



SERVICE MANUAL

MODEL : N10

PORTABLE NAVIGATION SERVICE MANUAL

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

SUPPORT - HOTLINE

www.lge.com/support/software.jsp

For questions on products please visit our
site or contact the Support Team.
Monday-Fridays : 09:00 am - 6:00 pm



MODEL : N10



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SECTION 1. GENERAL

SAFETY PRECAUTIONS

Electrostatically Sensitive Devices (ESD)



Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ESD devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.
6. Do not remove a replacement ESD device from its protective package until immediately before you are ready to install it. (Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).
7. Immediately before removing the protective material from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION : BE SURE NO POWER IS APPLIED TO THE CHASSIS OR CIRCUIT, AND OBSERVE ALL OTHER SAFETY PRECAUTIONS.

8. Minimize bodily motions when handing unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).








CAUTION. GRAPHIC SYMBOLS

	THE LIGHTNING FLASH WITH APOWHEAD SYMBOL. WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK.
	THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF IMPORTANT SAFETY INFORMATION IN SERVICE LITERATURE.

SPECIFICATIONS

ITEM	SPECIFICATION	REMARK
OS	Win CE 5.0	
CPU	ARM9 400 MHz	
MEMORY	512MB/1GB/2GB (It depends on models.)	Built-in Memory
DISPLAY	3.5inch TFT LCD Resolution 320 X 240 LED type Backlight Touch Screen	Analog resistive type
AUDIO	Mono, Internal Speaker	Typical 1.0W (1EA)
GPS	SiRF star III, Internal Antenna	
NAVI	EU (It depends on models.) (TMC : FM Traffic Receiver)	Voice Guidance
MAP	Navteq	
POWER	DC 5V/1A	Vehicle Power Cigar-jack Input (12-24V)
TEMPERATURE	Operating : -10 °C to 60 °C Storing : -30 °C to 80 °C	
Built-in BATTERY	DC 3.7 V (Li-Ion), 1100mAh - MP3 : 5 hours [Brightness: Minimum, Volume: 5 (Center)] - Navigation : 4.5 hours [Brightness: 5 (Center) , Volume: 5 (Center)] - Photo : 5 hours [Brightness: 5 (Center) , Volume: 5 (Center)]	
INTERFACE	Mini-USB Port External GPS Jack	USB 2.0
Multimedia	Image Audio	JPG MP3

❑ ACCESSORIES

				
Main Body	(801) Quick Reference Guide	(825) USB Cable	(827) Car charger with TMC antenna	(830) Windshield mount
				
(835) Installation CD	(836) GPS Antenna (Optional)			

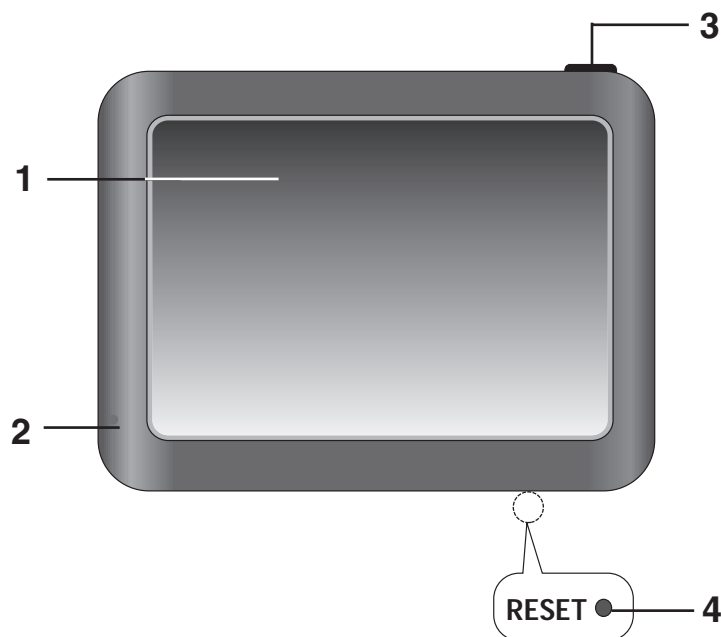
Contents may be changed without notices.

Option table by models

Model	Bluetooth	TMC	TTS
N10E	X	X	X
N10T	X	X	O
N10R	X	O	X
N10B	O	X	X
N10Z	X	O	O
N10Y	O	O	O
N10S	O	X	O
N10Q	O	O	X

□ NAME OF EACH PART

• Front panel



1. LCD

2. Microphone (for only with Bluetooth wireless technology)

3. POWER (⏻)

- Power on: Press and hold this button in power off status.
- Power off: Press this button for about 2 seconds in power on status.
- Handy setup: Press this button briefly in power on status.

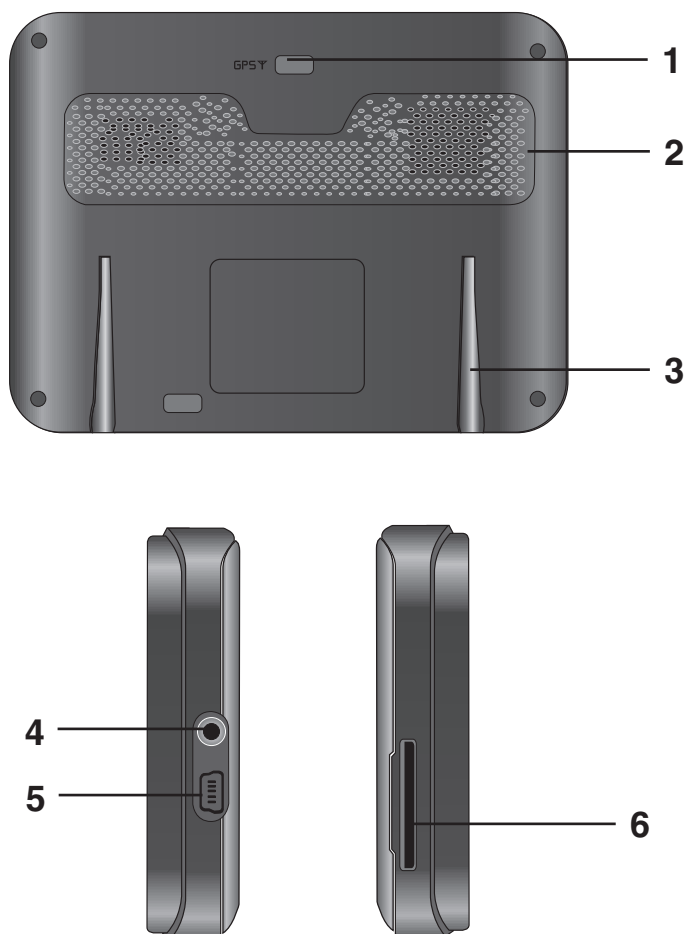
4. RESET hole

If the unit does not respond, press the RESET hole using a ball point pen or a similar tool.



- To activate the menu function on LCD screen, touch the LCD screen with your finger.
- If you cut the external power supply or the battery level is too low, the device will be turned off after a few seconds.

- **Rear / Side panel**



1. External GPS Antenna Port

2. Speaker

3. Docking connector

4. Earphone jack

5. USB port/ Power supply connector (DC5V)

6. Memory Card Slot
Insert a SD Memory Card.



Deleting or altering the map data in the built-in memory may cause problems in the navigating operation.

SUPPORT-HOTLINE

If you have other questions about the Navigation Device, please contact your supplier or
Technical Support:

www.lge.com/support/software.jsp

For questions on products please visit our
site or contact the Support Team.

Monday-Fridays : 09:00 am - 6:00 pm

LG Subsidiary	Country	Service Number
LG Electronics ESPANA S.A.	SPAIN	902 500 234
LG Electronics U.K. Ltd	U.K. / IRELAND	0870 873 5454
LG Electronics France	FRANCE	0825-825-592
LG Electronics Deutschland GmbH	GERMANY	01805 4737 84
LG Electronics Italia S.p.A	ITALY	39 199600099
LG Electronics Hellas S.A	GREECE	801-11-200-900
LG Electronics Benelux B.V	BELGIUM LUXEMBOURG Netherlands	015-200-255 +32-15-200-255 0900-543-5454
LG ELECTRONICS MAGYAR KFT	HUNGARY Bulgaria	0640-545454 0700-1-5454
LG Electronics Polska Sp. z.o.o	POLAND	801 54 54 54
LG Electronics Portugal, S,A	PORTUGAL	808-78-5454
LG Electronics Nordic AB	SWEDEN DENMARK FINLAND NORWAY	0771 41 4379 8088 5758 0800 116 587 800 18 740
Austria	AUSTRIA SWITZERLAND	0810 144131 0848 543 543
RUMANIA	RUMANIA	40 31 228 3542
CZECH REPUBLIC	CZECH SLOVAKIA	420 810 555 810 421 850 111 154

❑ SOFTWARE UPGRADE METHOD (OS IMAGE)

1. Copy N10 OS images to SD Card.

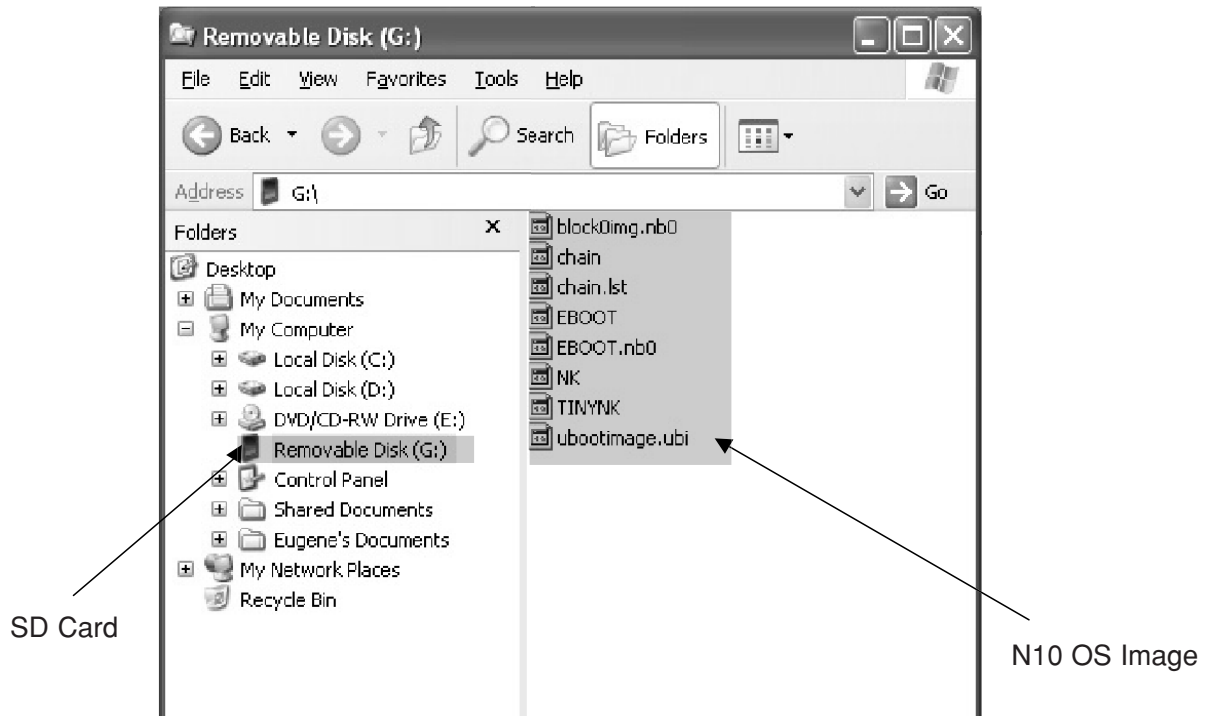


Fig1.OS Image

2. Insert SD Card to N10 then Power ON.

3. OS Downloading screen is displayed.

4. When OS Downloading is completed N10 reboot automatically.

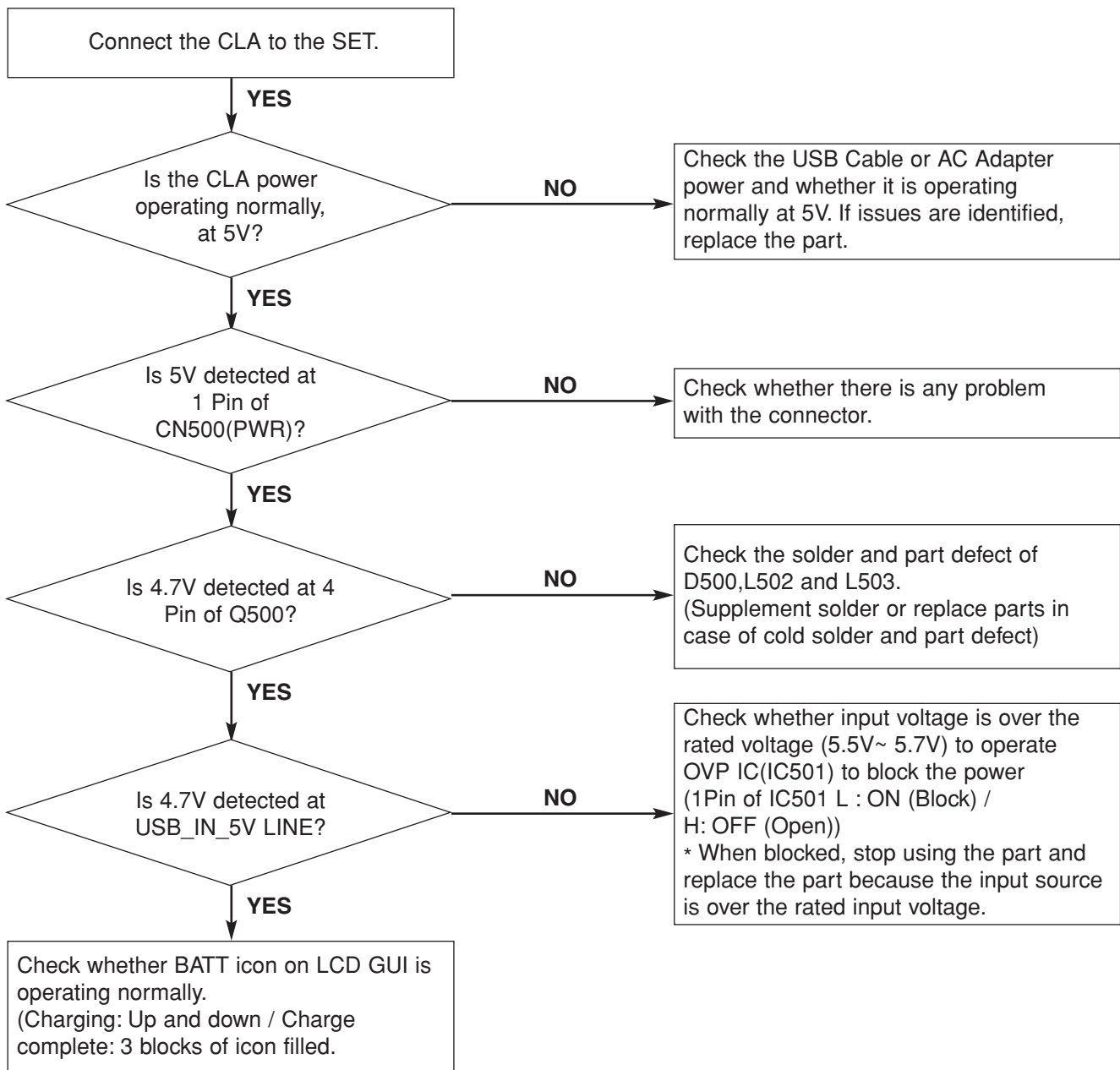
5. Eject SD Card from N10.



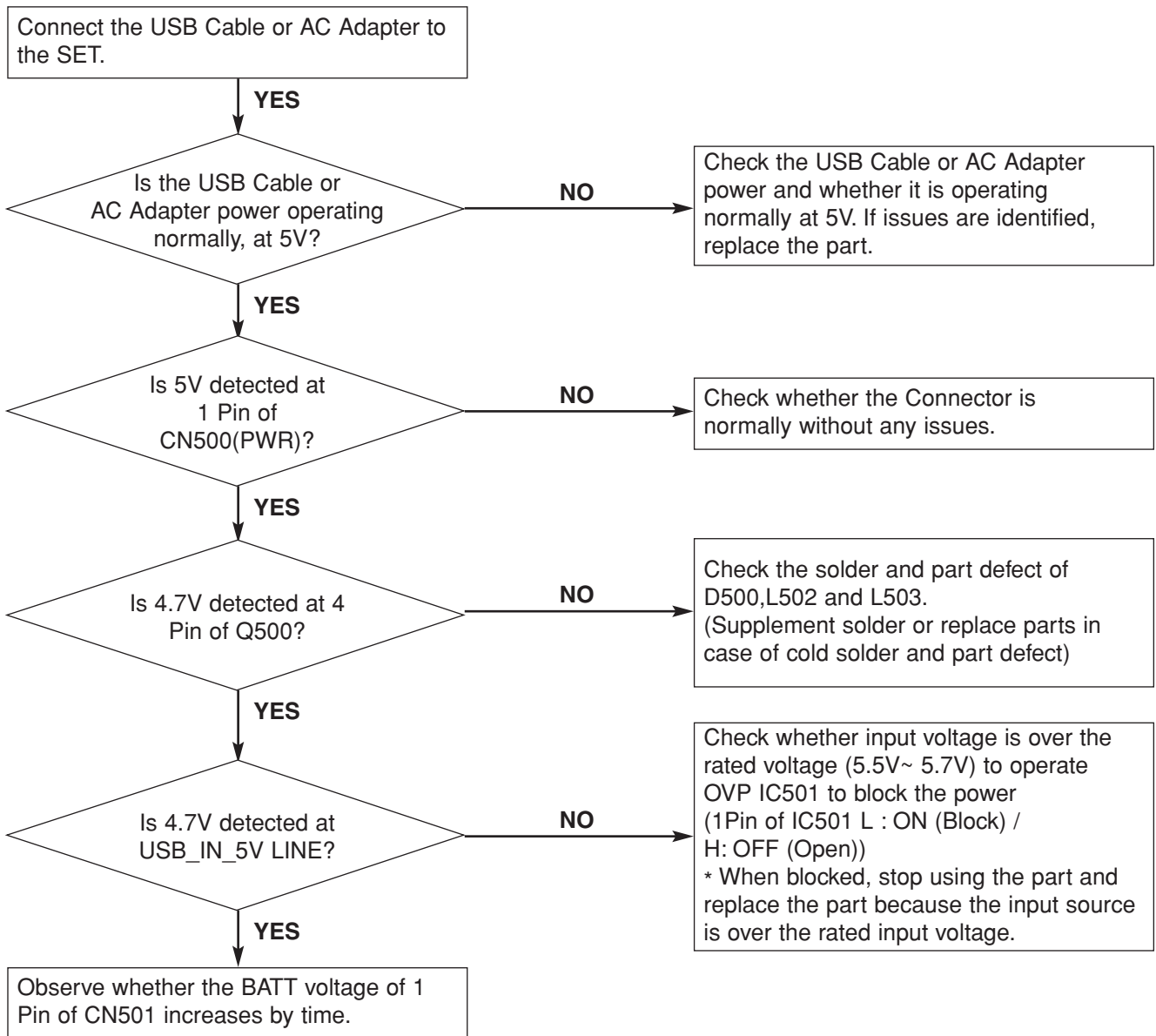
Fig2.OS download

❏ TROUBLESHOOTING GUIDE

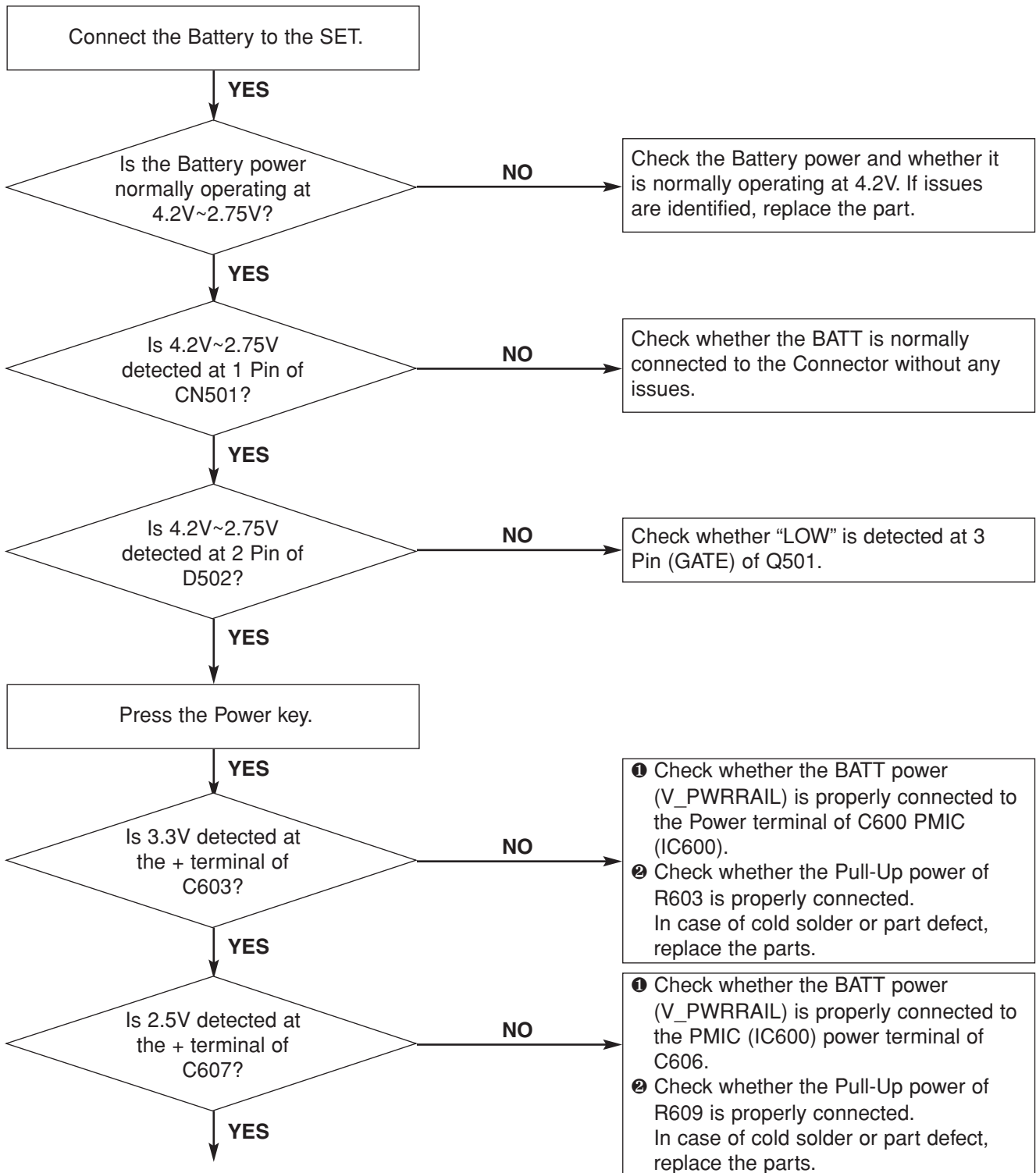
1. CHARGING CIRCUIT (CIGARETTE LIGHTER ADAPTER / AC ADAPTER)

