2508 B6	2515 E8	2521 F4	2526 G6	2532 G5	2539 H4	3510 B6	3518 D7	3525 F6	3536 B9	3543 B7	3548 D9	3553 H4	3558 E9	4507 F11	4512 G3	4517 A7	4522 H8	7508 B7	7516-A F4	F509 D7	F517 D12	
2511 C6	2517 F8	2522 F5	2527 G9	2533 G4	2540 F4	3513 C6	3519 E8	3527 F6	3537 C9	3544 B7	3549 C9	3554 F4	3559 D7	4508 E11	4513 D6	4518 A8	5503 E8	7509-A D11	7516-B G4	F510 D9	F518 F12	

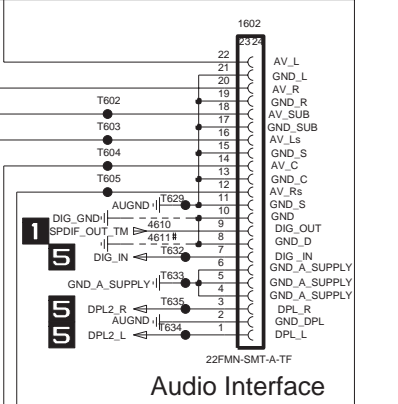
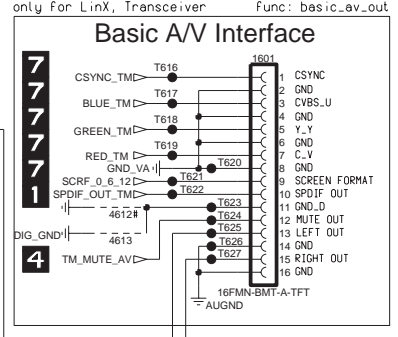
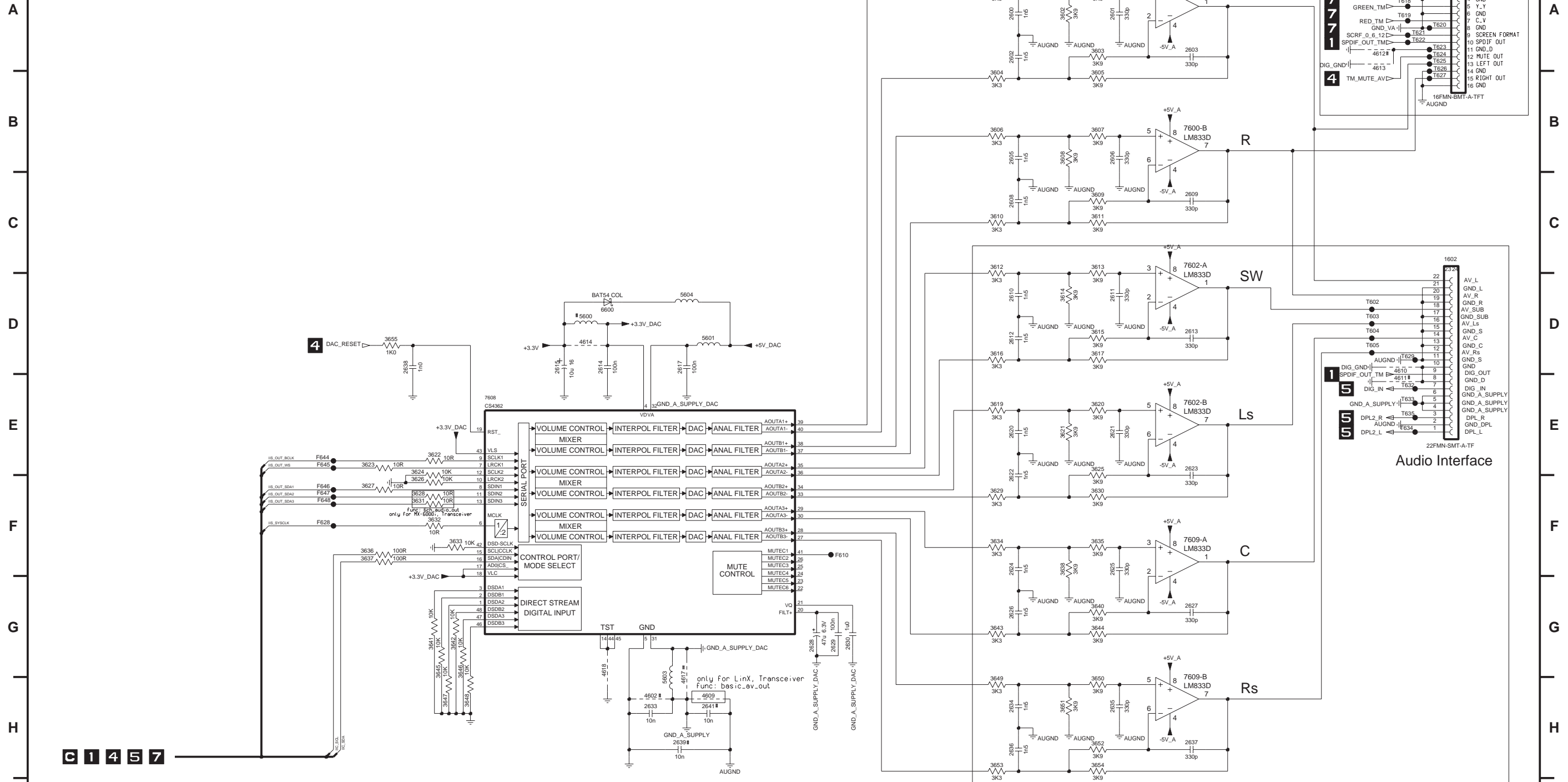
5 ANALOG / DIGITAL AUDIO IN



for provision only

1601 A14	2603 A12	2610 D10	2615 D5	2623 E12	2628 G8	2635 H11	2641 H7	3604 B10	3609 C11	3614 D10	3620 E11	3625 E11	3630 F11	3635 F11	3641 G4	3646 G4	3651 H10	4602 H6	4613 A13	5601 D7	7600-B B11	7609-B H11	F646 F3	T604 D13	T619 A14	T624 A14	T632 E14
1602 C14	2605 B10	2611 D11	2617 D6	2624 F10	2629 G8	2636 H10	3600 A10	3605 B11	3610 C10	3615 D11	3621 E10	3626 F4	3631 F4	3636 F3	3642 G4	3647 H4	3652 H11	4609 H7	4614 D6	5603 H6	7602-A C11	F610 F8	F628 F3	T605 D13	T620 A14	T625 A14	T633 E14
2600 A10	2606 B11	2612 D10	2620 E10	2625 F11	2630 G8	2637 H12	3601 A11	3606 B10	3611 C11	3616 D10	3622 E4	3627 F3	3632 F4	3637 F3	3643 G10	3648 H4	3653 H10	4610 D14	4615 H7	5604 D7	7602-B E11	F628 F3	F648 F3	T616 A14	T621 A14	T626 A14	T634 E14
2601 A11	2608 C10	2613 D12	2621 E11	2626 G10	2633 H6	2638 D4	3602 A10	3607 B11	3612 C10	3617 D11	3623 E3	3628 F4	3633 F4	3638 F10	3644 G11	3649 H10	3654 H11	4611 E14	4616 G6	5600 D6	7600-A A11	F645 E3	T603 D13	T617 A14	T622 A14	T627 B14	T635 E14
2602 A10	2609 C12	2614 D6	2622 F10	2627 G12	2634 H10	2639 H6	3603 A11	3608 B10	3613 C11	3619 E10	3624 E4	3629 F10	3634 F10	3640 G11	3645 G4	3650 H11	3655 D4	4612 A13	4617 H7	5600 D6	7600-A A11	F645 E3	T603 D13	T618 A14	T623 A14	T629 D14	