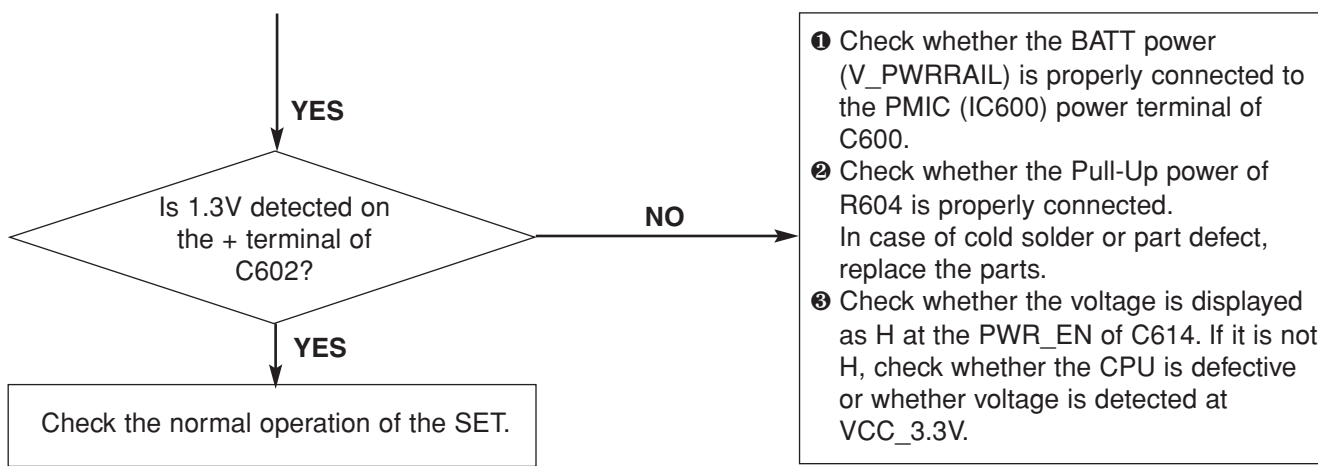


1. CHARGING CIRCUIT (USB CABLE)

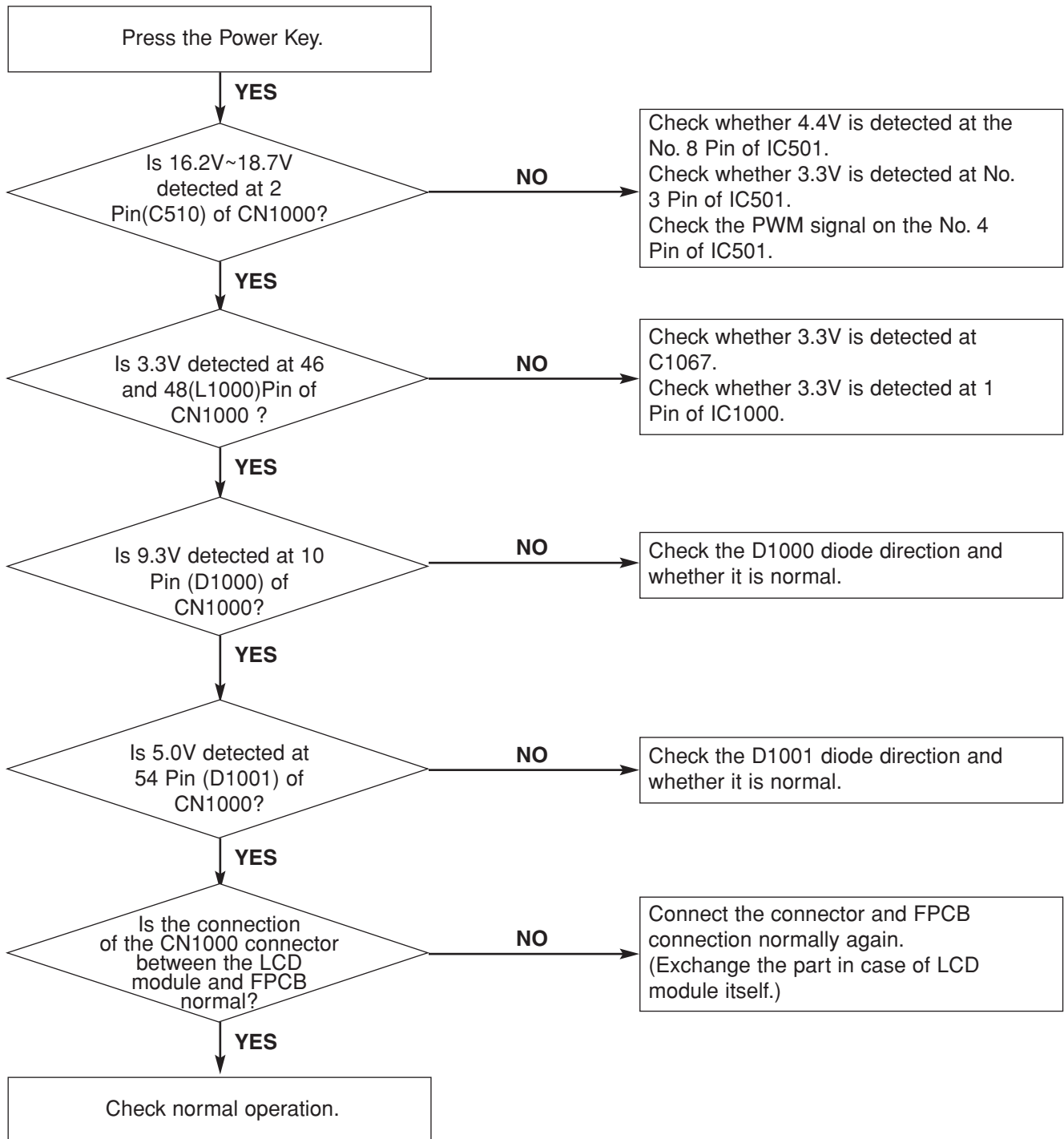


2. POWER CIRCUIT (V_BAT/V_POWERAIL)

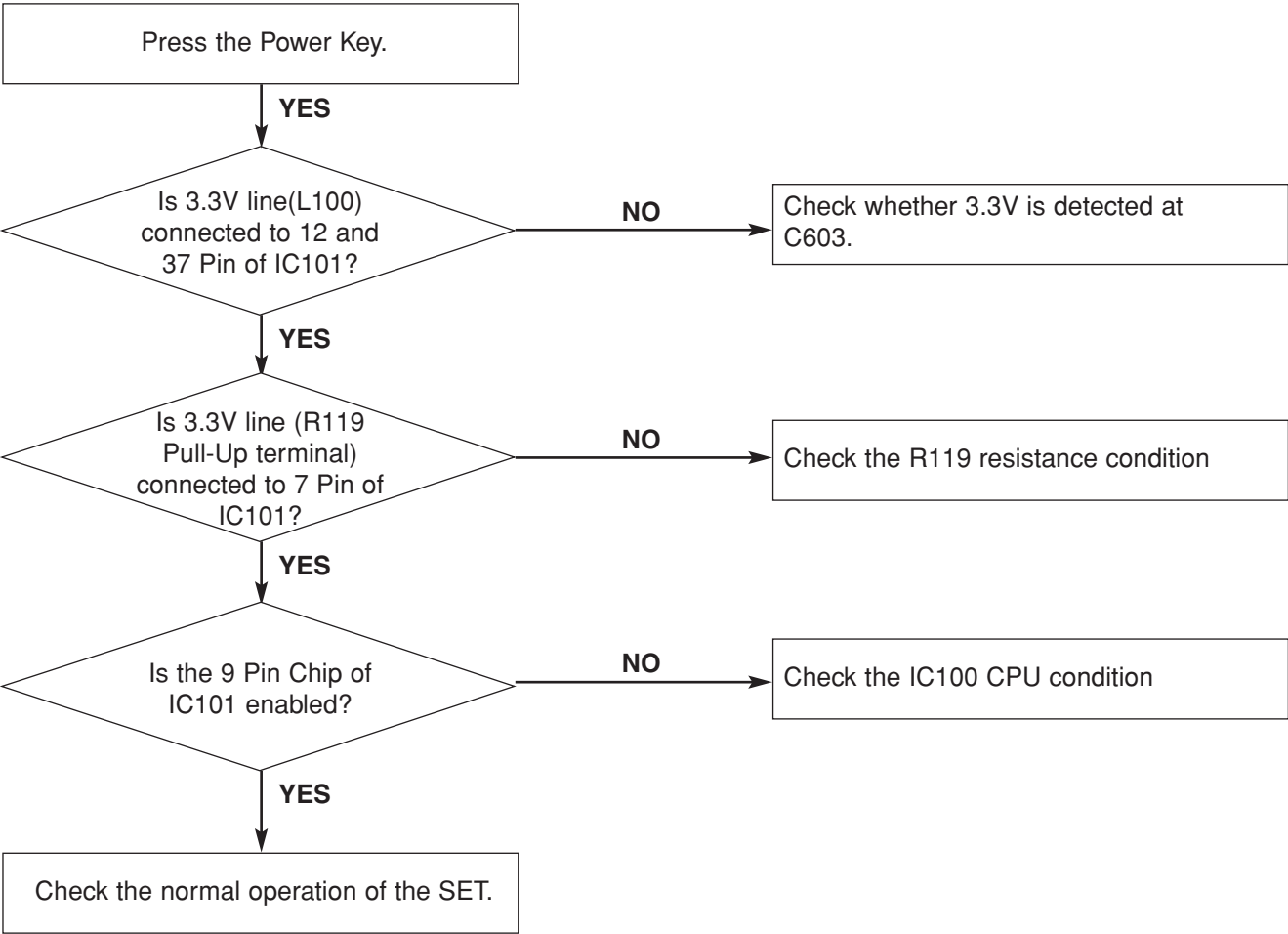




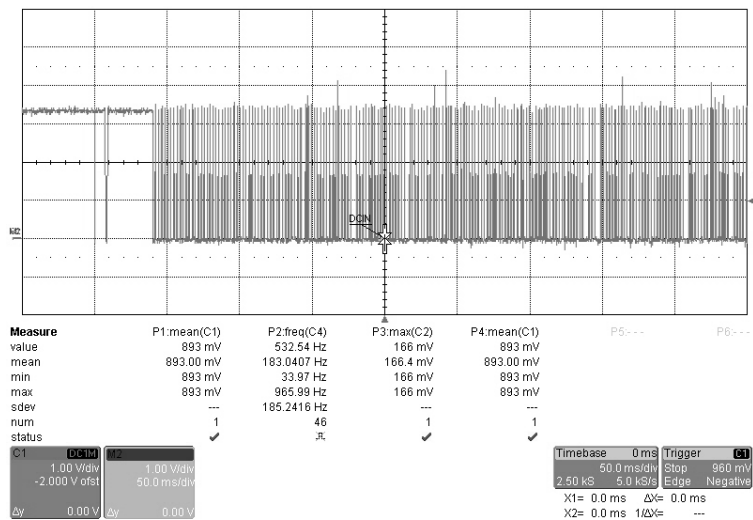
3. DISPLAY (LCD)



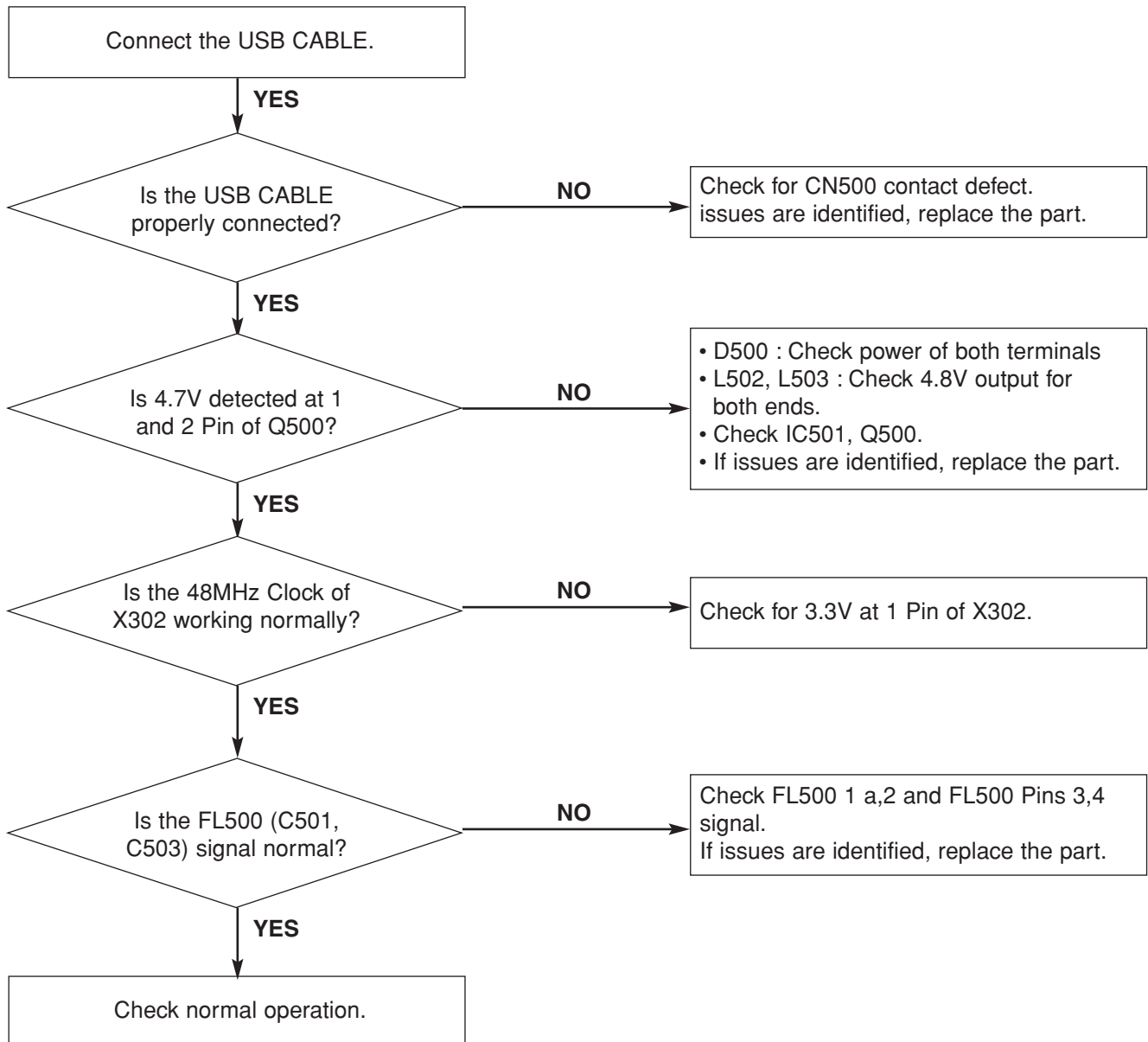
4. NAND



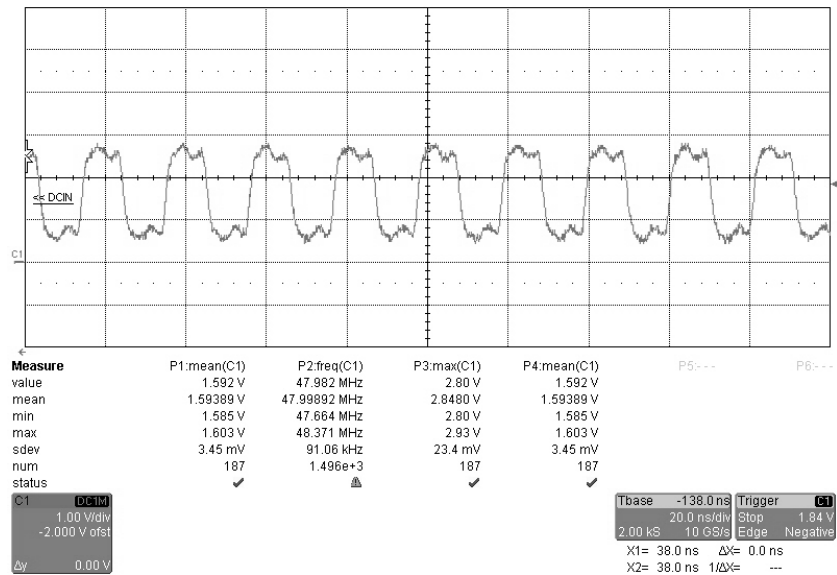
IC101 9 PIN : NAND_CE0# Chip Enable Signal



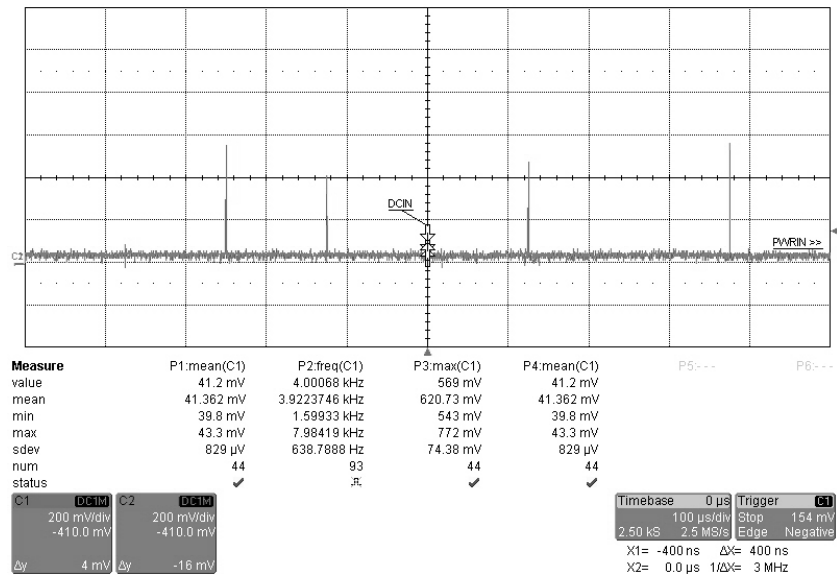
5. USB (SLAVE)



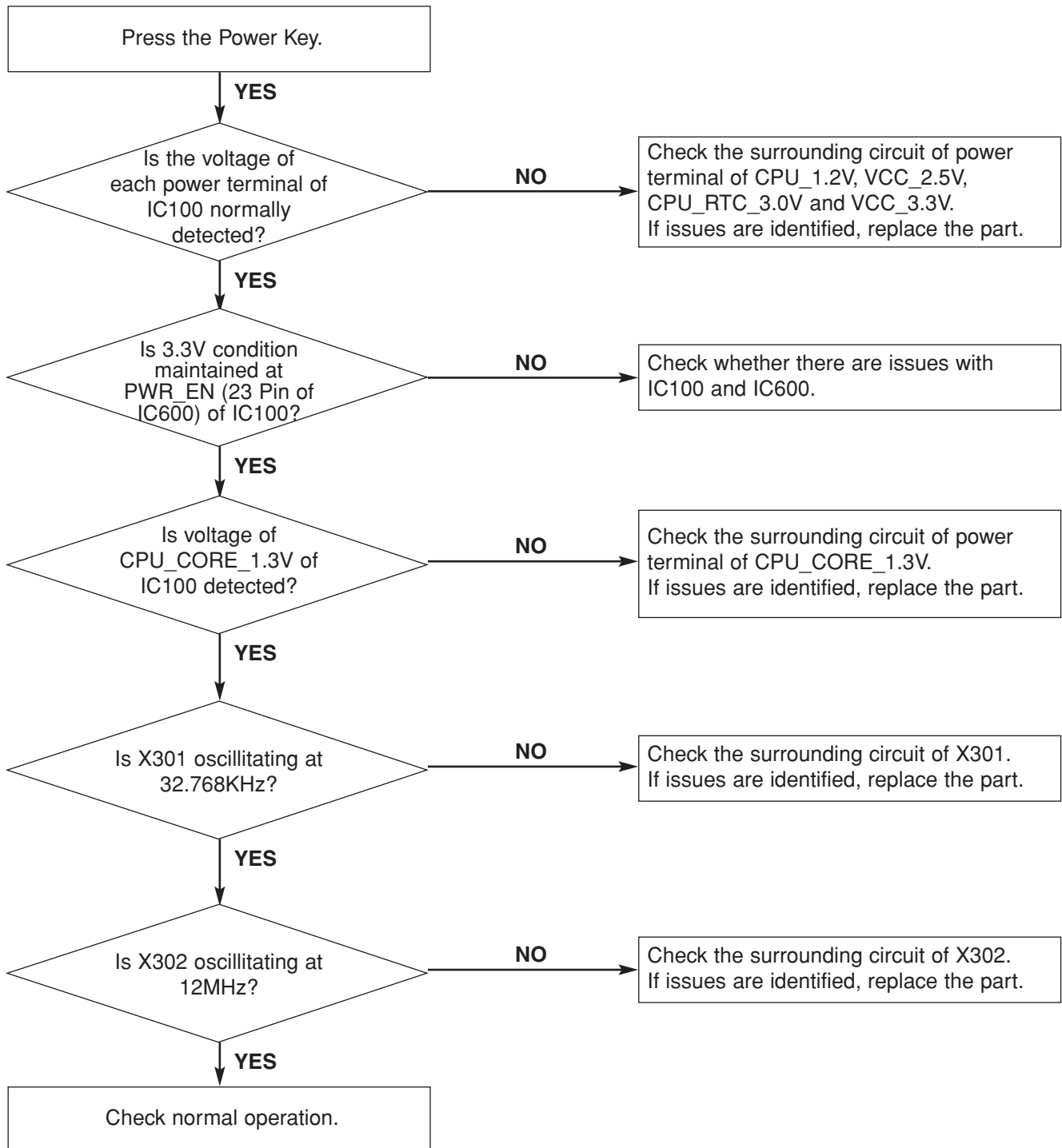
X302 3 Pin : 48MHz



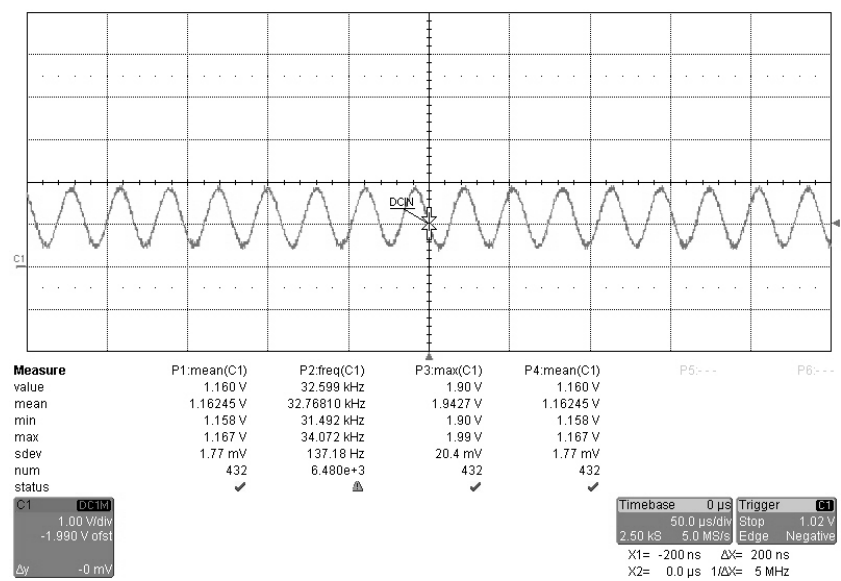
FL500 : USB_D+/USB_D-



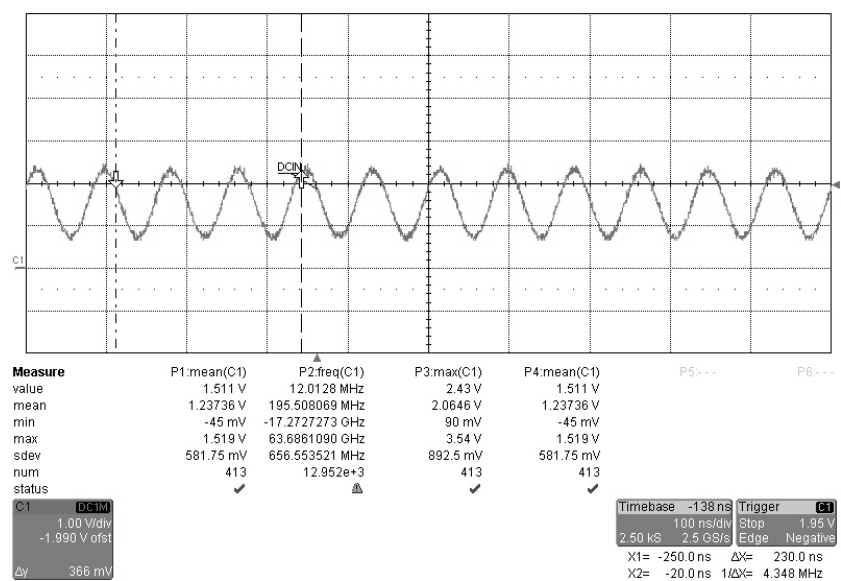
6. CPU CIRCUIT.



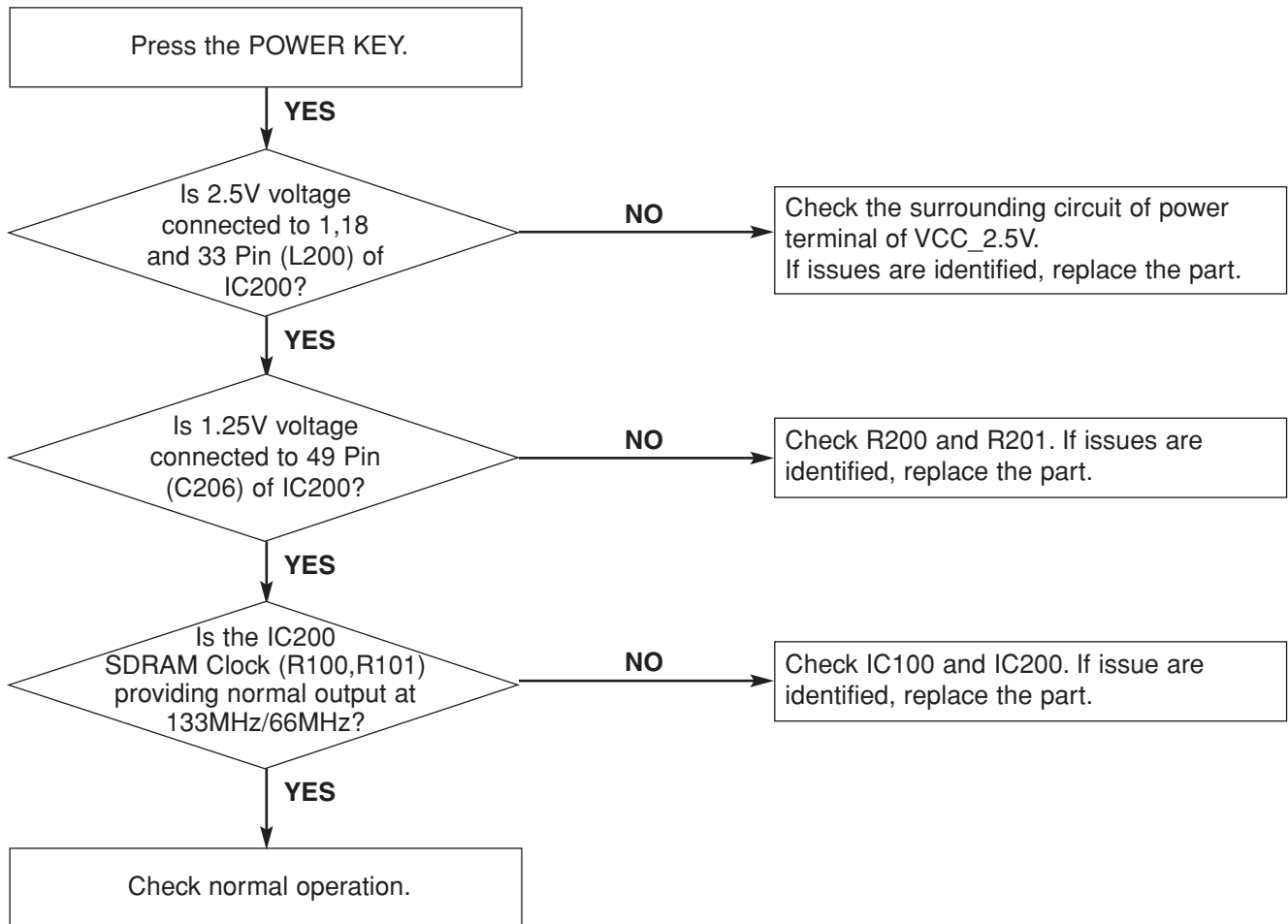
X301 1 and 4 Pin : 32.768KHz



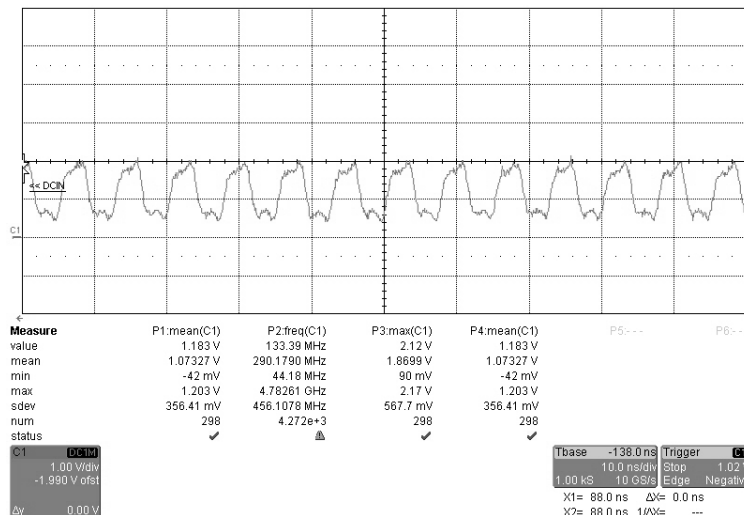
X302 1 and 3 Pin : 12MHz



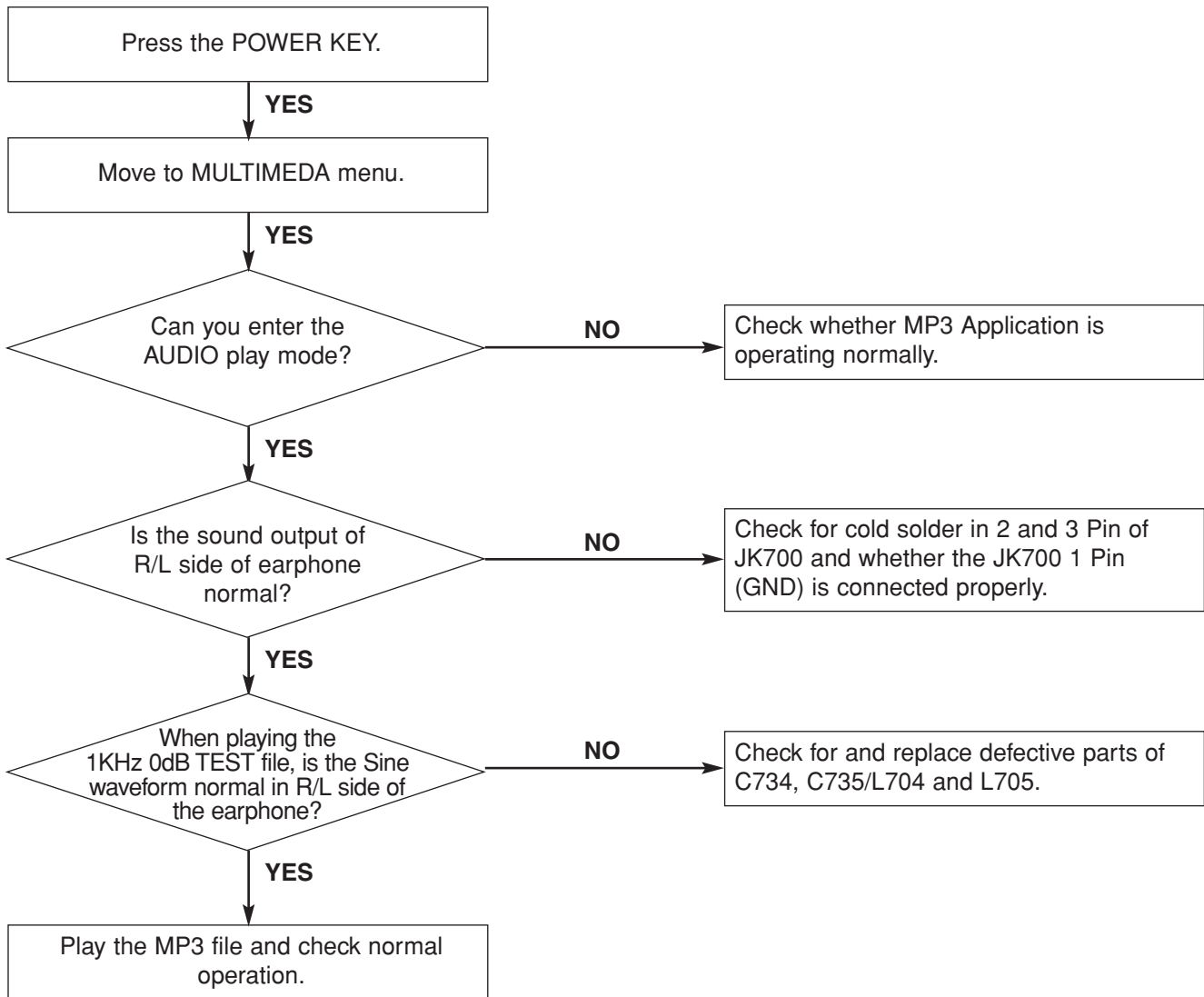
7. DDR1 SDRAM CIRCUIT.



IC200 SDRAM_CK, SDRAM_CK# : 133MHz/66MHz



7. AUDIO RELATED CIRCUIT.



8. GPS

► GPS Factory Mode description

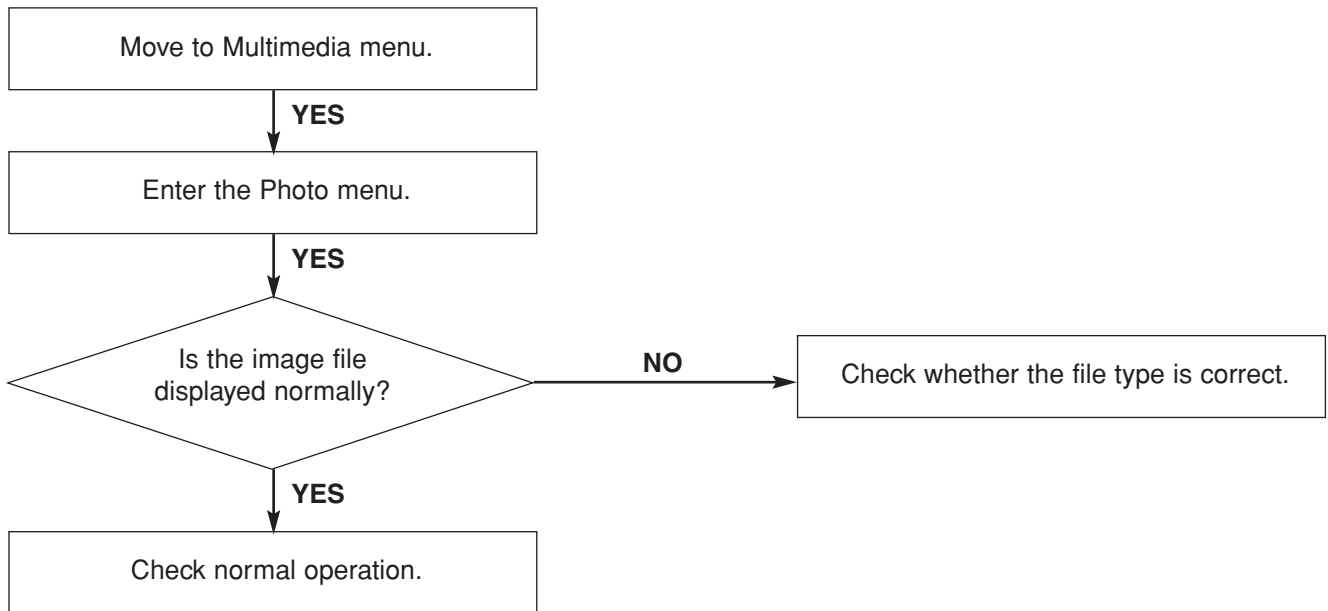
- GPS receiver has 12 channels and can receive up to maximum of 12 satellite signals simultaneously. No. 1 window indicates the signal strength of each satellite, the number on the left side of each bar indicates the unique number of the satellite and the number inside the bar indicates the C/No (Carrier to Noise Ratio) of the satellite signal. Here, green satellite is the satellite for current positioning, can enables positioning when using minimum of 4 satellites. In the above picture, currently 11 satellite signals are received and 9 satellites among these are used for positioning. C/No is normal when the average of the used satellites in the Open Sky environment is about 35.
- No. 2 window refers to the positioning condition of each satellite. Satellite at the center of the circle is the satellite located at 90 degrees to the head and the farther away from the circle indicates the satellite located at the horizon. Also the top of the circle is the north direction and the right side of the circle is the east direction.
- No. 3 window displays the information of UTC (Coordinated Universal Time), latitude, longitude, altitude etc. The following button is the S/W Reset button of the GPS receiver. Each reset has Cold /Warm /Hot. When using the Cold Start that receives the satellite signal again after resetting all saved information, it is normal when the satellite is Re-Positioned within 60 seconds. Re-Positioning is completed when longitude, latitude and altitude information are displayed.



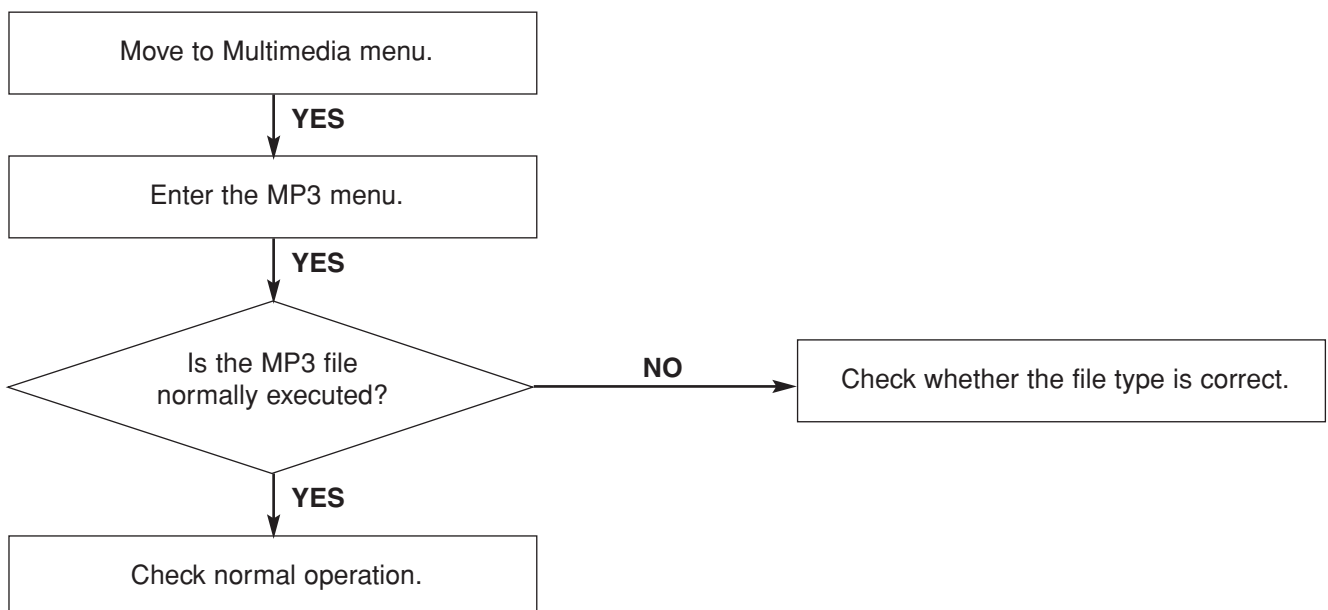
► GPS Trouble Shooting

- When there is a problem with the GPS, enter the above Factory Mode to make the judgment of accept/reject. When communication between the GPS Module and CPU is active, the time will be displayed even when the GPS does not detect the satellite. (When Positioning is not achieved, incorrect time will be displayed.) You can check the communication condition with the CPU based on this observation and when the communication is inactive, try exchanging the GPS Module Cable, GPS Module and Main Board in order.
- When the GPS communication is active but GPS cannot detect the satellite in the Open Sky or when the average C/No of the green satellite is below, exchange the GPS Module.