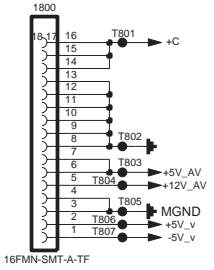
6 ANALOG AUDIO OUT



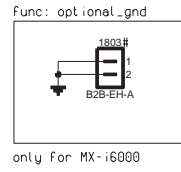
for provision only

8 POWER SUPPLY

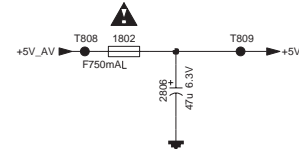
Supply Interface



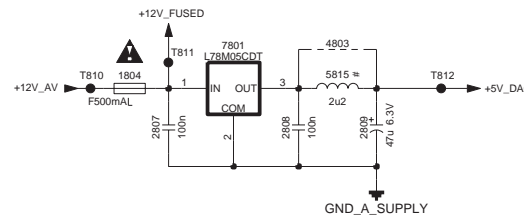
Ground Connection



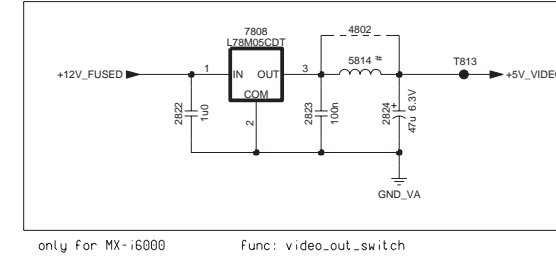
+5V Digital Supply



+5V Audio Analog Supply



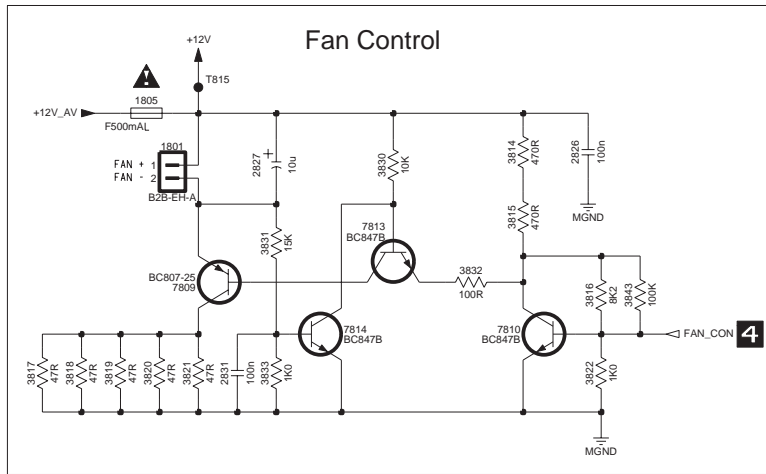
+5V Video Analog Supply



only for MX-i6000

func: video_out_switch

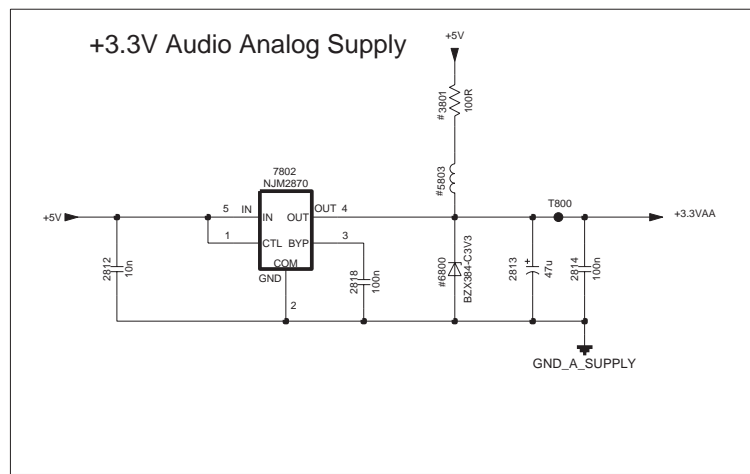
Fan Control



only for MX-i6000

func: fan_control

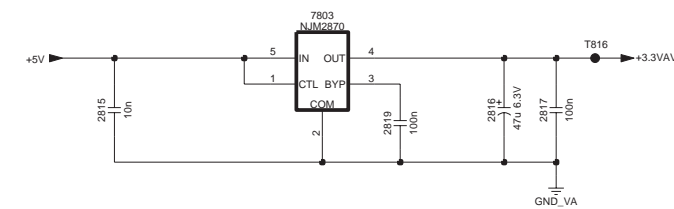
+3.3V Audio Analog Supply



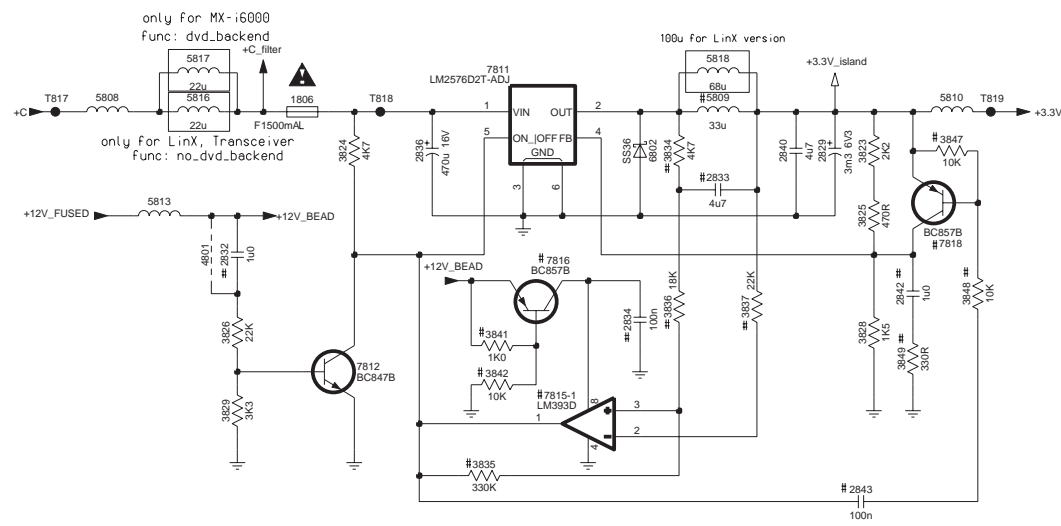
only for MX-i6000

func: audio_adc

+3.3V Video Analog Supply



+3.3V Digital Supply



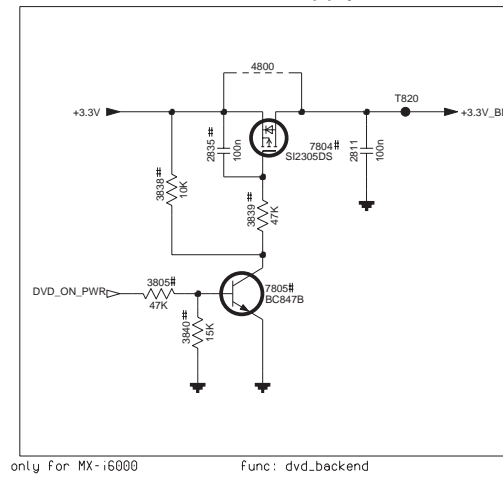
only for MX-i6000

func: dvd_backend

only for LinX, Transceiver

func: no_dvd_backend

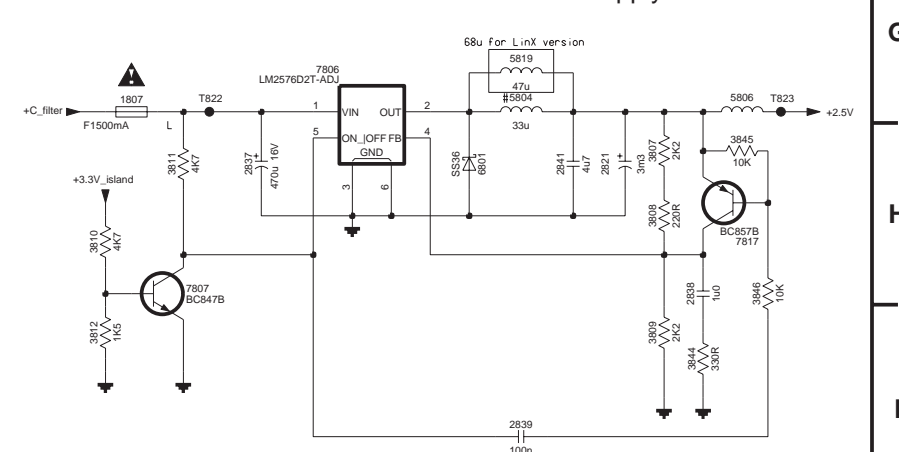
+3.3V Backend Supply Switch



only for MX-i6000

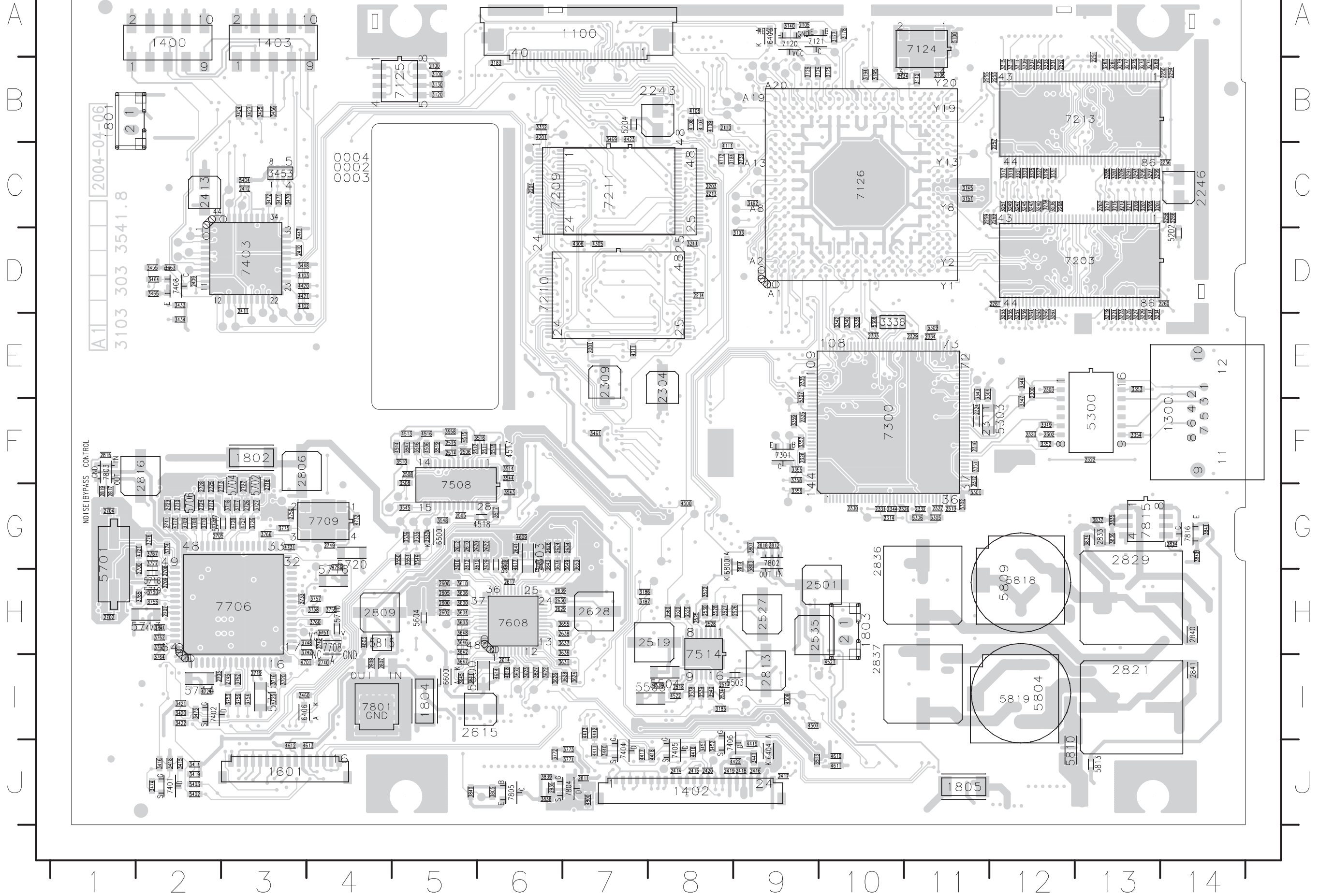
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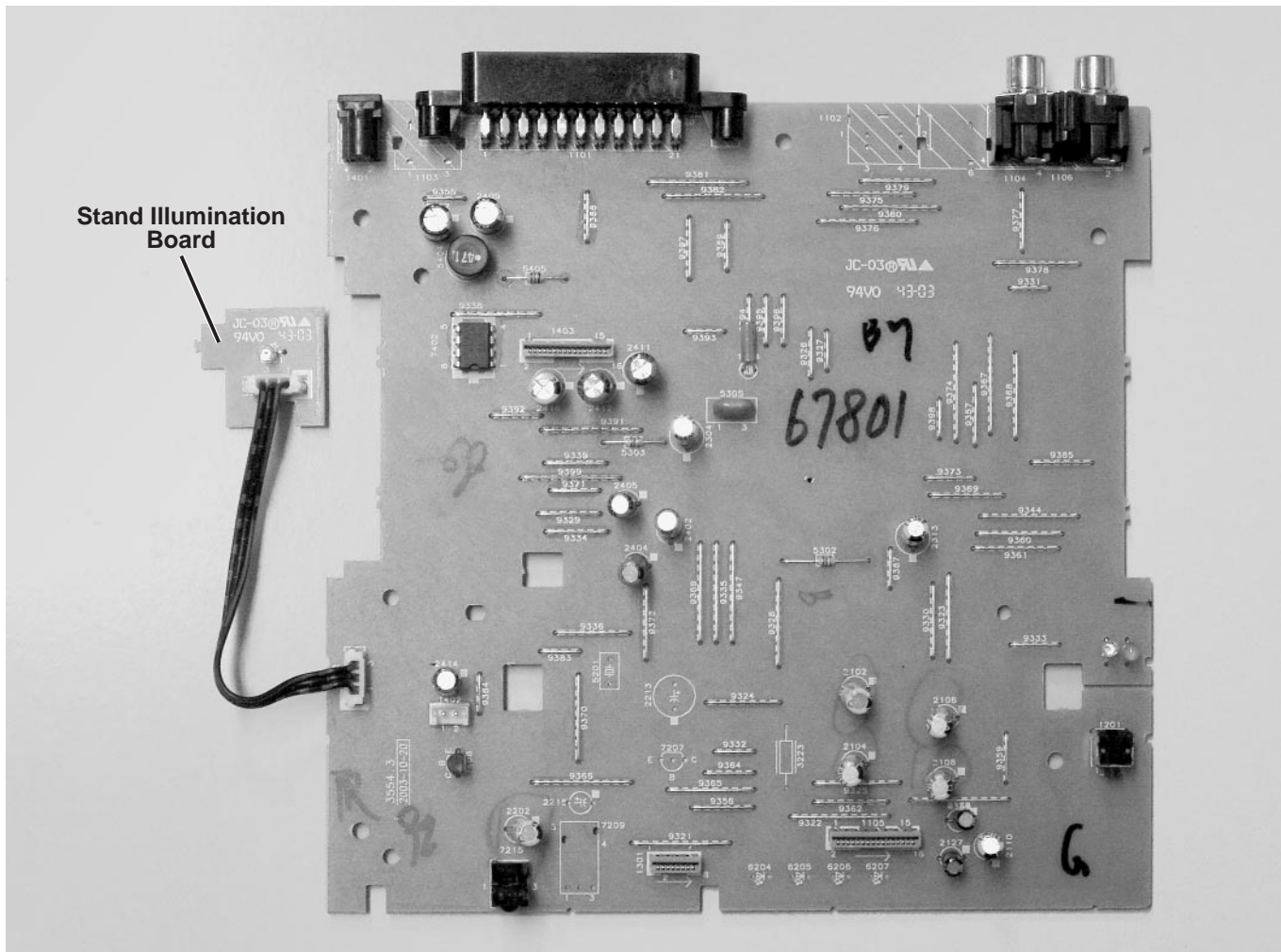
+2.5V TriMedia Core Supply