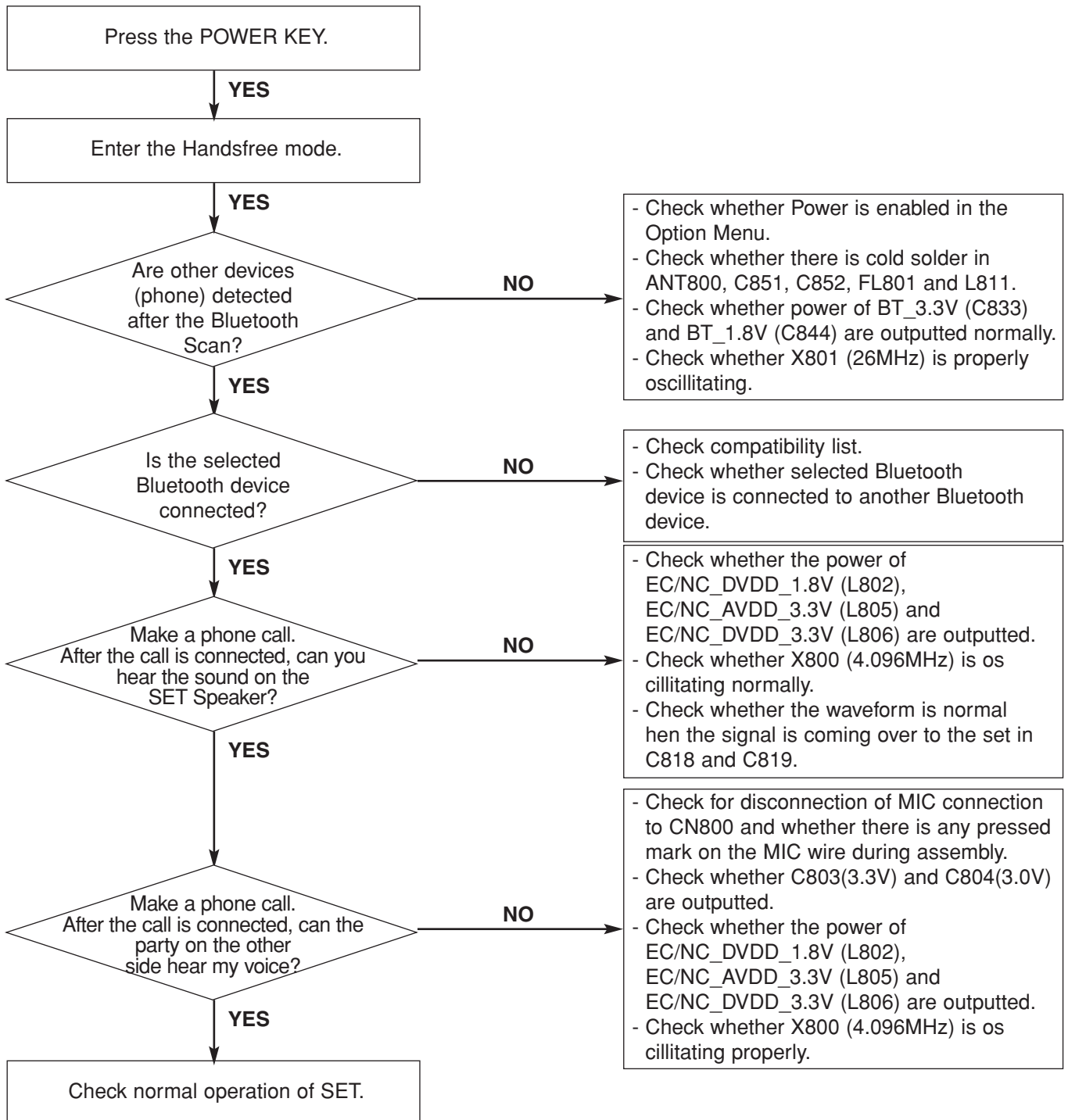
9. PHOTO



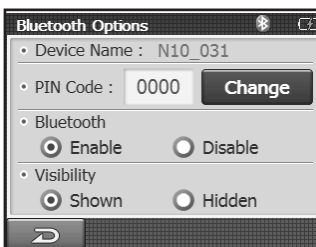
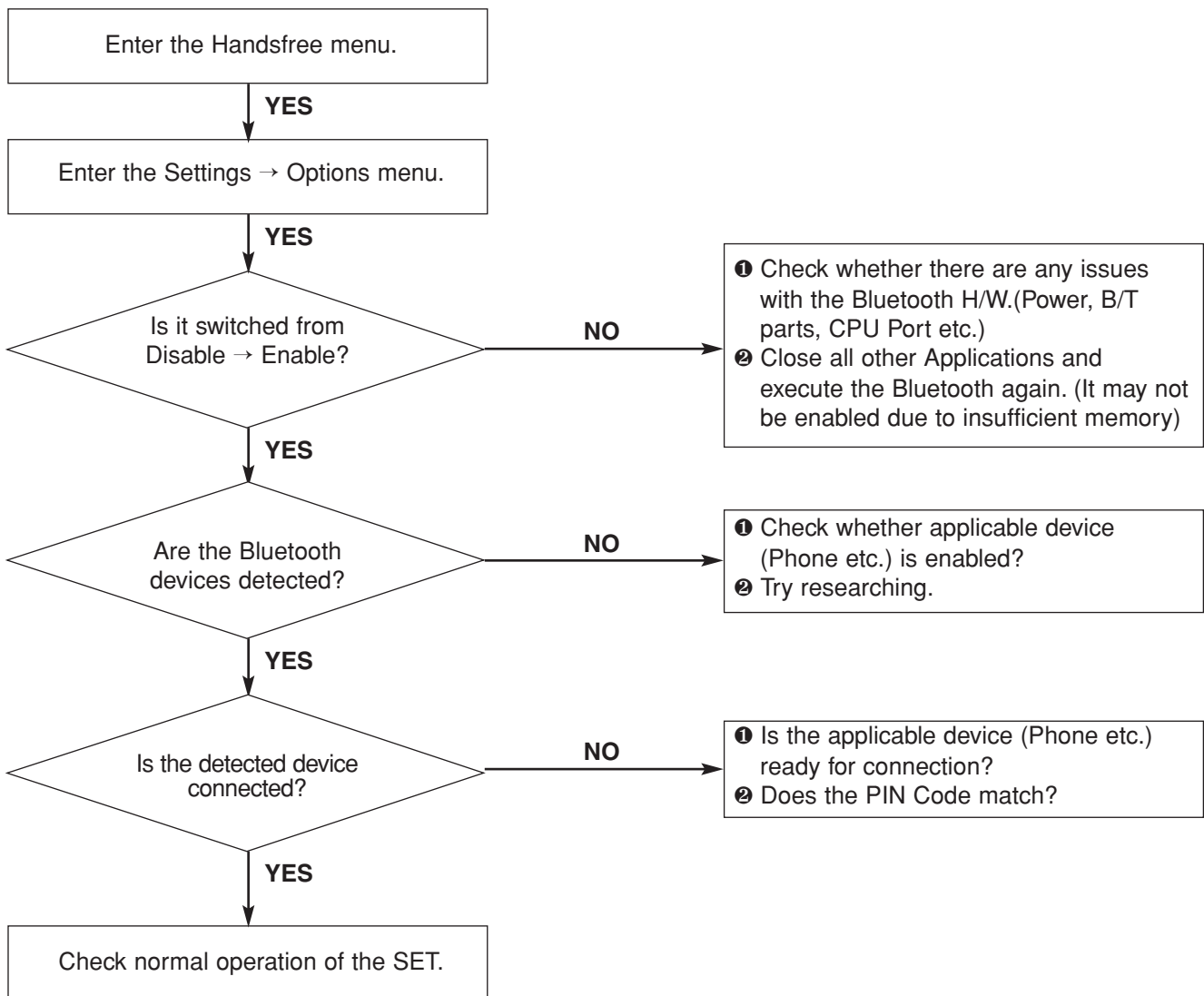
10. MP3



11. BLUE-TOOTH



12. BLUE-TOOTH (ENABLE AND DETECT DEVICE)



Switch from Disable → Enable.



Device search



Device connecti on

13. GENERAL NAVIGATION

Navigation program and map data protection

- If you want to operate this product properly, navigation program and map data provided by LGE should be in LGE folder on your navigation device.
- Don't erase or modify any contents in the LGE folder using USB mass storage connection. (All contents are important to operate navigation. Deleting these data may cause navigation to lead to malfunction.)

Audio streaming

To enjoy high quality music using Bluetooth stereo headsets, we recommend over 16-bit audio with sampling rates of 48KHz and 44.1KHz. (The sound quality depends on sampling rates of audio and your headset.)

Picture format

- JPG: Image file size should be less than 1600 MP (megapixels).

Cannot identify the current location. (GPS not receiving)

GPS cannot be used indoors and must be connected to the power with ACC to a vehicle in a location where the sky can be seen well.

When initially connecting the GPS, it usually takes about 10 minutes to operate normally, but the rates of audio and your headset.

connection speed can differ depending on the weather condition, and surrounding obstacles.

If the GPS connection is unstable for a long period of time, try the following.

- Check if the power is connected to the product.
- Check if the back of the GPS product is in a location where the sky can be seen well.
- If there are high buildings or if you are under a tree, move to a location where there aren't any obstacles.
- Check the GPS receiving condition from the GPS menu.

Cannot hear the voice guide.

You can hear the voice guide when you select "Guidance" in "Setup".

But during actual driving, the voice guide is not heard.

If the volume is too low, adjust the volume on the right unit.

Cannot see the map.

This is when you cannot see the map even when you have executed the navigation menu.

This happens when the data within the memory is damaged. Delete all the data within the memory and reinstall the data.

If the problem persists after the installation, contact the Customer Service Centre.

Map data and dangerous area information are not updated.

You must periodically update the map data.

Refer to the homepage for details on how to update the data.

The path guide can be different from the actual path. (Path guide error)

- When the road is closely parallel.
- When the splitting road angle is very small.
- When there is an adjacent road when turning.
- When driving on a road that is narrowing fast.
- When driving through the mountain or where the road is too curvy.

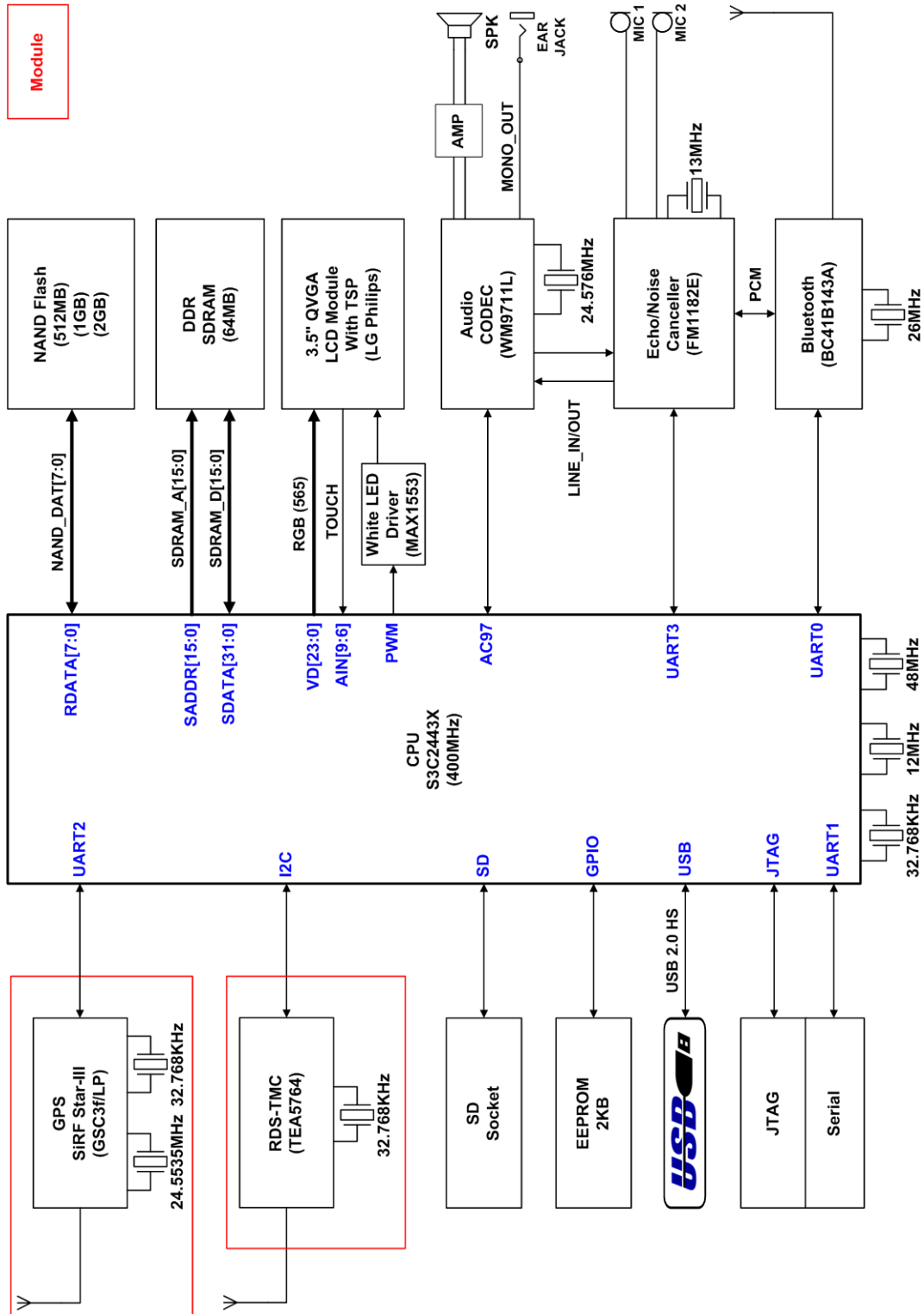
MEMO

Handwriting practice area consisting of 25 horizontal dotted lines.

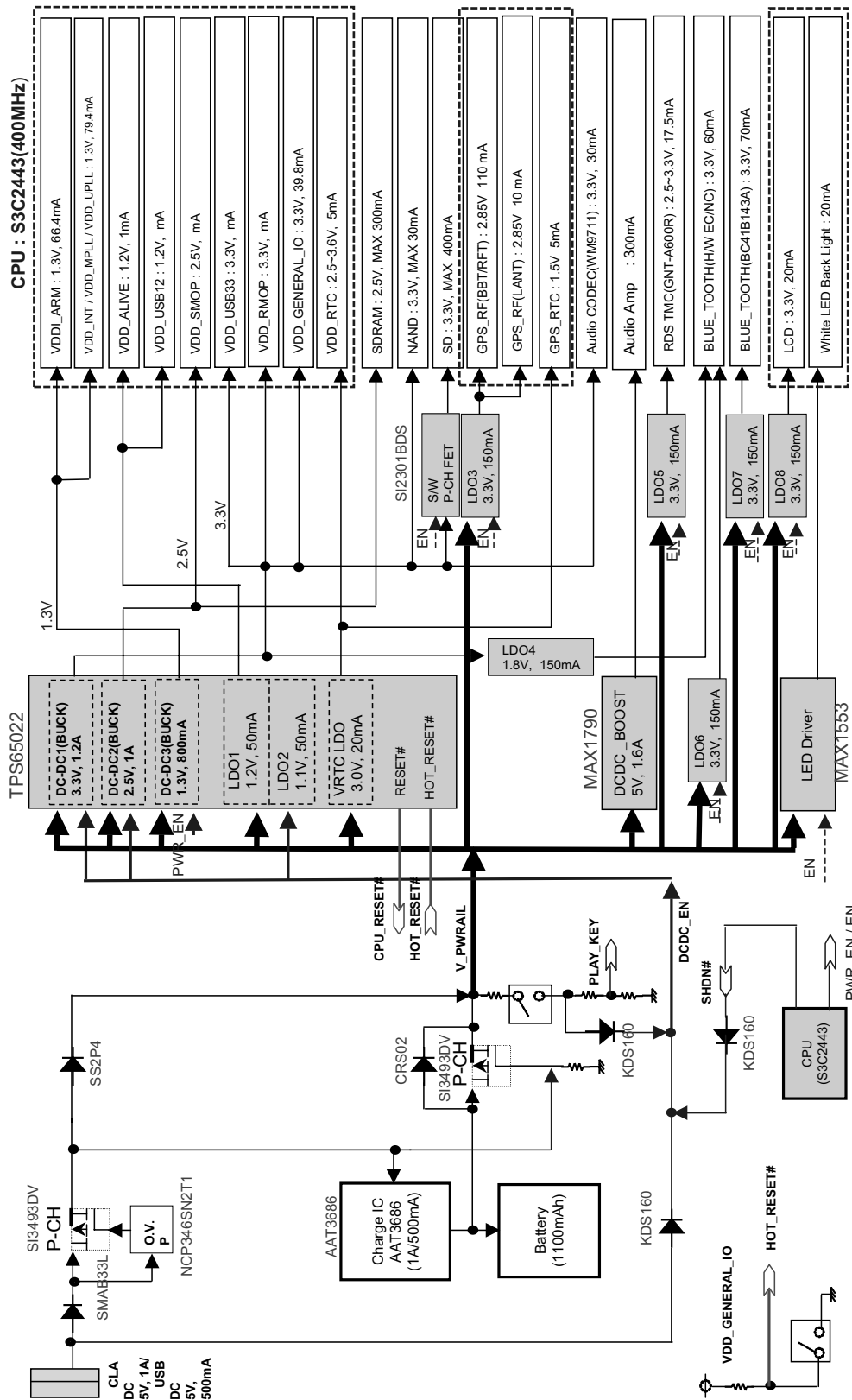
SECTION 2. ELECTRICAL SECTION

□ BLOCK DIAGRAMS

1. SYSTEM BLOCK DIAGRAM



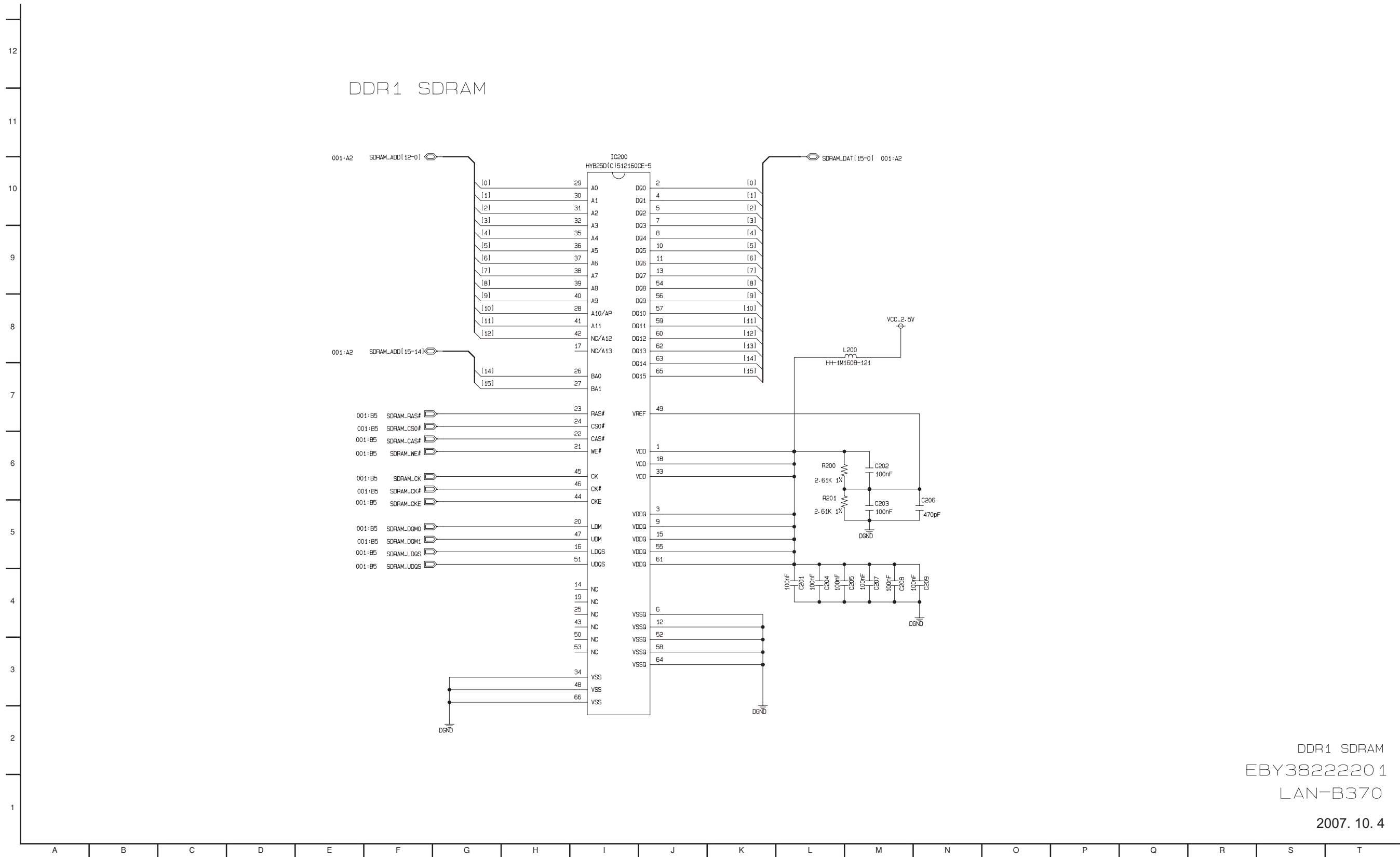
2. POWER BLOCK DIAGRAM



1. CPU MEMORY & NAND SCHEMATIC DIAGRAM



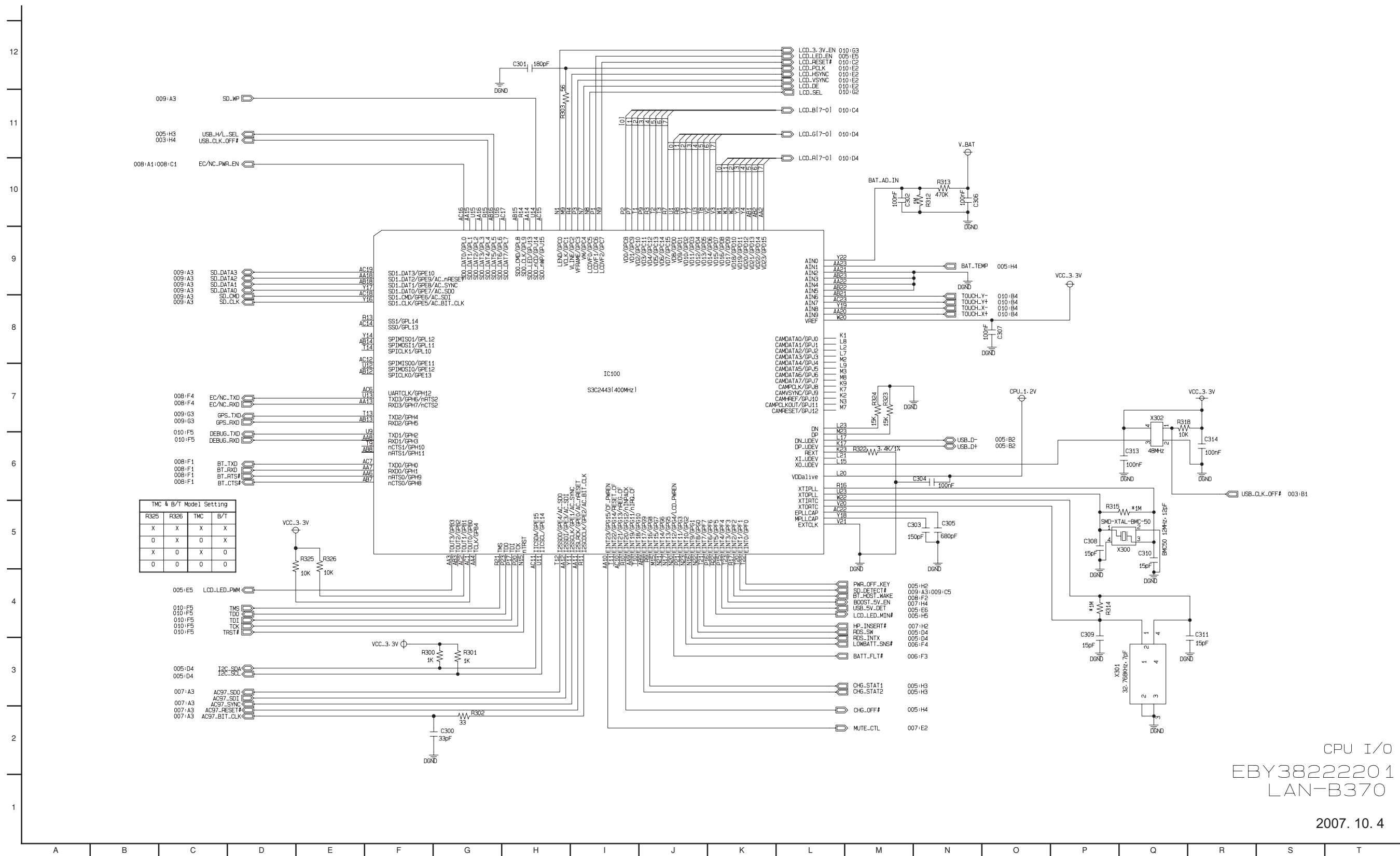
2. DDR1 SDRAM SCHEMATIC DIAGRAM



DDR1 SDRAM
EBY3822220 1
LAN-B370

2007. 10. 4

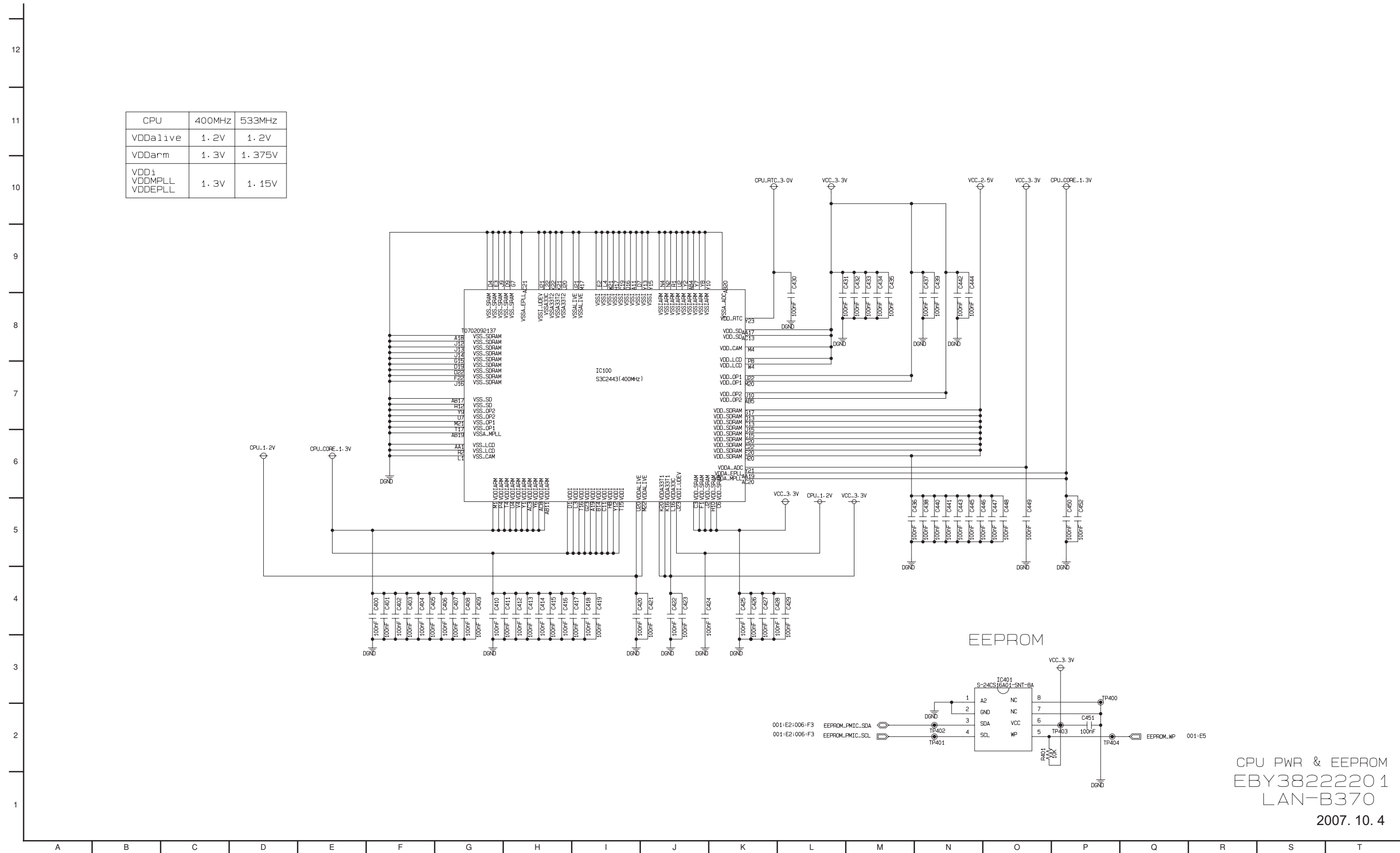
3. CPU I/O SCHEMATIC DIAGRAM



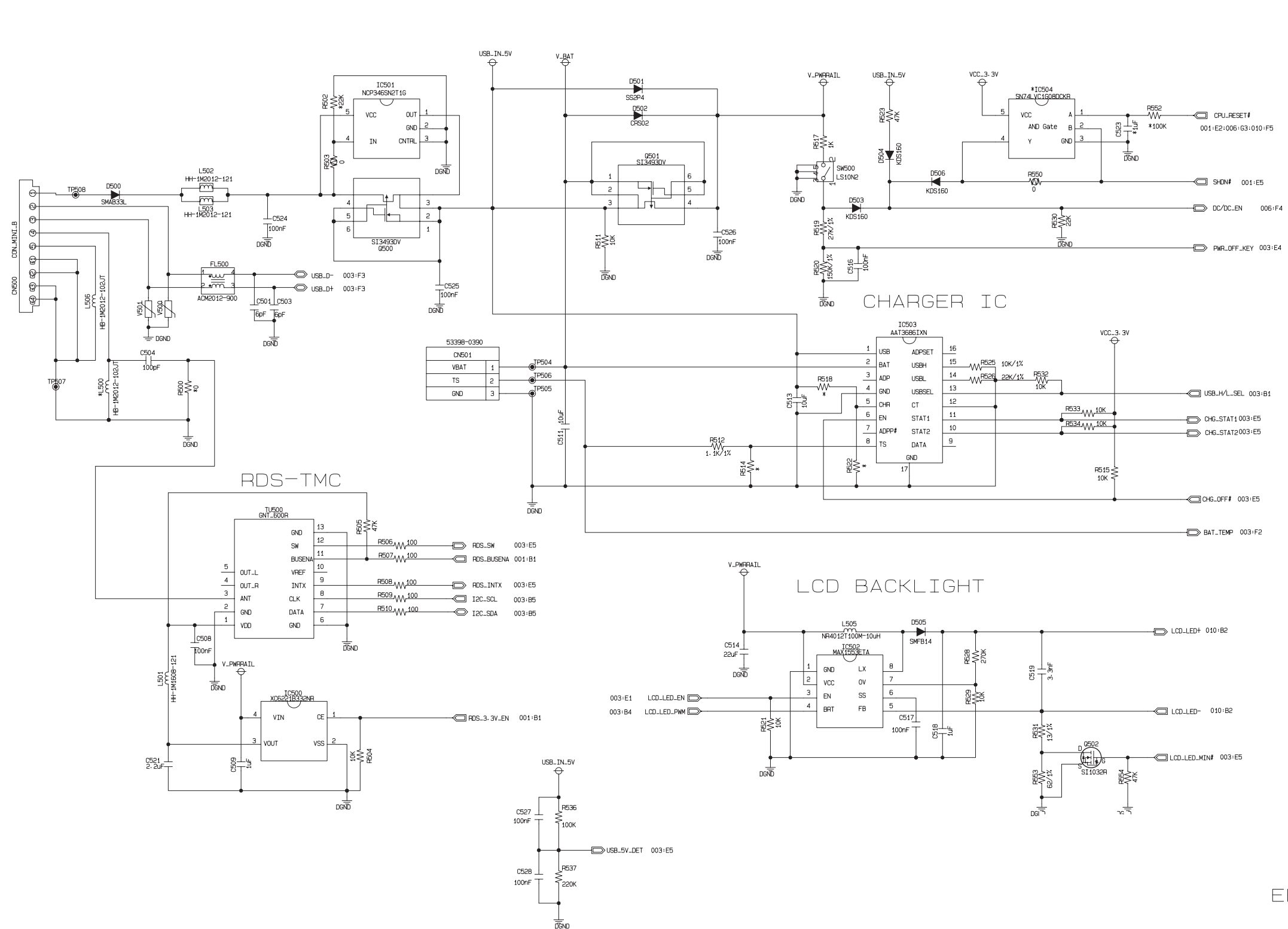
CPU I/O
EB38222201
LAN-B370

2007. 10. 4

4. CPU PWR & EEPROM SCHEMATIC DIAGRAM



5. POWER LOGIC SCHEMATIC DIAGRAM



Power Logic
EBY38222201
LAN-B370

2007. 10. 4

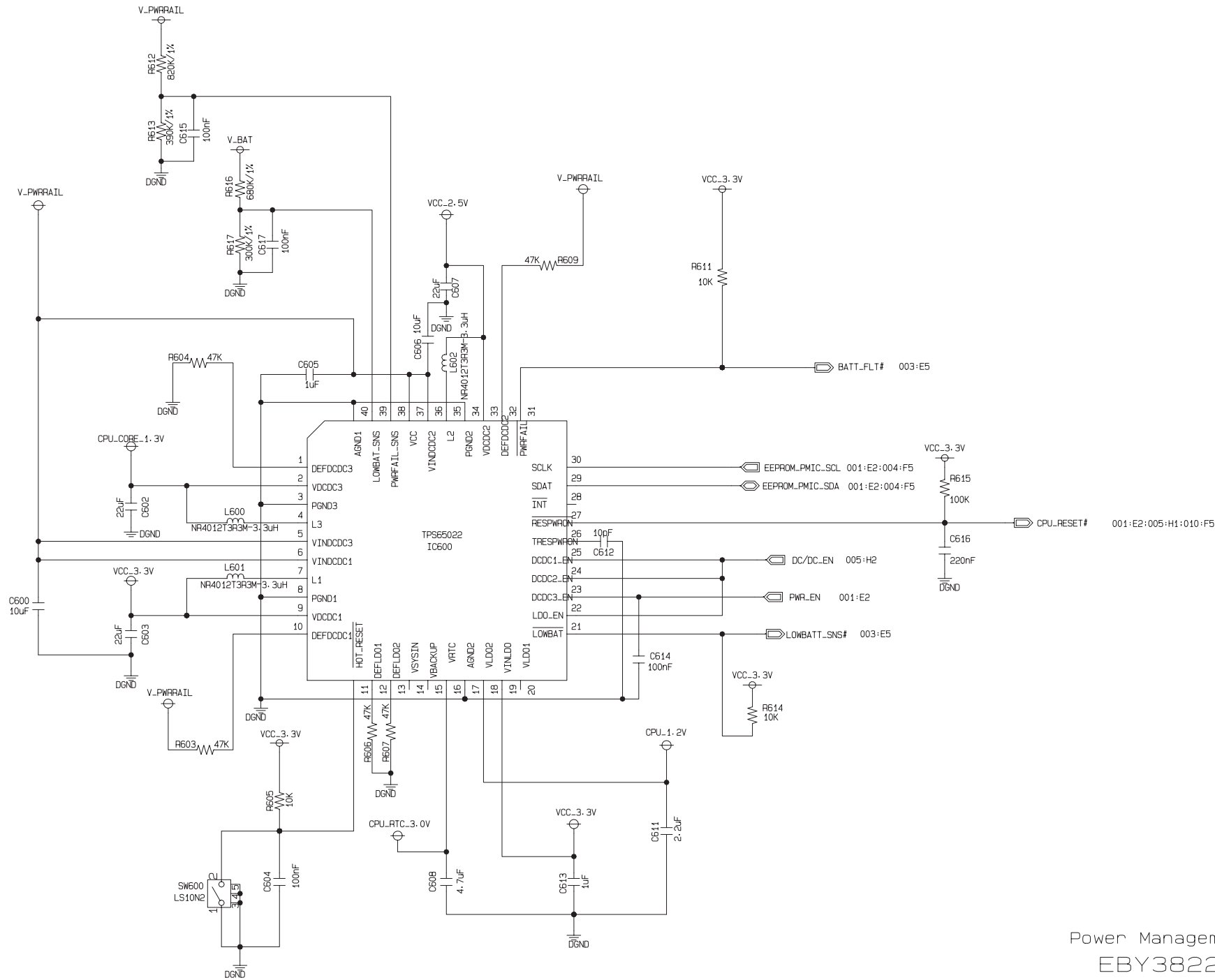
6. POWER MANAGEMENT IC SCHEMATIC DIAGRAM

TPS65022 DCDC OUTPUT VOLTAGE SELECTION

(1) DEFDCDC1 (SW601) 'H' / 'L' ->	3.3V / 3V
(2) DEFDCDC2 (SW605) 'H' / 'L' ->	2.5V / 1.8V
(3) DEFDCDC3 (SW600) 'H' / 'L' ->	1.55V / 1.3V

TPS65022 LDO OUTPUT VOLTAGE SELECTION

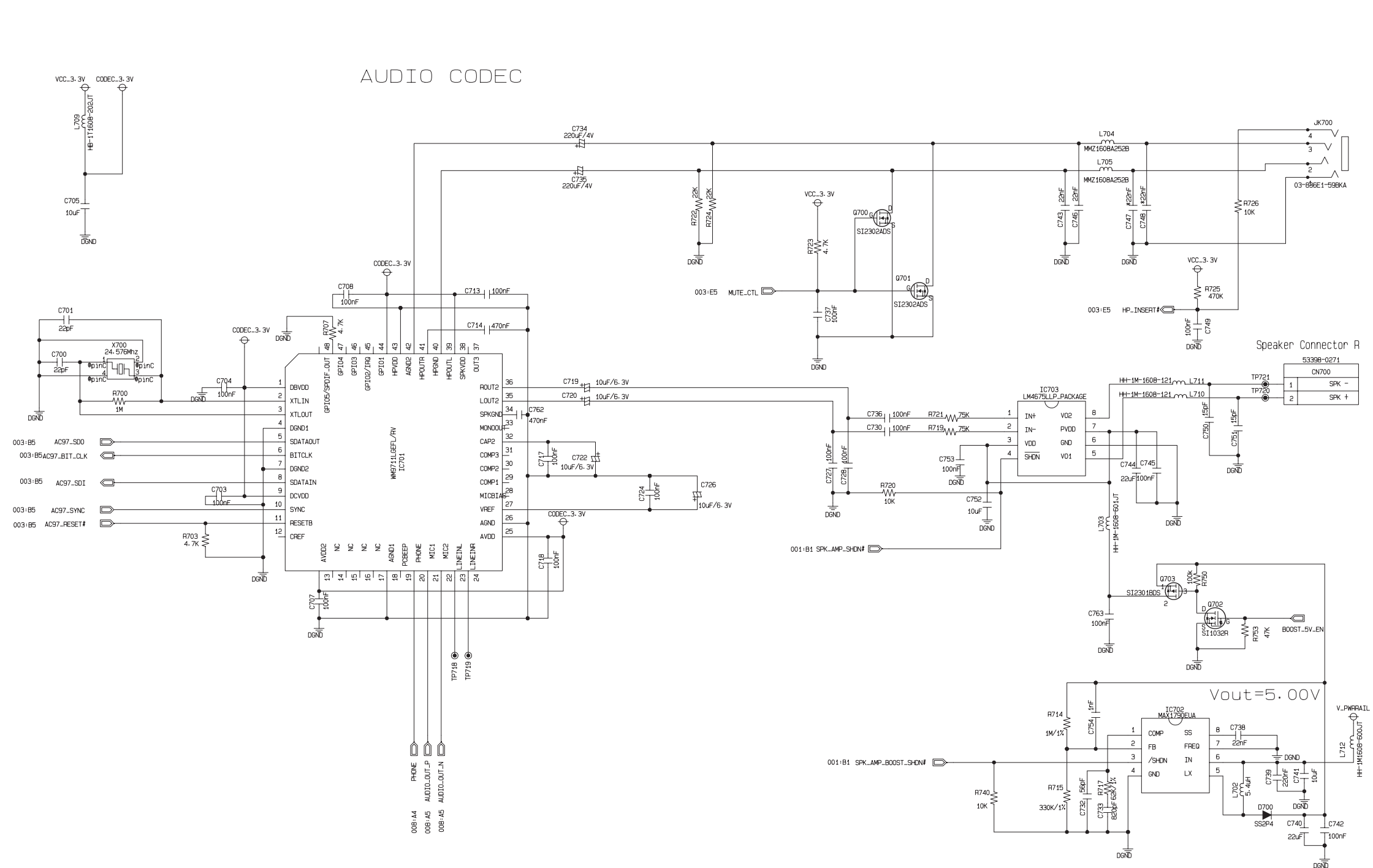
DEFLDO		VOUT	
2	1	LD01	LD02
L	L	1.1V	1.3V
L	H	1.5V	1.3V
H	L	2.6V	2.8V
H	H	3.15V	3.3V