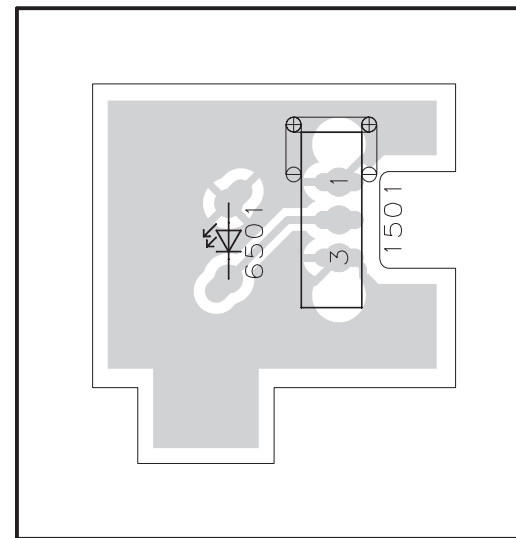
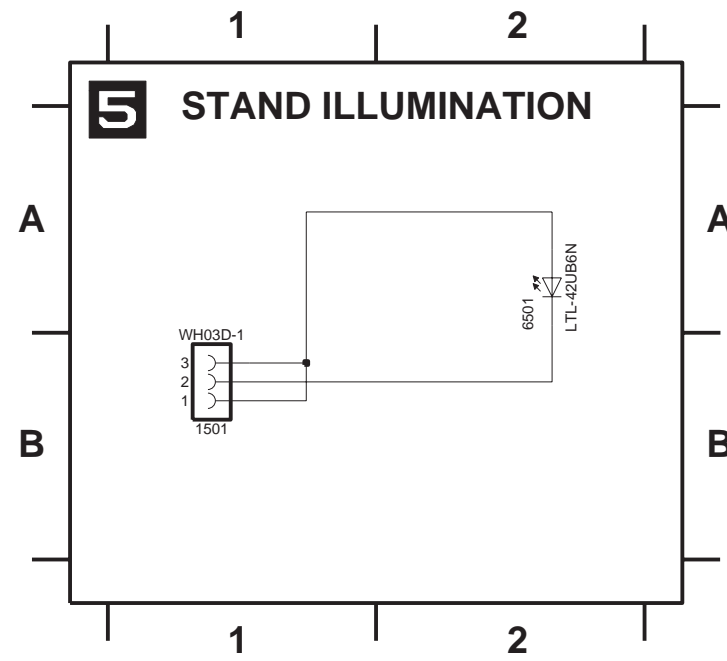
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1801 D1	7811 G3
1802 B5	7812 I2
1803 B3	7813 E2
1804 B8	7814 E2
1805 D1	7815-1 I3
1806 G2	7816 H3
1807 G10	7817 H13
1808 B5	7818 H6
1809 B8	7819 E8
1810 B9	7820 B1
1811 H8	7821 B1
1812 E5	7822 B11
1813 E8	7823 B12
1814 E8	7824 B12
1815 E10	7825 D3
1816 E12	7826 D3
1817 E12	7827 D2
1818 E7	7828 D3
1819 E12	7829 H5
1821 H12	7830 D2
1822 B11	7831 F2
1823 B12	7832 H2
1824 B12	7833 H4
1825 D3	7834 H4
1826 D3	7835 H7
1827 D2	7836 H3
1828 H5	7837 H11
1829 H5	7838 H13
1831 F2	7839 H12
1832 H2	7840 H5
1833 H4	7841 H12
1834 H4	7842 H5
1835 H7	7843 I5
1836 H3	7844 I5
1837 H11	7845 H7
1838 H13	7846 H13
1839 H12	7847 H5
1840 H5	7848 H6
1841 H12	7849 I5
1842 H5	7850 G8
1843 I5	7851 B9
1844 I3	7852 B1
1845 I3	7853 F1
1846 I3	7854 H13
1847 I3	7855 H13
1848 I3	7856 H13
1849 I3	7857 H13
1850 I3	7858 H13
1851 I3	7859 H13
1852 I3	7860 E7
1853 I3	7861 H12
1854 I3	7862 H4
1855 I3	7863 B8
1856 I3	7864 H8
1857 I3	7865 H8
1858 I3	7866 G11
1859 I3	7867 H10
1860 I3	7868 B12
1861 I3	7869 E1