Power Management IC
EBY38222201
LAN-B370

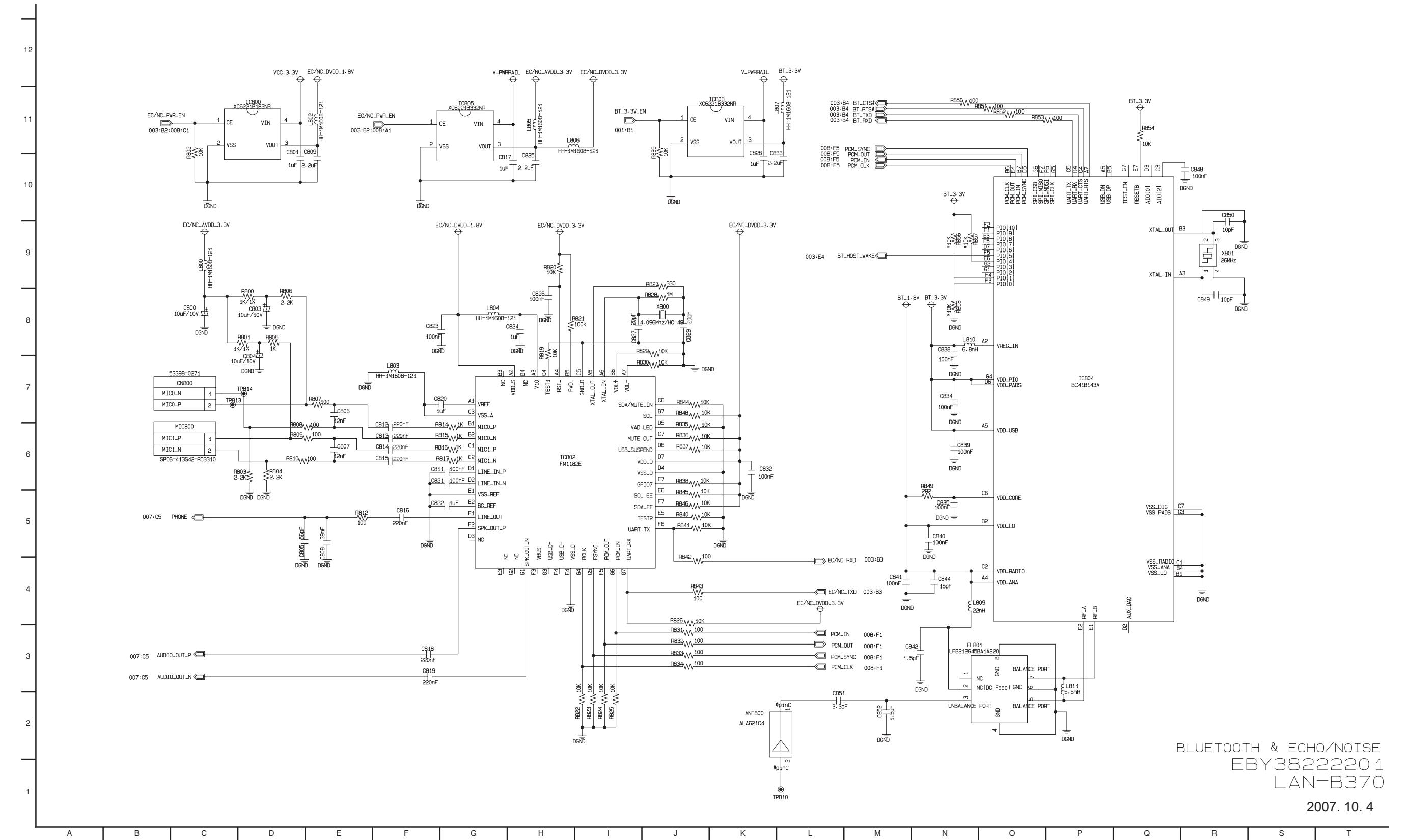
2007. 10. 4

7. AUDIO CODEC & SPEAKER AMP SCHEMATIC DIAGRAM



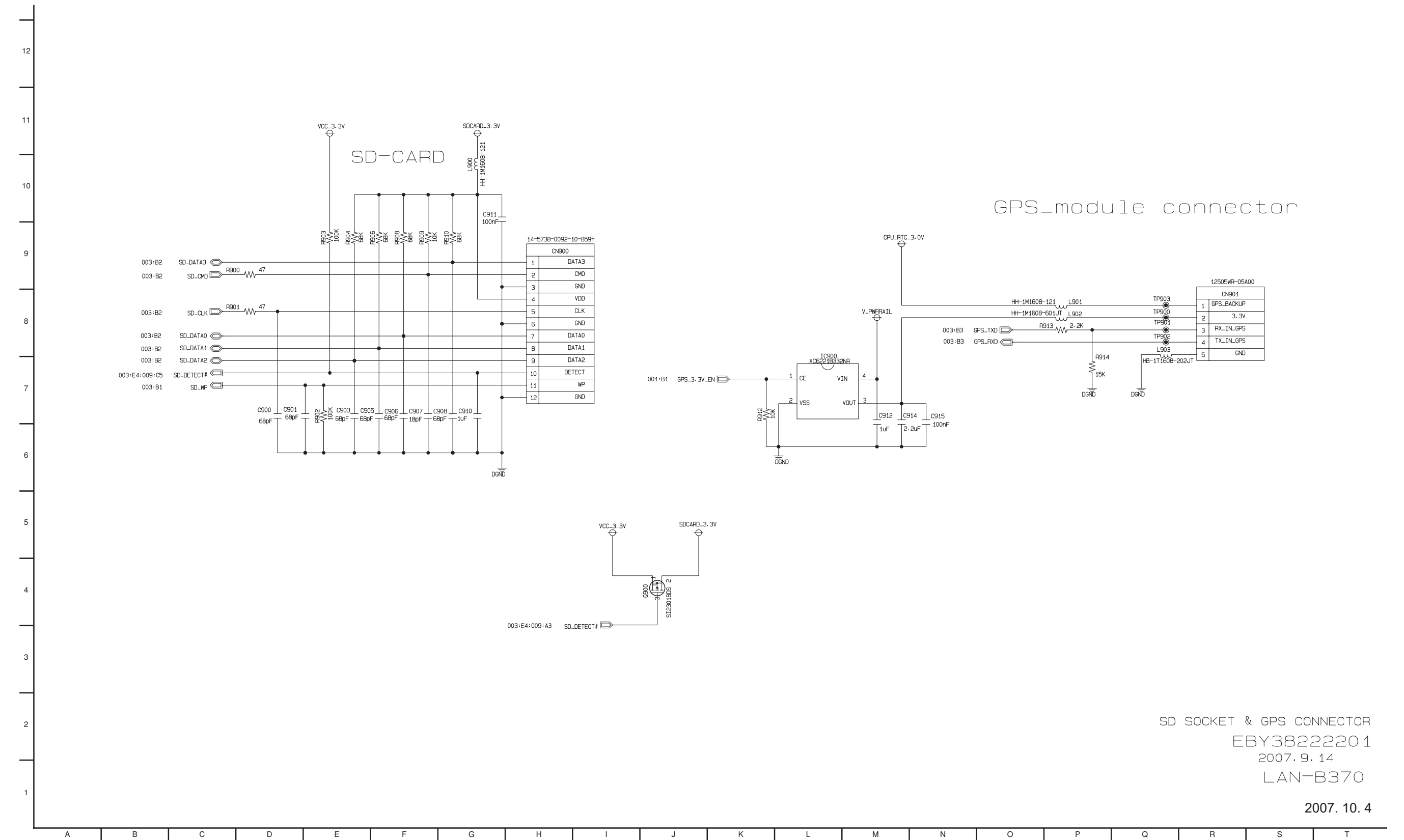
AUDIO CODEC & SPEAKER AMP
EBY38222201
LAN-B370
2007. 10. 4