PRINTED BOARD ASSEMBLY – StreamIOM G1.0/LinX – Side B





Stand Illumination Board

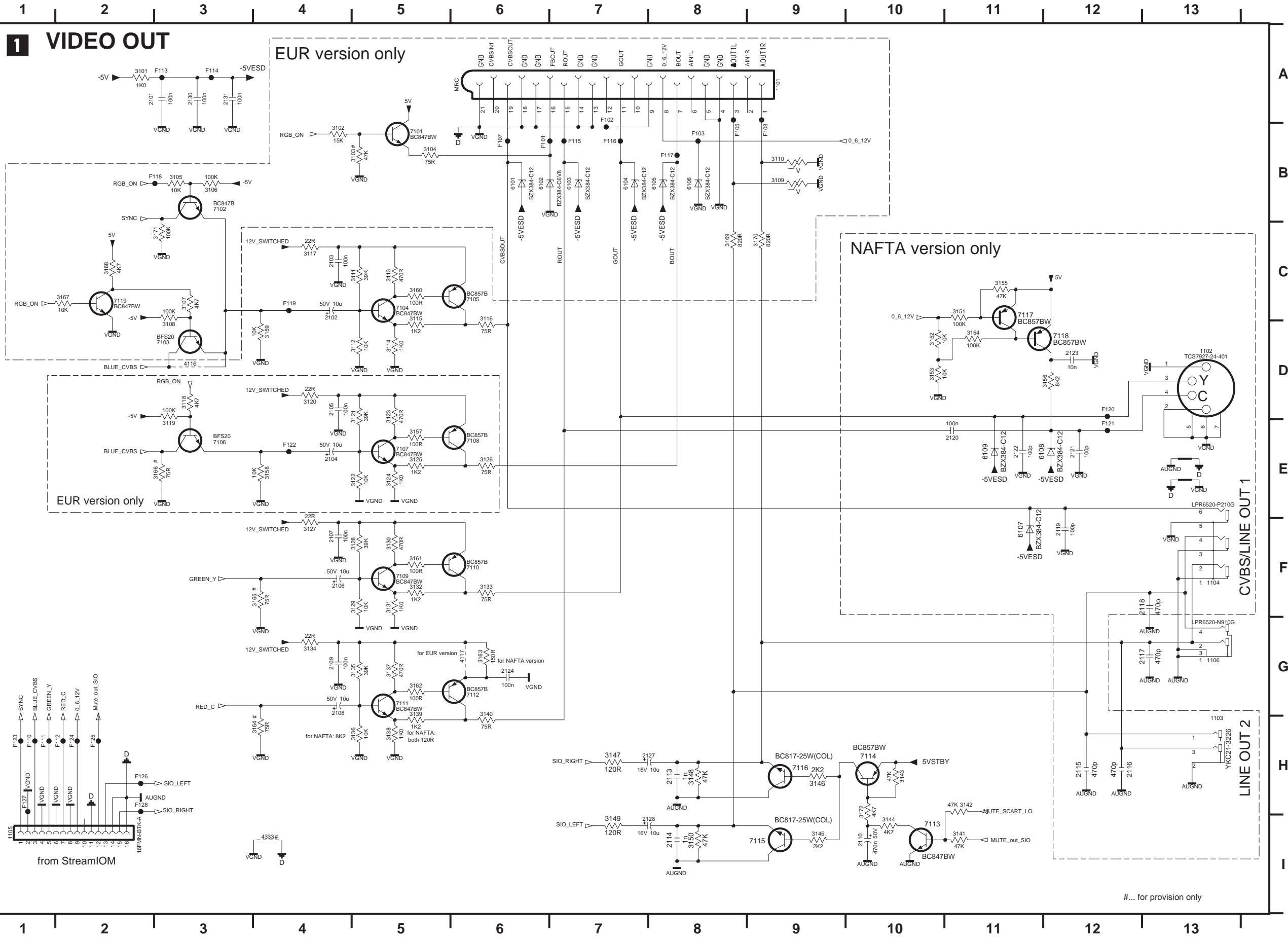


Main Board

**This board is not intended to be repaired on component level.
Circuit Diagrams and Printed Circuit Board drawings
are published for orientation only.**

In case of defects please replace the entire board.

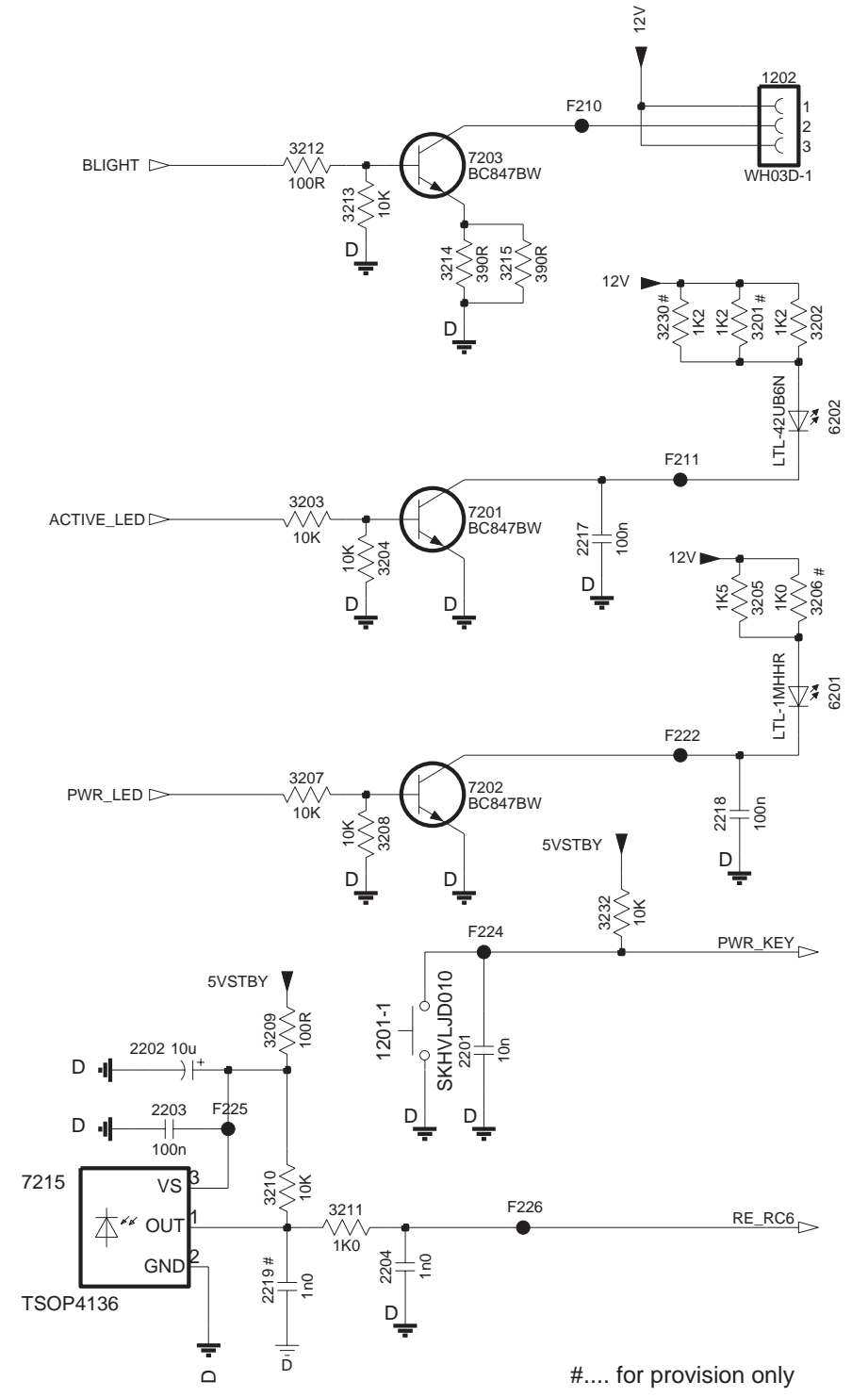
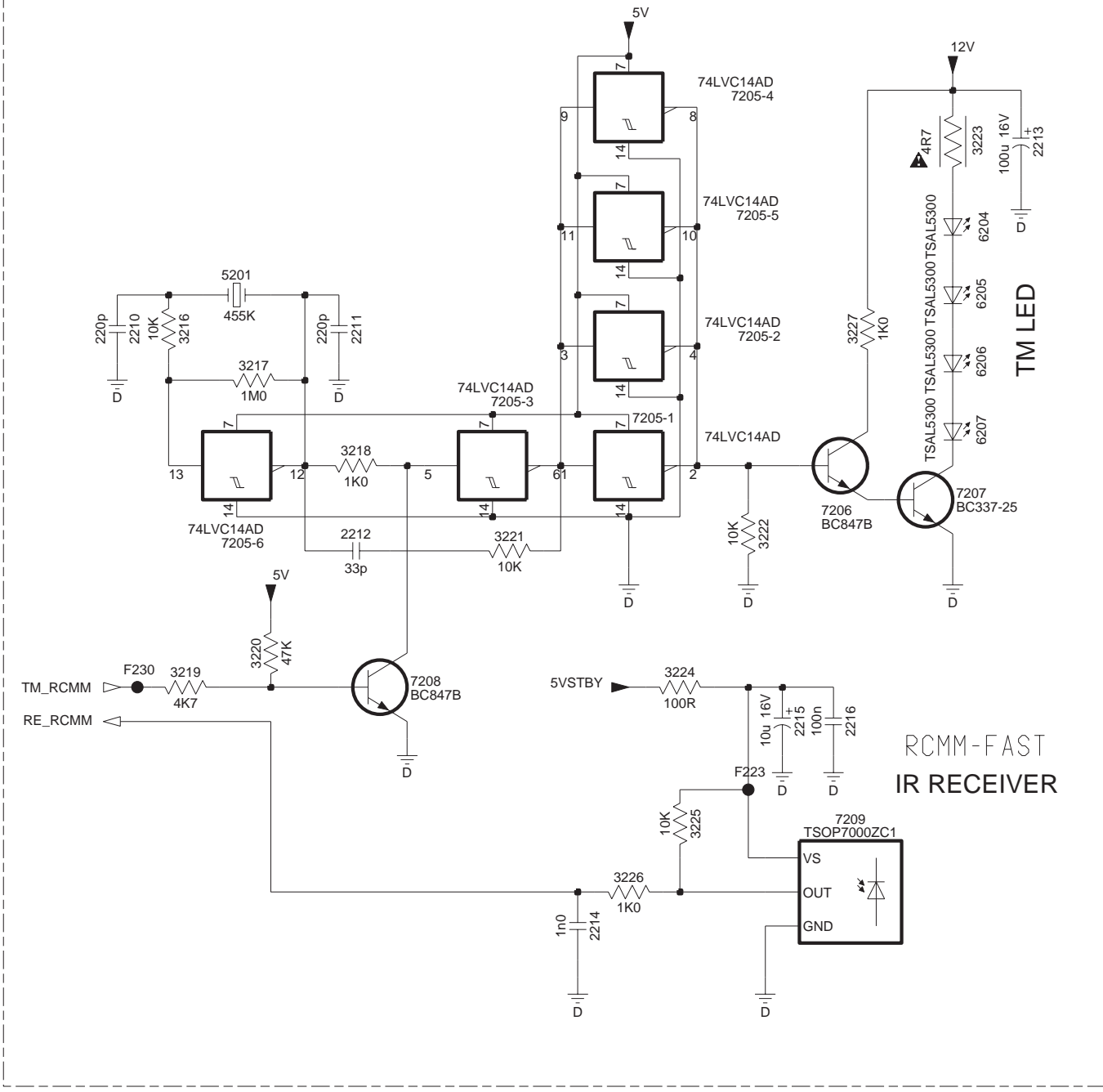
**Boards can be ordered with the following codenumbers:
Main Board EUR Version /00/05/19..... 3103 308 67800
Main Board NAFTA Version /37..... 3103 308 67810**



- 1101 A9
- 1102 D13
- 1103 G13
- 1104 F13
- 1105 I1
- 1106 G13
- 2101 A2
- 2102 C4
- 2103 C4
- 2104 E4
- 2105 D4
- 2106 F4
- 2107 F4
- 2108 G4
- 2109 G4
- 2110 I10
- 2113 H8
- 2114 I8
- 2115 H12
- 2116 H12
- 2117 G13
- 2118 F13
- 2119 F12
- 2120 E11
- 2121 E12
- 2122 E11
- 2123 D12
- 2124 G6
- 2127 H8
- 2128 I8
- 2130 A3
- 2131 A3
- 2131 A2
- 2132 B4
- 2133 B5
- 2134 B5
- 2135 B5
- 2136 B3
- 2137 C3
- 2138 D3
- 2139 B9
- 2140 B9
- 2141 C5
- 2142 D5
- 2143 D5
- 2144 D5
- 2145 E5
- 2146 D4
- 2147 D4
- 2148 D4
- 2149 I7
- 2150 I8
- 2151 C11
- 2152 D10
- 2153 D10
- 2154 D11
- 2155 C11
- 2156 D12
- 2157 E5
- 2158 E4
- 2159 D4
- 2160 D5
- 2161 F5
- 2162 G5
- 2163 G6
- 2164 H4
- 2165 F4
- 2166 E3
- 2167 C2
- 2168 C2
- 2169 C8
- 2170 C9
- 2171 C3
- 2172 H10
- 2173 H10
- 2174 D3
- 2175 G6
- 2176 G6
- 2177 H10
- 2178 H10
- 2179 H10
- 2180 H10
- 2181 H10
- 2182 H10
- 2183 H10
- 2184 H10
- 2185 H10
- 2186 H10
- 2187 H10
- 2188 H10
- 2189 H10
- 2190 H10
- 2191 H10
- 2192 H10
- 2193 H10
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- 2197 H10
- 2198 H10
- 2199 H10
- 2200 H10