8. BLUETOOTH & ECHO/NOISE SCHEMATIC DIAGRAM

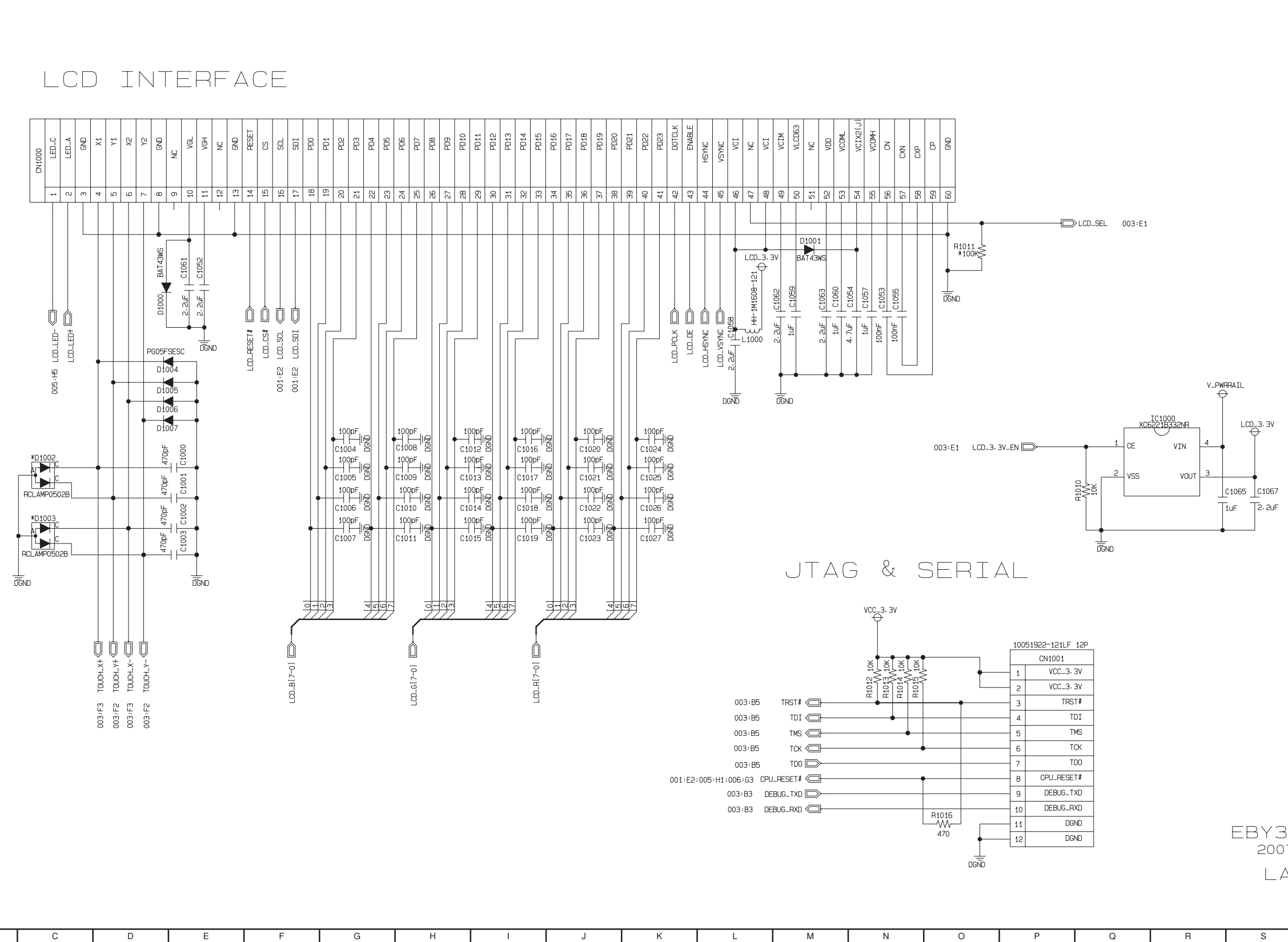


BLUETOOTH & ECHO/NOISE
EBY38222201
LAN-B370
2007. 10. 4

9. SD SOCKET & GPS CONNECTOR SCHEMATIC DIAGRAM



10. LCD & DEBUG CONNECTOR SCHEMATIC DIAGRAM

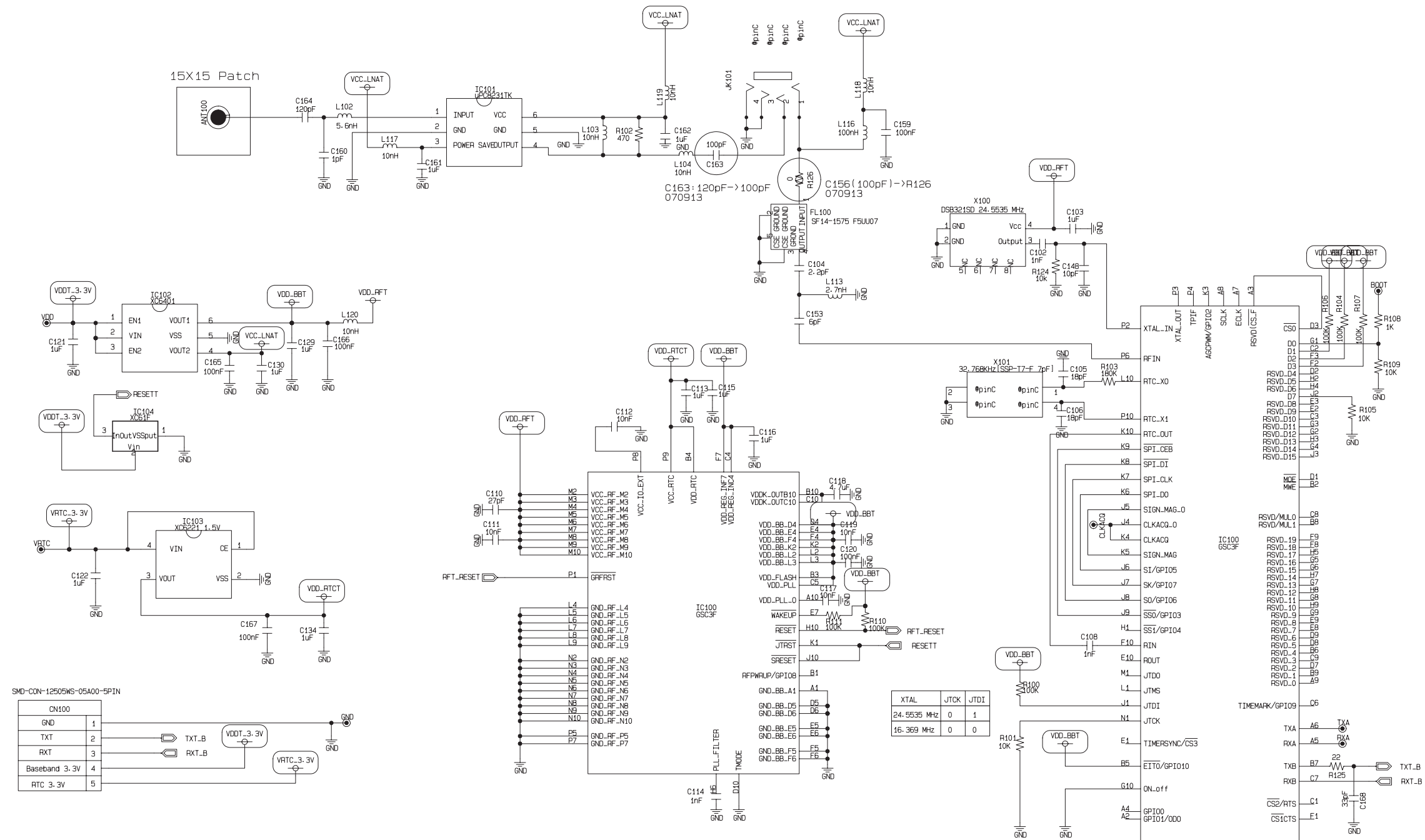


EBY3822220 1
2007. 9. 14

LAN-B370

2007. 10. 4

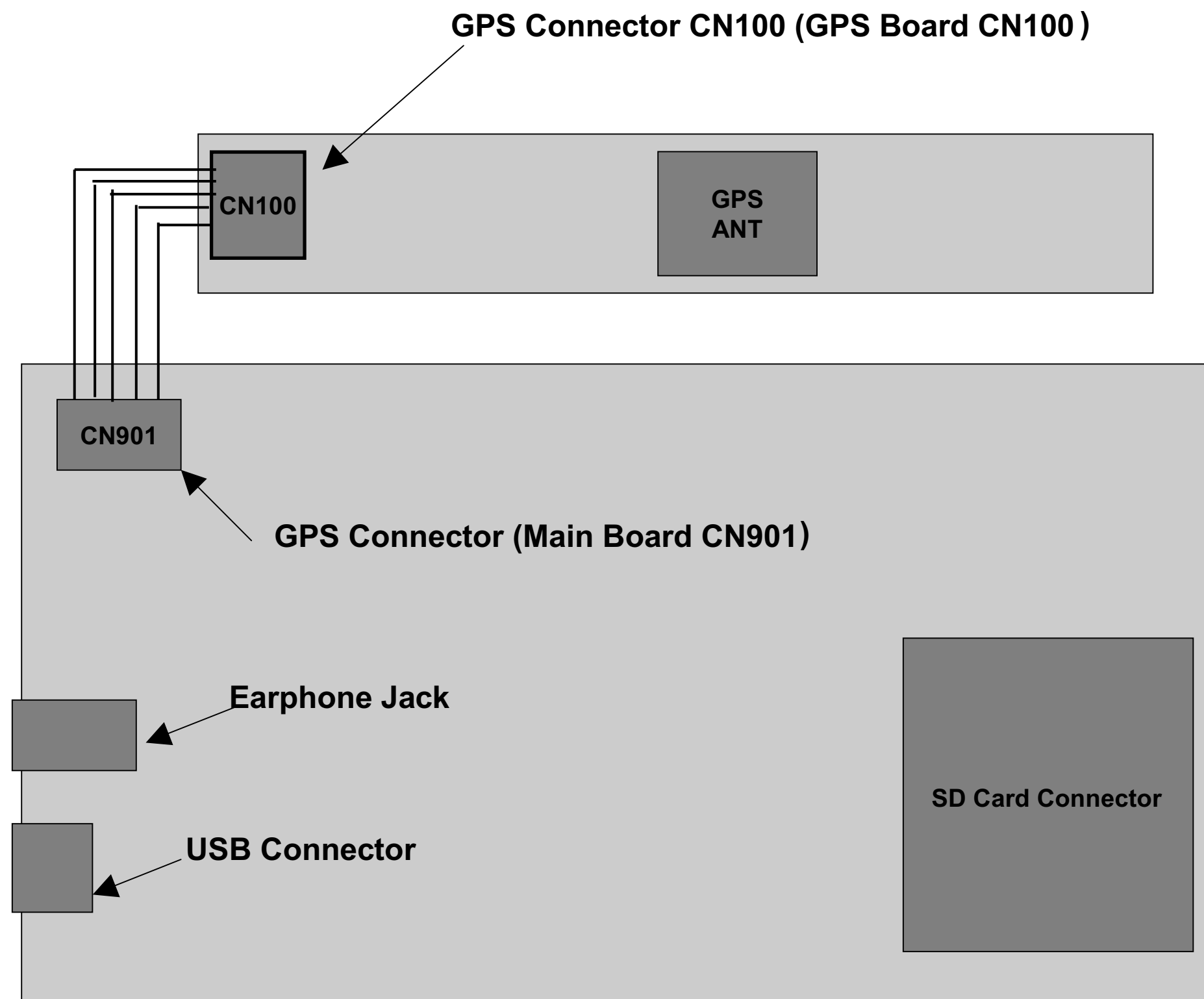
11. GPS SCHEMATIC DIAGRAM



GPS (GSC3F)
EBY37813001
LAN-B370 GPS

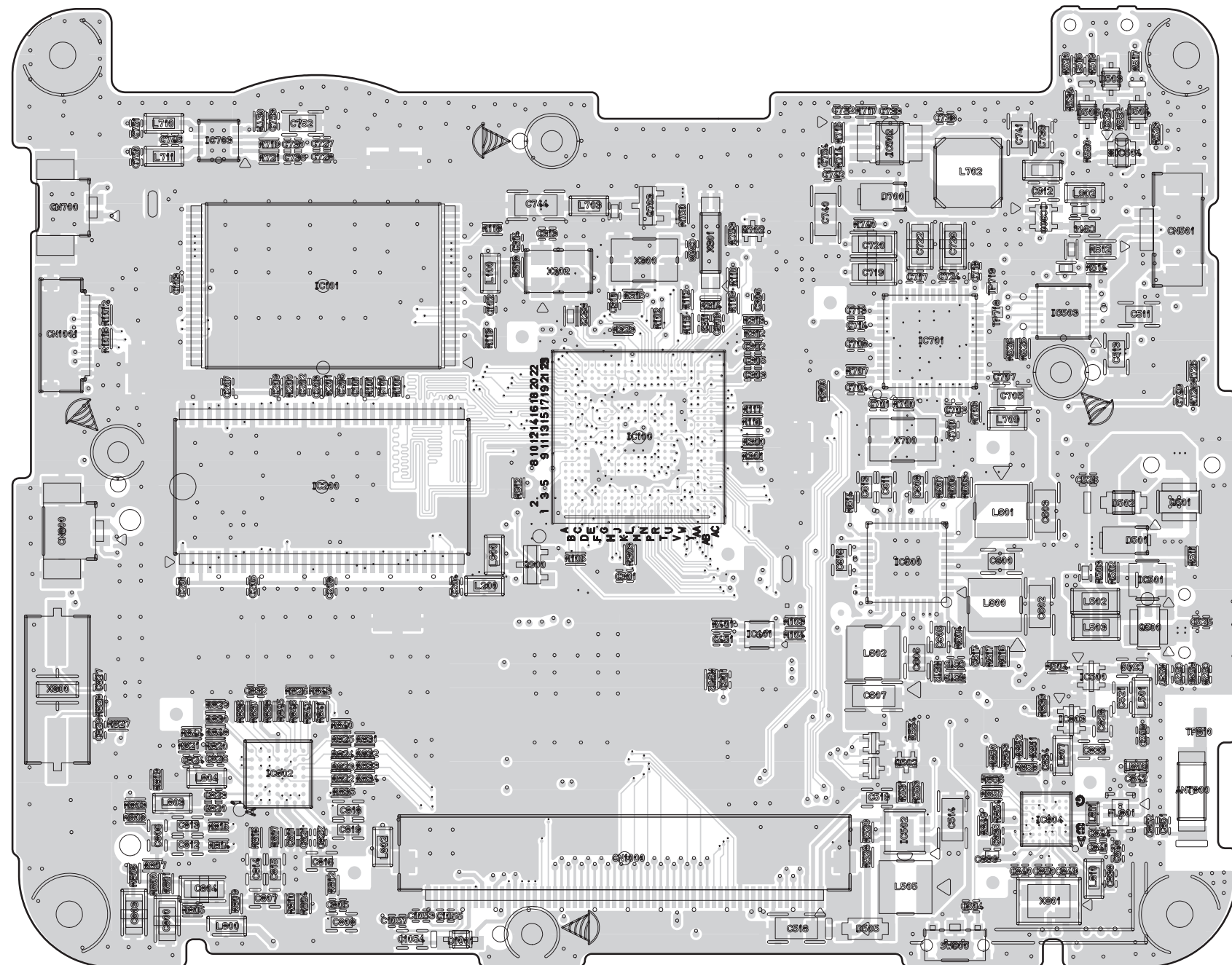
2007. 10. 4

❑ WIRING DIAGRAM

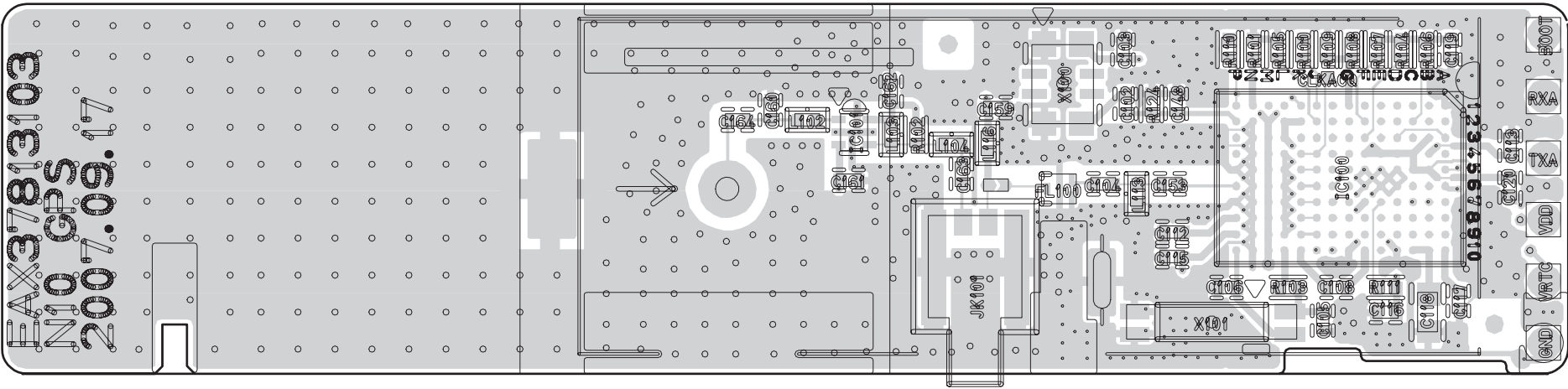


PRINTED CIRCUIT DIAGRAM

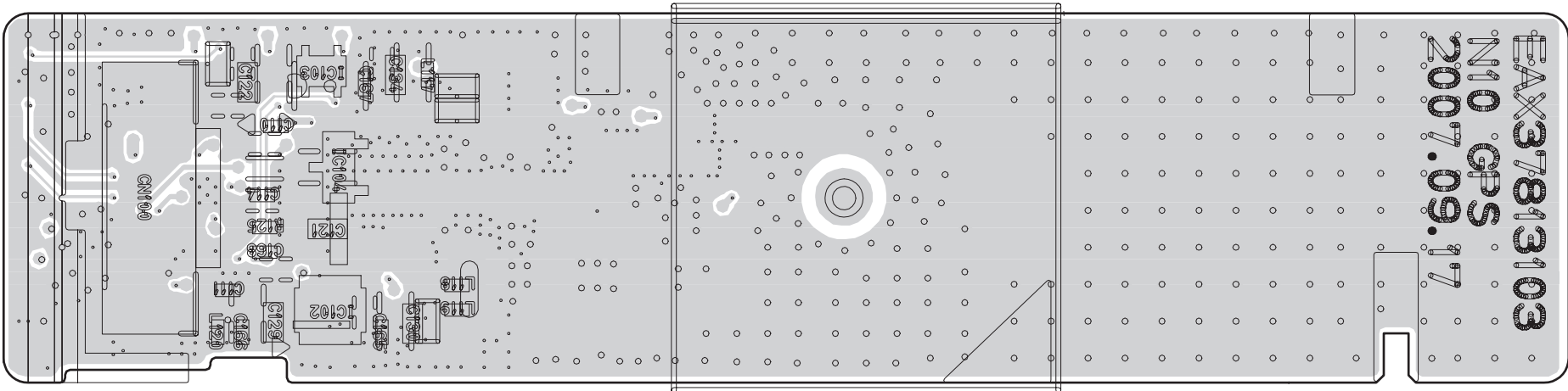
1. MAIN P.C BOARD DIAGRAM (TOP SIDE)



2. GPS P.C BOARD DIAGRAM (TOP SIDE)



GPS P.C BOARD DIAGRAM (BOTTOM SIDE)



MEMO

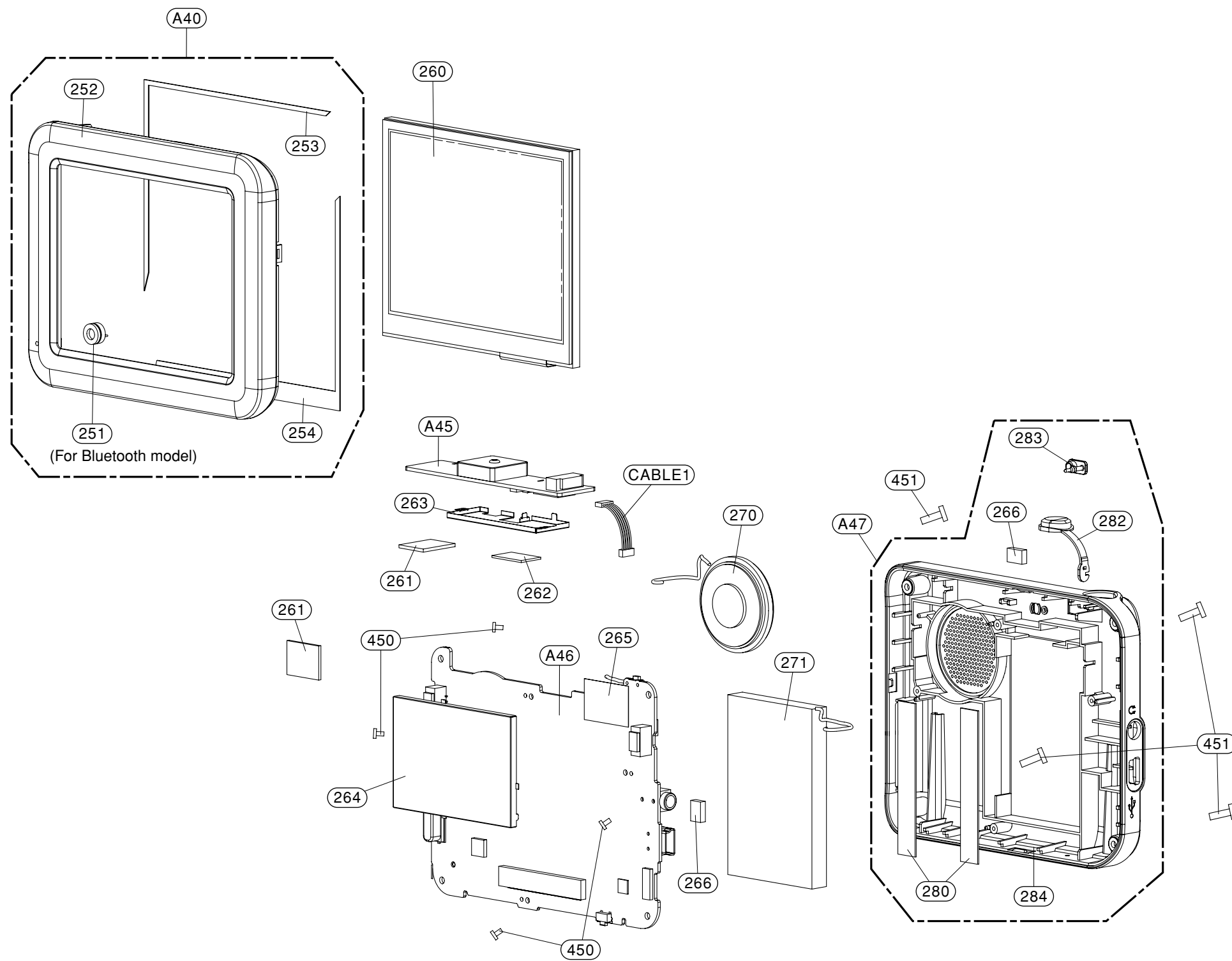
Lined area for writing on page 2-33.

MEMO

Lined area for writing on page 2-34.

SECTION 3. EXPLODED VIEW

CABINET & MAIN FRAME SECTION



MEMO

Handwriting practice lines on page 3-3.

MEMO

Handwriting practice lines on page 3-4.

SECTION 4. REPLACEMENT PARTS LIST

. Cabinet & Main Frame Section

RUN DATE : 17.OCTOBER.2007

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
		A40	ABQ34499902	Case Assembly	N10 FRONT CASE ASSY (MIC HOLE	
		A45	EBR37813205	PCB Assembly	[N10 GPS] [MAIN TOTAL] [PT]	
		A46	EBR38292107	PCB Assembly	[N10ZB01] [.ACHESLK] [Navi 1G	
		A47	ABQ34500701	Case Assembly	B370 REAR CASE ASSY (EARJACK H	
		ANT100	EAA39988001	Antenna,GPS	ANPS1573F4ZDA SINGLE -2.5DB 2	
PARTS SECTION						
		252	MBN39559002	Case	MOLD LUPOY GN-1002FA N10 SERIS	NSP
		253	MCQ39873601	Damper	CUTTING PORON PORTABLE B370 OT	
		254	MCQ39873501	Damper	CUTTING PORON PORTABLE B370 OT	
		260	EAJ39001001	LCD,Module-TFT	LB035Q02-TD01-B51 QVGA 3.5INCH	
		261	MDS40654903	Gasket	CUTTING GOLD CAR N10 OTHER GRO	
		262	MDS40654901	Gasket	CUTTING GOLD CAR N10 OTHER GRO	
		263	MGJ40906001	Plate	PRESS SPTE 0.2 N10 serise PRES	
		264	MGJ35348502	Plate	PRESS SUS 0.2 N10 serise PRESS	
		265	MHK41072401	Sheet	CUTTING PET LDPE 18 12 0.05 N1	
		266	MDS40654902	Gasket	CUTTING GOLD CAR N10 OTHER GRO	
		266	MDS40654902	Gasket	CUTTING GOLD CAR N10 OTHER GRO	
		270	EAB39683801	Speaker,Full Range	T028SX-023K14 ND 1W 8OHM 92DB	
		271	EAC35931001	Battery,Assembly	NXCTBP6 LAN-S360 Battery ICP52	
		280	MHK35989001	Sheet	CUTTING PORON CDT 45 7 0.5 bat	
		282	MEY39559301	Knob	MOLD LUPOY GN-1002FA PORTABLE	
		283	MBL39559401	Cap	MOLD SILICON RUBBER PORTABLE B	
		284	MBN39559101	Case	MOLD LUPOY GN-1002FA B370 UP P	NSP
CABLE						
		CABLE1	EAD35863001	Harness,Single	5P 20MM 12505HS-05P 12505HS-05	
SCREW						
		450	1SZZR-0122A	Screw,Customized	1CA200014004001-3B0 PH + 1.4MM	
		451	353-632E	Screw,Customized	353-632e HEX X 99.999M 99.99M	

. Accessory Section

		801	AFN36113910	Manual Assembly,Owners	CAR N10ZB01.ACHESLK_STUHLINGER	
		825	6851B09288G	Cable,Assembly	KCA-ET-0-0121 USB CONNECTOR MI	
		827	EAY42291501	Adapters	ATPI-68HT0501-NXC2.0 10V to 30	
		830	AAA33311902	Accessory Assembly	CAR NS370 CRADLE ASSY NEW	
		835	SAC30741131	Title	FOR WESTERN EUROPE DT(FREE_TMC	
		836	EAA42837101	Antenna,GPS	02M-05-532-R0(HAG-130-3V) SINGLE 28D	OPTIONAL

Electrical Section

NSP : Non Service Parts

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S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
INDIVIDUAL PART						
		IC401A	SAA30591316	S/W,Firmware	MAP LISENCE KEY 1.0 DACH 367	
PWB ASSEMBLY , MAIN						
		A46	EBR38292107	PCB Assembly	[N10ZB01] [.ACHESLK] [Navi 1G	
		C100	0CC150BK4AA	Capacitor,Ceramic,Chip	C1005C0G1H150JT 15pF 5% 50V C0	NSP
		C1000	0CK471BK56A	Capacitor,Ceramic,Chip	C1005X7R1H471KT 470pF 10% 50V	NSP
		C1001	0CK471BK56A	Capacitor,Ceramic,Chip	C1005X7R1H471KT 470pF 10% 50V	NSP
		C1002	0CK471BK56A	Capacitor,Ceramic,Chip	C1005X7R1H471KT 470pF 10% 50V	NSP
		C1003	0CK471BK56A	Capacitor,Ceramic,Chip	C1005X7R1H471KT 470pF 10% 50V	NSP
		C1004	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1005	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1006	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1007	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1008	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1009	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C101	0CC150BK4AA	Capacitor,Ceramic,Chip	C1005C0G1H150JT 15pF 5% 50V C0	NSP
		C1010	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1011	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1012	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1013	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1014	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1015	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1016	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1017	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1018	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1019	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C102	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C1020	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1021	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1022	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1023	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1024	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1025	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1026	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C1027	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C103	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C1052	0CK225CD94A	Capacitor,Ceramic,Chip	0603F225Z100CT 2.2uF -20TO+80%	NSP
		C1053	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C1054	0CC475CD5DA	Capacitor,Ceramic,Chip	CS1608X5R475K100NRB 4.7uF 10%	NSP
		C1055	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C1057	0CK105BF94A	Capacitor,Ceramic,Chip	C1005Y5V1C105ZT 1uF -20TO+80%	NSP
		C1058	0CK225CD94A	Capacitor,Ceramic,Chip	0603F225Z100CT 2.2uF -20TO+80%	NSP
		C1059	0CK105BF94A	Capacitor,Ceramic,Chip	C1005Y5V1C105ZT 1uF -20TO+80%	NSP
		C1060	0CK105BF94A	Capacitor,Ceramic,Chip	C1005Y5V1C105ZT 1uF -20TO+80%	NSP
		C1061	0CK225CD94A	Capacitor,Ceramic,Chip	0603F225Z100CT 2.2uF -20TO+80%	NSP
		C1062	0CK225CD94A	Capacitor,Ceramic,Chip	0603F225Z100CT 2.2uF -20TO+80%	NSP
		C1063	0CK225CD94A	Capacitor,Ceramic,Chip	0603F225Z100CT 2.2uF -20TO+80%	NSP
		C1065	0CK105CK56A	Capacitor,Ceramic,Chip	C1608X7R1H105KT 1uF 10% 25V X7	NSP
		C1067	0CK225CD94A	Capacitor,Ceramic,Chip	0603F225Z100CT 2.2uF -20TO+80%	NSP
		C201	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C202	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C203	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C204	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C205	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C206	0CK471BK56A	Capacitor,Ceramic,Chip	C1005X7R1H471KT 470pF 10% 50V	NSP
		C207	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C208	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C209	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C300	0CK330BK4DA	Capacitor,Ceramic,Chip	UMK105CG330JV-T 33pF 5% 50V C0	NSP
		C301	EAE30276501	Capacitor,Ceramic,Chip	CS1005COG181J500NR 180pF 5% 50	NSP
		C302	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C303	0CC151BK41A	Capacitor,Ceramic,Chip	C1005C0G1H151JT 150pF 5% 50V C	NSP
		C304	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C305	0CK681BK56A	Capacitor,Ceramic,Chip	C1005X7R1H681KT 680pF 10% 50V	NSP
		C306	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C307	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C308	0CC150BK4AA	Capacitor,Ceramic,Chip	C1005C0G1H150JT 15pF 5% 50V C0	NSP
		C309	0CC150BK4AA	Capacitor,Ceramic,Chip	C1005C0G1H150JT 15pF 5% 50V C0	NSP

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S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C310	0CC150BK4AA	Capacitor,Ceramic,Chip	C1005C0G1H150JT 15pF 5% 50V C0	NSP
		C311	0CC150BK4AA	Capacitor,Ceramic,Chip	C1005C0G1H150JT 15pF 5% 50V C0	NSP
		C313	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C314	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C400	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C401	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C402	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C403	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C404	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C405	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C406	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C407	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C408	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C409	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C410	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C411	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C412	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C413	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C414	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C415	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C416	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C417	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C418	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C419	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C420	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C421	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C422	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C423	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C424	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C425	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C426	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C427	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C428	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C429	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C430	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C431	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C432	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C433	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C434	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C435	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C436	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C437	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C438	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C439	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C440	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C441	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C442	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C443	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C444	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C445	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C446	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C447	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C448	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C449	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C450	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C451	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C452	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C501	0CK060BK5FA	Capacitor,Ceramic,Chip	C1005C0G1H060KT 6pF 0.5PF 50V	NSP
		C503	0CK060BK5FA	Capacitor,Ceramic,Chip	C1005C0G1H060KT 6pF 0.5PF 50V	NSP
		C504	0CK101BK4FA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C508	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C509	0CK105CK56A	Capacitor,Ceramic,Chip	C1608X7R1H105KT 1uF 10% 25V X7	NSP
		C511	EAE32183101	Capacitor,Ceramic,Chip	CS2012X5R106K100NRE 10uF 10% 1	NSP
		C513	EAE32183101	Capacitor,Ceramic,Chip	CS2012X5R106K100NRE 10uF 10% 1	NSP
		C514	0CK226ED94A	Capacitor,Ceramic,Chip	C3216Y5V1A226ZT 22uF -20TO+80%	NSP
		C516	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C517	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C518	EAE36192801	Capacitor,Ceramic,Chip	CS3216X7R105K500NR 1uF 10% 50V	NSP
		C519	EAE32208601	Capacitor,Ceramic,Chip	CS1608X7R332K500NR 3.3nF 10% 5	NSP
		C521	0CK225CD94A	Capacitor,Ceramic,Chip	0603F225Z100CT 2.2uF -20TO+80%	NSP

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S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C524	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C525	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C526	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C527	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C528	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C600	EAE32183101	Capacitor,Ceramic,Chip	CS2012X5R106K100NRE 10uF 10% 1	NSP
		C602	0CK226ED94A	Capacitor,Ceramic,Chip	C3216Y5V1A226ZT 22uF -20TO+80%	NSP
		C603	0CK226ED94A	Capacitor,Ceramic,Chip	C3216Y5V1A226ZT 22uF -20TO+80%	NSP
		C604	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C605	0CK105CK56A	Capacitor,Ceramic,Chip	C1608X7R1H105KT 1uF 10% 25V X7	NSP
		C606	EAE32183101	Capacitor,Ceramic,Chip	CS2012X5R106K100NRE 10uF 10% 1	NSP
		C607	0CK226ED94A	Capacitor,Ceramic,Chip	C3216Y5V1A226ZT 22uF -20TO+80%	NSP
		C608	0CC475CD5DA	Capacitor,Ceramic,Chip	CS1608X5R475K100NRB 4.7uF 10%	NSP
		C611	0CK225CD94A	Capacitor,Ceramic,Chip	0603F225Z100CT 2.2uF -20TO+80%	NSP
		C612	0CC100BK61A	Capacitor,Ceramic,Chip	C1005C0G1H100KT 10pF 10% 50V C	NSP
		C613	0CK105CK56A	Capacitor,Ceramic,Chip	C1608X7R1H105KT 1uF 10% 25V X7	NSP
		C614	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C615	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C616	0CK224CH94A	Capacitor,Ceramic,Chip	0603F224Z250CT 220nF -20TO+80%	NSP
		C617	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C700	0CK220BK5DA	Capacitor,Ceramic,Chip	0402N220K500LT 22pF 10% 50V C0	NSP
		C701	0CK220BK5DA	Capacitor,Ceramic,Chip	0402N220K500LT 22pF 10% 50V C0	NSP
		C703	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C704	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C705	EAE32183101	Capacitor,Ceramic,Chip	CS2012X5R106K100NRE 10uF 10% 1	NSP
		C707	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C708	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C713	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C714	EAE36145701	Capacitor,Ceramic,Chip	C1005Y5V1A474ZT .470nF -20TO+8	NSP
		C717	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C718	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C719	0CZZB00106A	Capacitor,TA,Niobium	TAJR106M006RNJ 10uF 20% 6.3V 6	NSP
		C720	0CZZB00106A	Capacitor,TA,Niobium	TAJR106M006RNJ 10uF 20% 6.3V 6	NSP
		C722	0CZZB00106A	Capacitor,TA,Niobium	TAJR106M006RNJ 10uF 20% 6.3V 6	NSP
		C724	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C726	0CZZB00106A	Capacitor,TA,Niobium	TAJR106M006RNJ 10uF 20% 6.3V 6	NSP
		C727	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C728	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C730	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C732	0CK560BK4EA	Capacitor,Ceramic,Chip	C1005X5R1H560JT 56pF 5% 50V C0	NSP
		C733	0CK821BK6GA	Capacitor,Ceramic,Chip	C1005X7R1H821KT 820pF 10% 50V	NSP
		C734	0CS227HB6DC	Capacitor,TA,Niobium	TSM0G227TSSR 220uF 20% 4V 8.8U	NSP
		C735	0CS227HB6DC	Capacitor,TA,Niobium	TSM0G227TSSR 220uF 20% 4V 8.8U	NSP
		C736	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C737	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C738	0CK223BF94A	Capacitor,Ceramic,Chip	EMK105 F223ZV-T 22nF -20TO+80%	NSP
		C739	0CK224CH94A	Capacitor,Ceramic,Chip	0603F224Z250CT 220nF -20TO+80%	NSP
		C740	0CK226ED94A	Capacitor,Ceramic,Chip	C3216Y5V1A226ZT 22uF -20TO+80%	NSP
		C741	EAE32183101	Capacitor,Ceramic,Chip	CS2012X5R106K100NRE 10uF 10% 1	NSP
		C742	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C743	0CK223BF94A	Capacitor,Ceramic,Chip	EMK105 F223ZV-T 22nF -20TO+80%	NSP
		C744	0CK226ED94A	Capacitor,Ceramic,Chip	C3216Y5V1A226ZT 22uF -20TO+80%	NSP
		C745	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C746	0CK223BF94A	Capacitor,Ceramic,Chip	EMK105 F223ZV-T 22nF -20TO+80%	NSP
		C749	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C750	0CC150BK4AA	Capacitor,Ceramic,Chip	C1005C0G1H150JT 15pF 5% 50V C0	NSP
		C751	0CC150BK4AA	Capacitor,Ceramic,Chip	C1005C0G1H150JT 15pF 5% 50V C0	NSP
		C752	EAE32183101	Capacitor,Ceramic,Chip	CS2012X5R106K100NRE 10uF 10% 1	NSP
		C753	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C754	0CK102BK56A	Capacitor,Ceramic,Chip	0402B102K500CT 1nF 10% 50V X7R	NSP
		C762	EAE36145701	Capacitor,Ceramic,Chip	C1005Y5V1A474ZT .470nF -20TO+8	NSP
		C763	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C900	0CK680BK4DA	Capacitor,Ceramic,Chip	C1005C0G1H680JT 68pF 5% 50V C0	NSP
		C901	0CK680BK4DA	Capacitor,Ceramic,Chip	C1005C0G1H680JT 68pF 5% 50V C0	NSP
		C903	0CK680BK4DA	Capacitor,Ceramic,Chip	C1005C0G1H680JT 68pF 5% 50V C0	NSP
		C905	0CK680BK4DA	Capacitor,Ceramic,Chip	C1005C0G1H680JT 68pF 5% 50V C0	NSP
		C906	0CK680BK4DA	Capacitor,Ceramic,Chip	C1005C0G1H680JT 68pF 5% 50V C0	NSP
		C907	0CC180BKFAA	Capacitor,Ceramic,Chip	C1005C0G1H180JT 18pF 5% 50V C0	NSP
		C908	0CK680BK4DA	Capacitor,Ceramic,Chip	C1005C0G1H680JT 68pF 5% 50V C0	NSP
		C910	0CK105BF94A	Capacitor,Ceramic,Chip	C1005Y5V1C105ZT 1uF -20TO+80%	NSP