2 SL-300i FRONT AREA

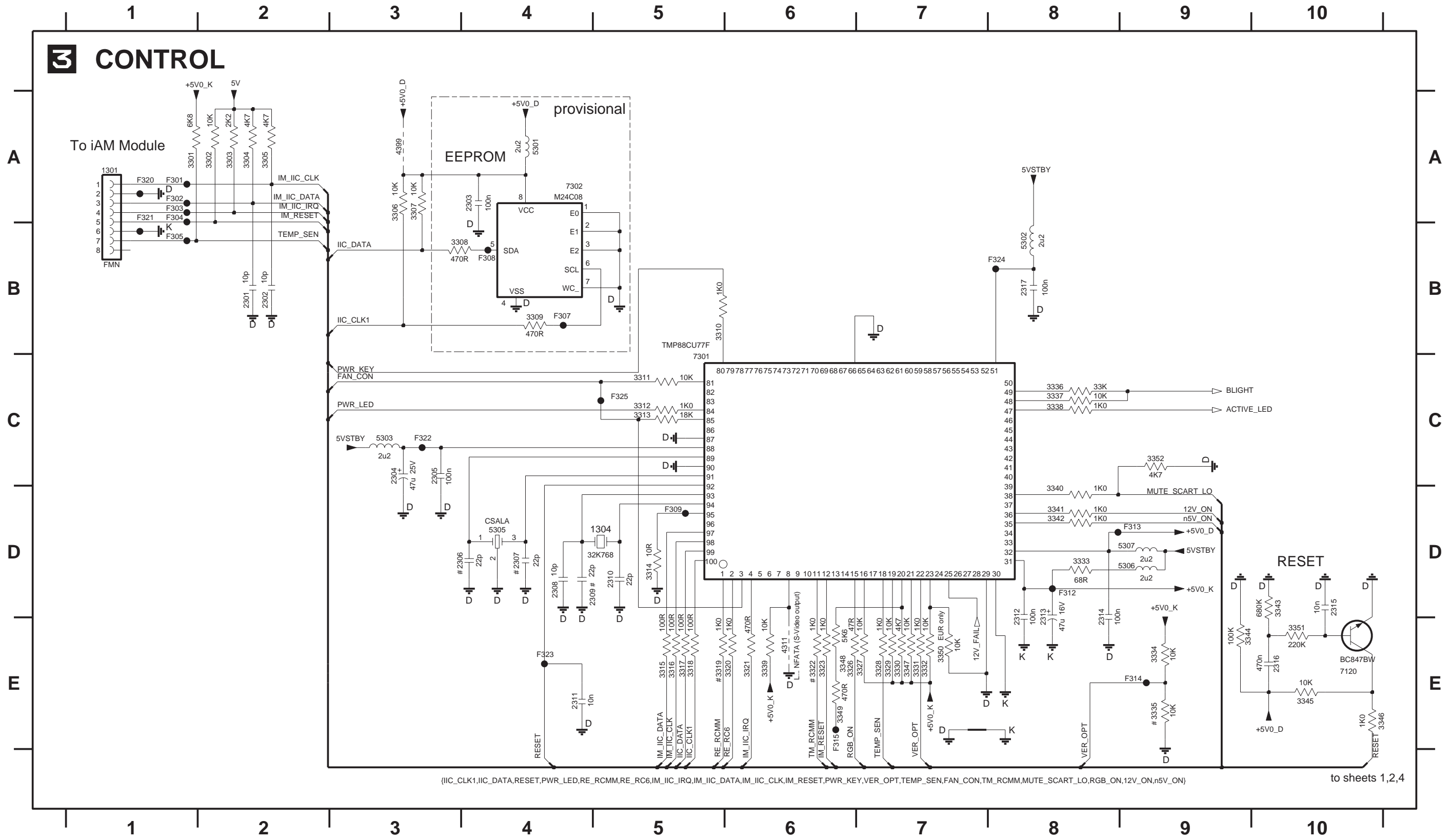
provisional



#.... for provision only

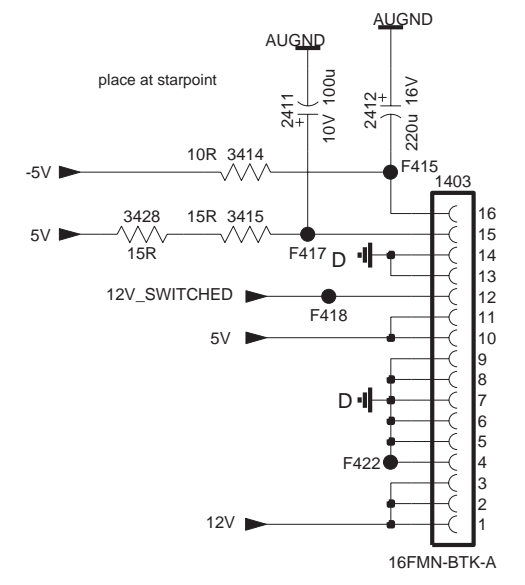
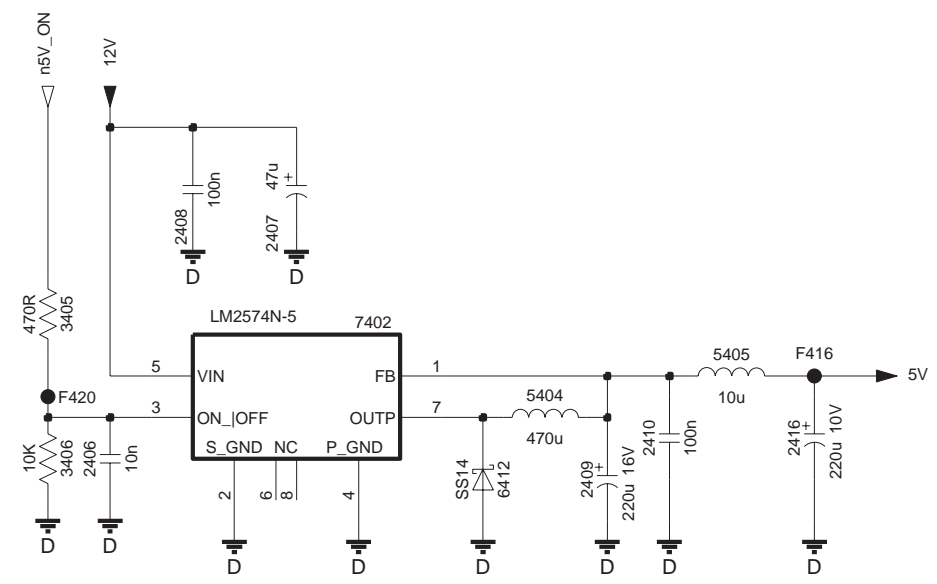
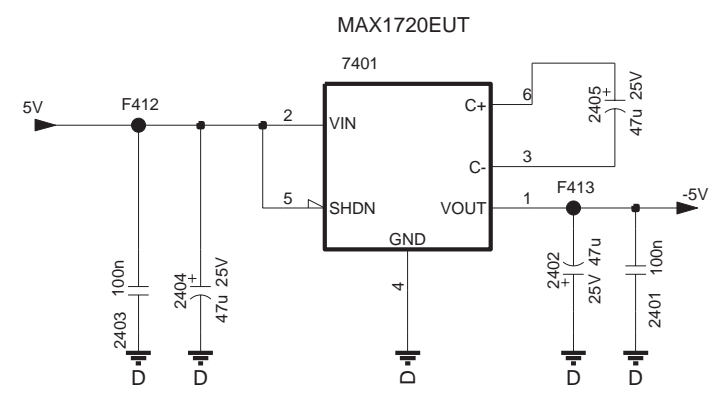
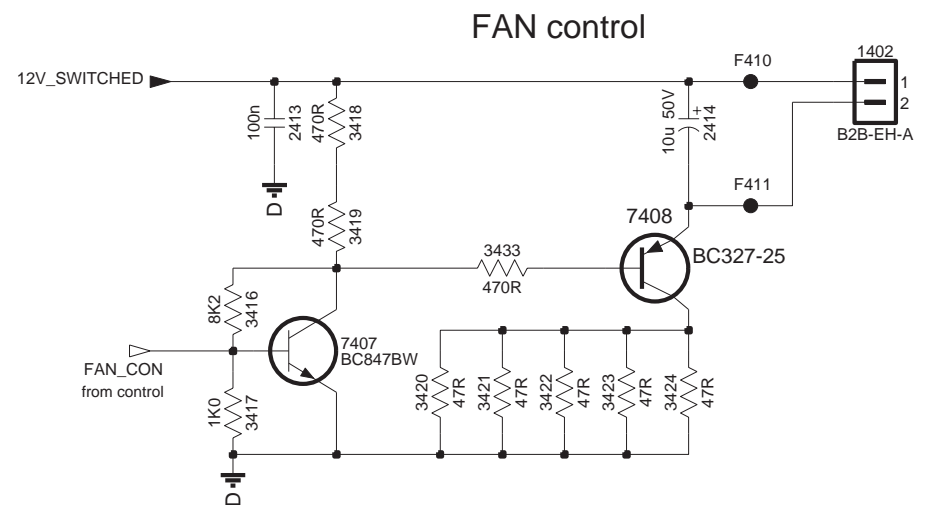
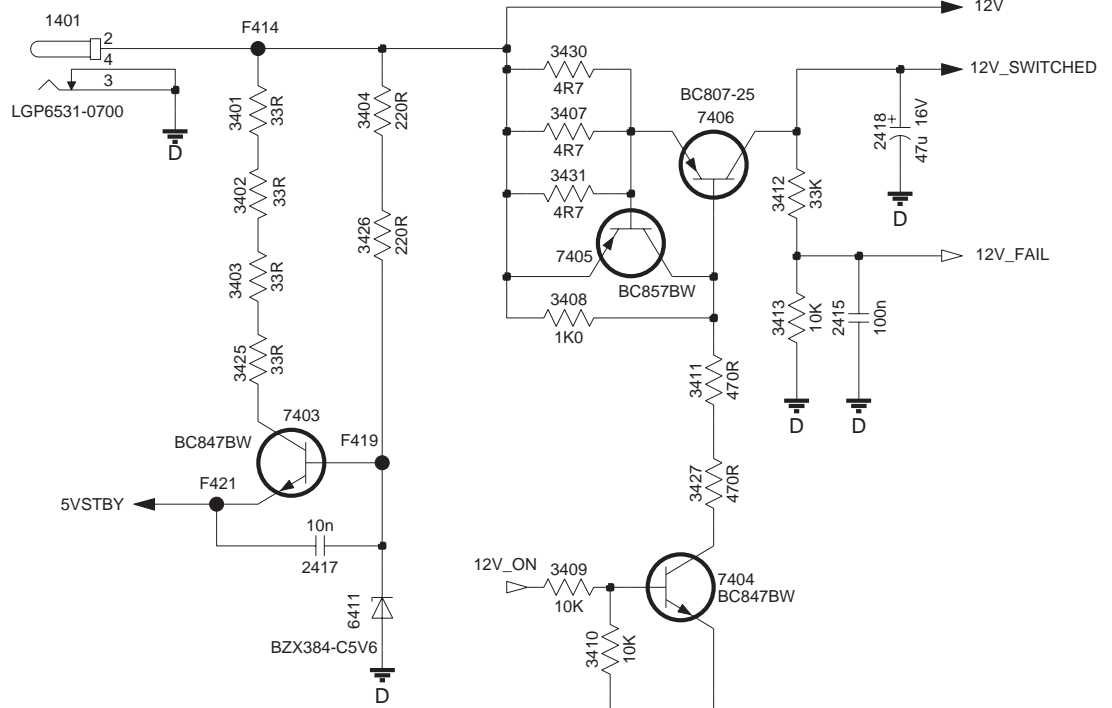
- 1201-1 E7
- 1202 B8
- 2201 E7
- 2202 E6
- 2203 E6
- 2204 F7
- 2210 C1
- 2211 C2
- 2212 D2
- 2213 B5
- 2214 E3
- 2215 D4
- 2216 D4
- 2217 C8
- 2218 D8
- 2219 F7
- 3201 C8
- 3202 C8
- 3203 C7
- 3204 C7
- 3205 D8
- 3206 D8
- 3207 D7
- 3208 D7
- 3209 E7
- 3210 F7
- 3211 F7
- 3212 B7
- 3213 B7
- 3214 B7
- 3215 B8
- 3216 C1
- 3217 C1
- 3218 C2
- 3219 D1
- 3220 D1
- 3221 D3
- 3222 D4
- 3223 B4
- 3224 D3
- 3225 E3
- 3226 E3
- 3227 C4
- 3230 C8
- 3232 E8
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- 7202 D7
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- 7205-4 B4
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- 7205-6 D1
- 7206 D4
- 7207 D4
- 7208 D2
- 7209 E4
- 7215 F6
- F210 B8
- F211 C8
- F222 D8
- F223 E4
- F224 E8
- F225 E7
- F226 F8
- F230 D1

1301 A1	2303 A4	2307 D4	2311 E4	2315 D10	3302 A2	3306 A3	3310 B5	3314 D5	3318 E5	3322 E6	3328 E7	3332 E7	3336 C8	3340 C8	3344 E9	3348 E6	3352 C9	5302 B8	5307 D9	F301 A1	F305 B1	F312 D8	F320 A1	F324 B8
1304 D5	2304 C3	2308 D4	2312 D8	2316 E10	3303 A2	3307 A3	3311 C5	3315 E5	3319 E5	3323 E6	3329 E7	3333 D8	3337 C8	3341 D8	3345 E10	3349 E6	4311 E6	5303 C3	7120 E10	F302 A1	F307 B4	F313 D9	F321 A1	F325 C5
2301 B2	2305 C3	2309 D5	2313 D8	2317 B8	3304 A2	3308 B3	3312 C5	3316 E5	3320 E6	3326 E6	3330 E7	3334 E9	3338 C8	3342 D8	3346 E10	3350 E7	4399 A3	5305 D4	7301 B5	F303 A1	F308 B4	F314 E9	F322 C3	
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1401 A1	2402 E3	2406 E4	2410 E6	2414 A8	2418 A4	3404 A2	3408 B3	3412 A4	3416 B7	3420 B7	3424 B8	3428 C8	5404 E6	7401 D2	7405 B3	F410 A8	F414 A2	F418 D8	F422 D9
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4 SUPPLY

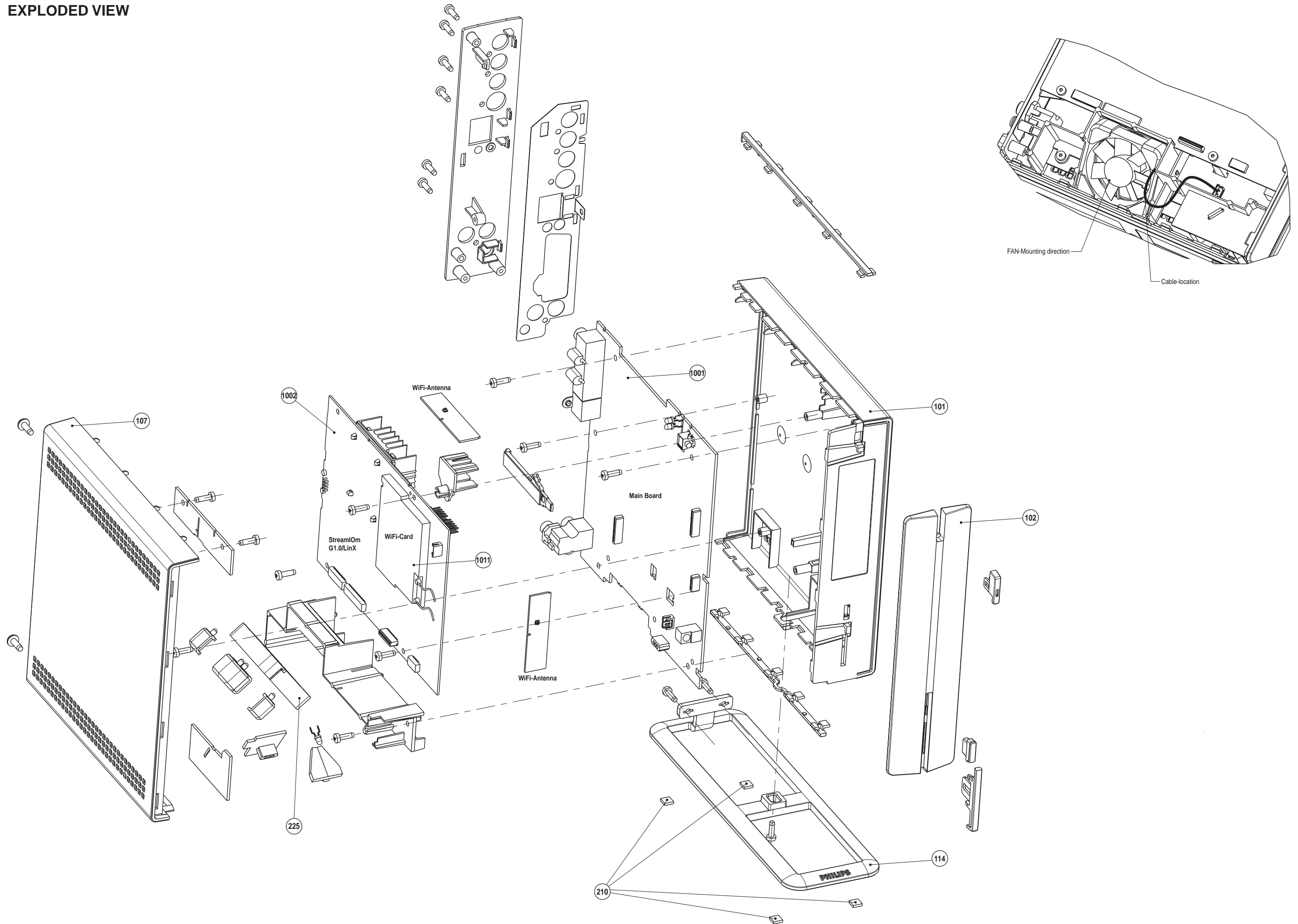


to StreamIOM

EXPLODED VIEW

5-1

5-1



PARTSLIST

101	3103 607 50801	Cabinet Right
102	3103 607 50831	Window Front
107	3103 607 50822	Cabinet Left
114	3103 607 50901	Stand
210	3103 301 72061	Rubber
225	3139 118 79761	Fan KD1245PFS3
1001	3103 308 67800	PBAS Main Board SL300i EUR (not for /37)
1001	3103 308 67810	PBAS Main Board SL300i NAFTA (only for /37)
1002	3103 308 67790	PBAS StreamIom G1.0/LinX
1011	3103 308 55421	WiFi-Card WMOD WiFi-G MPC1 WN4401A EU
8002	3103 308 94031	Cable CRC 1P/140/1P CRC F-MF BK
8003	3103 308 94031	Cable CRC 1P/140/1P CRC F-MF BK
8010	3103 308 93983	FFC Foil 16P/120/16P BD 1.0MMP
8020	3103 308 93962	FFC Foil 16P/140/16P BD 1.0MMP
8030	3103 308 93972	FFC Foil 8P/80/8P BD 1.0MMP

REVISION LIST

Service Manual 3103 785 25250 – Version 1.0

- Initial release