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S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C911	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		C912	0CK105CK56A	Capacitor,Ceramic,Chip	C1608X7R1H105KT 1uF 10% 25V X7	NSP
		C914	0CK225CD94A	Capacitor,Ceramic,Chip	0603F225Z100CT 2.2uF -20TO+80%	NSP
		C915	ECZH0003104	Capacitor,Ceramic,Chip	GRM36X7R104K16PT 100nF 10% 16V	NSP
		CN1000	EAG30179801	Connector,FFC/FPC/PIC	05002HR-60J02 60P 0.5MM FFC AN	LCD CONNECTOR
		CN1001	EAG33887101	Connector,FFC/FPC/PIC	10051922-121LF 12P 0.5MM FFC/F	
		CN500	6630S70049A	Connector,USB	683-221-501-021 MINI B 5P 0.80	USB JACK
		CN501	561-241A	Connector,Wafer	533980371 3P 1.25MM 1R STRAIGH	BATTERY JACK
		CN700	561-241B	Connector,Wafer	53398-0271 2P 1.25MM 1R STRAIG	SPK JACK
		CN900	EAG32583901	Socket,Card	14-5738-0092-10-859+ SD 9P ANG	SD CARD SLOT
		CN901	6630V90135C	Connector,Wafer	12505WR-05A00 5P 1.25MM 1R ANG	GPS JACK
		D1000	EAH39765801	Diode,Schottky	BAT43WS 450MV 30V 100MA 1NSEC	
		D1001	EAH39765801	Diode,Schottky	BAT43WS 450MV 30V 100MA 1NSEC	
		D1004	0DTKE00068A	Diode,TVS	PG05FSESC - 6V 14.5V 5A 50W ES	
		D1005	0DTKE00068A	Diode,TVS	PG05FSESC - 6V 14.5V 5A 50W ES	
		D1006	0DTKE00068A	Diode,TVS	PG05FSESC - 6V 14.5V 5A 50W ES	
		D1007	0DTKE00068A	Diode,TVS	PG05FSESC - 6V 14.5V 5A 50W ES	
		D500	0DSKE00298B	Diode,Switching	SMAB33L 360MV 30V 3A 70A 10NSE	
		D501	EAH30471001	Diode,Schottky	SS2P4 500MV 40V 2A 1NSEC 110pF	
		D502	0DRTB00028A	Diode,Schottky	CRS02 400MV 30V 1A 4NSEC 40pF	
		D503	0DD160009AB	Diode,Switching	KDS160 1.2V 85V 300MA 2A 4NSEC	
		D504	0DD160009AB	Diode,Switching	KDS160 1.2V 85V 300MA 2A 4NSEC	
		D505	0DRKE00048A	Diode,Schottky	SMFB14 500MV 40V 1A 0SEC 0F 45	
		D506	0DD160009AB	Diode,Switching	KDS160 1.2V 85V 300MA 2A 4NSEC	
		D700	EAH30471001	Diode,Schottky	SS2P4 500MV 40V 2A 1NSEC 110pF	
		FL500	6200J000058	Filter,Line Noise	ACM2012-900-2P-T 90H 2X1.2X1.3	NSP
		IC100	EAN37926502	IC,Microprocessors	S3C2443XL-40 0.5V TO 4.8V 200M	
		IC1000	EAN38671001	IC,LDO Voltage Regulator	XC6221B332NR 0V TO 6.5V 3.3V 1	
		IC101	EAN00951304	IC,NAND Flash Memory	K9G4G08U0A-PCB0000 4GBIT 512MX	
		IC101A	SAA30874501	S/W,System Program	[-] [-] EUROPE [512MB NAND fla	FOR IC101
		IC101A	SAA30873806	S/W,System Program	[-] [-] EUROPE [TSOP1] [Model:	FOR IC101
		IC200	0IMMR00045B	IC,DDR SDRAM	HYB25D(C)512160CE-5 512MBIT 8M	
		IC401	EAN35369602	IC,EEPROM	S-24CS16A01-I8T1GE 16KBIT SERI	
		IC500	EAN38671001	IC,LDO Voltage Regulator	XC6221B332NR 0V TO 6.5V 3.3V 1	
		IC501	0IPMGON022A	IC,Voltage Detector	NCP346SN2T1G 2.5TO25V 5.5V 216	
		IC502	0IPMGMX032A	IC,DC,DC Converter	MAX1553ETA 2.7TO5.5V 2.5V 300M	
		IC503	EAN32218301	IC,Charge Pump	AAT3686IXN 4.0V TO 6V 4.5V 500	
		IC600	0IPMG78476B	IC,PMIC	TPS65022RHA 2.5VTO6V ADJ 1W QF	
		IC701	0ILNRWM003A	IC,Audio Codec	WM9711LGEFL/RV 1.8TO3.6V 80MW	
		IC702	0IPMG78479A	IC,DC,DC Converter	MAX1790EUA 2.6TO5.5V - 330MW U	
		IC703	EAN36286101	IC,Audio Amplifier	LM4673SD 6V 0.4mV 0.02% 2.65W	
		IC900	EAN38671001	IC,LDO Voltage Regulator	XC6221B332NR 0V TO 6.5V 3.3V 1	
		JK700	6612F00104A	Jack,Phone	03-836E1-59BKA 1P 3P ANGLE T/R	PHONE JACK
		L100	0LC02491A2A	Filter,Bead	HH-1M1608-121 120OHM 1.6X0.8X0	NSP
		L1000	0LC02491A2A	Filter,Bead	HH-1M1608-121 120OHM 1.6X0.8X0	NSP
		L200	0LC02491A2A	Filter,Bead	HH-1M1608-121 120OHM 1.6X0.8X0	NSP
		L501	0LC02491A2A	Filter,Bead	HH-1M1608-121 120OHM 1.6X0.8X0	NSP
		L502	6200HJC106A	Filter,Bead	HH-1M2012-121JT 120OHM 2X1.25X	NSP
		L503	6200HJC106A	Filter,Bead	HH-1M2012-121JT 120OHM 2X1.25X	NSP
		L505	0LCTA00008A	Inductor,Wire Wound,Chip	NR4012T100M 10UH 20% 0V 740MA	NSP
		L506	6200HJC102A	Filter,Bead	HB-1M2012-102JT 1000OHM 2X1.25	NSP
		L600	EAP39645901	Inductor,Wire Wound,Chip	NR4012T3R3M 3.3UH 20% 0V 1.2A	NSP
		L601	EAP39645901	Inductor,Wire Wound,Chip	NR4012T3R3M 3.3UH 20% 0V 1.2A	NSP
		L602	EAP39645901	Inductor,Wire Wound,Chip	NR4012T3R3M 3.3UH 20% 0V 1.2A	NSP
		L702	EAP39645801	Inductor,Wire Wound,Chip	LPF5017T-5R4M 5.4UH 20% 0V 1.5	NSP
		L703	EAM33531101	Filter,Bead	HH-1M1608-601JT 600OHM 1.6X0.8	NSP
		L704	0LCTD00034A	Filter,Bead	MMZ1608A252B 2500OHM 1.6X0.8X0	NSP
		L705	0LCTD00034A	Filter,Bead	MMZ1608A252B 2500OHM 1.6X0.8X0	NSP
		L709	0LCCE00031B	Filter,Bead	HB-1T1608-202JT 2000OHM 1.6X0.	NSP
		L710	0LC02491A2A	Filter,Bead	HH-1M1608-121 120OHM 1.6X0.8X0	NSP
		L711	0LC02491A2A	Filter,Bead	HH-1M1608-121 120OHM 1.6X0.8X0	NSP
		L712	0LCCE00049A	Filter,Bead	HB-1M1608-600JT 60OHM 1.6X0.8X	NSP
		L900	0LC02491A2A	Filter,Bead	HH-1M1608-121 120OHM 1.6X0.8X0	NSP
		L901	0LC02491A2A	Filter,Bead	HH-1M1608-121 120OHM 1.6X0.8X0	NSP
		L902	EAM33531101	Filter,Bead	HH-1M1608-601JT 600OHM 1.6X0.8	NSP
		L903	0LCCE00031B	Filter,Bead	HB-1T1608-202JT 2000OHM 1.6X0.	NSP
		Q500	0TFV180042A	FET	SI3493DV P-CHANNEL MOSFET -20V	
		Q501	0TFV180042A	FET	SI3493DV P-CHANNEL MOSFET -20V	
		Q502	0TFV180043A	FET	SI1032R N-CHANNEL MOSFET 20V +	
		Q700	0TFV180065A	FET	SI2302ADS-T1-E3 N-CHANNEL MOSF	

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S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		Q701	0TFVI80065A	FET	SI2302ADS-T1-E3 N-CHANNEL MOSF	
		Q702	0TFVI80043A	FET	SI1032R N-CHANNEL MOSFET 20V +	
		Q703	0TFVI80061A	FET	SI2301BDS-T1-E3 P-CHANNEL MOSF	
		Q900	0TFVI80061A	FET	SI2301BDS-T1-E3 P-CHANNEL MOSF	
		R100	0RJ0222C678	Resistor,Chip	MCR01MZPJ220 22OHM 5% 1/16W 10	NSP
		R101	0RJ0222C678	Resistor,Chip	MCR01MZPJ220 22OHM 5% 1/16W 10	NSP
		R1010	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R1012	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R1013	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R1014	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R1015	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R1016	0RJ4700C678	Resistor,Chip	MCR01MZPJ471 470OHM 5% 1/16W 1	NSP
		R102	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	NSP
		R103	0RJ4701C678	Resistor,Chip	MCR01MZPJ472 4.7KOHM 5% 1/16W	NSP
		R104	0RJ4701C678	Resistor,Chip	MCR01MZPJ472 4.7KOHM 5% 1/16W	NSP
		R105	0RJ4701C678	Resistor,Chip	MCR01MZPJ472 4.7KOHM 5% 1/16W	NSP
		R109	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	NSP
		R110	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R112	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R115	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	NSP
		R117	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	NSP
		R118	0RJ4702C678	Resistor,Chip	MCR01MZPJ473 47KOHM 5% 1/16W 1	NSP
		R119	0RJ4701C678	Resistor,Chip	MCR01MZPJ472 4.7KOHM 5% 1/16W	NSP
		R200	EBC37969401	Resistor,Chip	MCR01MZPF2611 2.61KOHM 1% 1/16	NSP
		R201	EBC37969401	Resistor,Chip	MCR01MZPF2611 2.61KOHM 1% 1/16	NSP
		R300	0RJ1001C678	Resistor,Chip	MCR01MZPJ102 1KOHM 5% 1/16W 10	NSP
		R301	0RJ1001C678	Resistor,Chip	MCR01MZPJ102 1KOHM 5% 1/16W 10	NSP
		R302	0RH0332B622	Resistor,Chip	MCR01MZPJ330 33OHM 5% 1/16W 10	NSP
		R303	0RJ0562C678	Resistor,Chip	MCR01MZPJ560 56OHM 5% 1/16W 10	NSP
		R312	0RJ1004C678	Resistor,Chip	MCR01MZPJ105 1MOHM 5% 1/16W 10	NSP
		R313	0RJ4703C678	Resistor,Chip	MCR01MZPJ474 470KOHM 5% 1/16W	NSP
		R318	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R322	0RJ3401C478	Resistor,Chip	MCR01MZPF3401 3.4KOHM 1% 1/16W	NSP
		R323	0RJ1502C678	Resistor,Chip	MCR01MZPJ153 15KOHM 5% 1/16W 1	NSP
		R324	0RJ1502C678	Resistor,Chip	MCR01MZPJ153 15KOHM 5% 1/16W 1	NSP
		R325	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R401	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R504	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R505	0RJ4702C678	Resistor,Chip	MCR01MZPJ473 47KOHM 5% 1/16W 1	NSP
		R506	0RJ1000C678	Resistor,Chip	MCR01MZPJ101 100OHM 5% 1/16W 1	NSP
		R507	0RJ1000C678	Resistor,Chip	MCR01MZPJ101 100OHM 5% 1/16W 1	NSP
		R508	0RJ1000C678	Resistor,Chip	MCR01MZPJ101 100OHM 5% 1/16W 1	NSP
		R509	0RJ1000C678	Resistor,Chip	MCR01MZPJ101 100OHM 5% 1/16W 1	NSP
		R510	0RJ1000C678	Resistor,Chip	MCR01MZPJ101 100OHM 5% 1/16W 1	NSP
		R511	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R512	0RJ1101D477	Resistor,Chip	MCR03EZPF1101 1.1KOHM 1% 1/10W	NSP
		R515	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R517	0RJ1001C678	Resistor,Chip	MCR01MZPJ102 1KOHM 5% 1/16W 10	NSP
		R519	0RJ2702C478	Resistor,Chip	MCR01MZPF273 27KOHM 1% 1/16W 1	NSP
		R520	0RJ1503C478	Resistor,Chip	MCR01MZPF154 150KOHM 1% 1/16W	NSP
		R521	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R523	0RJ4702C678	Resistor,Chip	MCR01MZPJ473 47KOHM 5% 1/16W 1	NSP
		R525	0RJ1002C478	Resistor,Chip	MCR01MZPF103 10KOHM 1% 1/16W 1	NSP
		R526	0RJ2202C478	Resistor,Chip	MCR01MZPF223 22KOHM 1% 1/16W 1	NSP
		R528	0RJ2703C678	Resistor,Chip	MCR01MZPJ274 270KOHM 5% 1/16W	NSP
		R529	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R530	0RJ2202C678	Resistor,Chip	MCR01MZPJ223 22KOHM 5% 1/16W 1	NSP
		R531	0RJ0132C478	Resistor,Chip	MCR01MZPF130 13OHM 1% 1/16W 10	NSP
		R532	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R533	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R534	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R536	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	NSP
		R537	0RJ2203C678	Resistor,Chip	MCR01MZPJ224 220KOHM 5% 1/16W	NSP
		R553	EBC40336401	Resistor,Chip	MCR01MZPF620 62OHM 1% 1/16W 10	NSP
		R554	0RJ4702C678	Resistor,Chip	MCR01MZPJ473 47KOHM 5% 1/16W 1	NSP
		R603	0RJ4702C678	Resistor,Chip	MCR01MZPJ473 47KOHM 5% 1/16W 1	NSP
		R604	0RJ4702C678	Resistor,Chip	MCR01MZPJ473 47KOHM 5% 1/16W 1	NSP
		R605	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R606	0RJ4702C678	Resistor,Chip	MCR01MZPJ473 47KOHM 5% 1/16W 1	NSP
		R607	0RJ4702C678	Resistor,Chip	MCR01MZPJ473 47KOHM 5% 1/16W 1	NSP

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S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R609	0RJ4702C678	Resistor,Chip	MCR01MZPJ473 47KOHM 5% 1/16W 1	NSP
		R611	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R612	0RJ8203C478	Resistor,Chip	MCR01MZPF824 820KOHM 1% 1/16W	NSP
		R613	EBC40092901	Resistor,Chip	WR04X3903FTL 390KOHM 1% 1/16W	NSP
		R614	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R615	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	NSP
		R616	EBC39880401	Resistor,Chip	WX04X684FTL 680KOHM 1% 1/16W 1	NSP
		R617	0RJ3003C478	Resistor,Chip	MCR01MZPF304 300KOHM 1% 1/16W	NSP
		R700	0RJ1004C678	Resistor,Chip	MCR01MZPJ105 1MOHM 5% 1/16W 10	NSP
		R703	0RJ4701C678	Resistor,Chip	MCR01MZPJ472 4.7KOHM 5% 1/16W	NSP
		R707	0RJ4701C678	Resistor,Chip	MCR01MZPJ472 4.7KOHM 5% 1/16W	NSP
		R714	0RJ1004C478	Resistor,Chip	MCR01MZPF105 1MOHM 1% 1/16W 10	NSP
		R715	0RJ3303C478	Resistor,Chip	MCR01MZPF334 330KOHM 1% 1/16W	NSP
		R717	0RJ6202C478	Resistor,Chip	RC 62KOHM 1% 1/16W 1005 R/TP -	NSP
		R719	0RJ7502C478	Resistor,Chip	MCR01MZPF753 75KOHM 1% 1/16W 1	NSP
		R720	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R721	0RJ7502C478	Resistor,Chip	MCR01MZPF753 75KOHM 1% 1/16W 1	NSP
		R722	0RJ2202C678	Resistor,Chip	MCR01MZPJ223 22KOHM 5% 1/16W 1	NSP
		R723	0RJ4701C678	Resistor,Chip	MCR01MZPJ472 4.7KOHM 5% 1/16W	NSP
		R724	0RJ2202C678	Resistor,Chip	MCR01MZPJ223 22KOHM 5% 1/16W 1	NSP
		R725	0RJ4703C678	Resistor,Chip	MCR01MZPJ474 470KOHM 5% 1/16W	NSP
		R726	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R740	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R750	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	NSP
		R753	0RJ4702C678	Resistor,Chip	MCR01MZPJ473 47KOHM 5% 1/16W 1	NSP
		R900	0RJ0472C678	Resistor,Chip	MCR01MZPJ470 47OHM 5% 1/16W 10	NSP
		R901	0RJ0472C678	Resistor,Chip	MCR01MZPJ470 47OHM 5% 1/16W 10	NSP
		R902	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	NSP
		R903	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	NSP
		R904	0RJ6802C678	Resistor,Chip	MCR01MZPJ683 68KOHM 5% 1/16W 1	NSP
		R906	0RJ6802C678	Resistor,Chip	MCR01MZPJ683 68KOHM 5% 1/16W 1	NSP
		R908	0RJ6802C678	Resistor,Chip	MCR01MZPJ683 68KOHM 5% 1/16W 1	NSP
		R909	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R910	0RJ6802C678	Resistor,Chip	MCR01MZPJ683 68KOHM 5% 1/16W 1	NSP
		R912	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	NSP
		R913	0RJ2201C678	Resistor,Chip	MCR01MZPJ222 2.2KOHM 5% 1/16W	NSP
		R914	0RJ1502C678	Resistor,Chip	MCR01MZPJ153 15KOHM 5% 1/16W 1	NSP
		SW500	6600R000030	Tact Switch	LS10N2-TA 1C1P 12VDC 0.02A VER	
		SW600	6600R000030	Tact Switch	LS10N2-TA 1C1P 12VDC 0.02A VER	
		TU500	EBL36622402	Tuner,Analog	GNT-600R FM 87.5MHZTO108MHZ 3	
		V500	EAF30745101	Varistor	PGB1010402KR 6V 1% 0.06pF 1x0.	
		V501	EAF30745101	Varistor	PGB1010402KR 6V 1% 0.06pF 1x0.	
		X300	EAW32860901	Crystal	BMC-50 12M 12MHZ 30PPM 18pF,7p	
		X301	6212AB2327X	Crystal	MC-146 32.768KHZ 20PPM 12.5pF	
		X302	EAW32601804	Oscillator,Crystal	BMS-533R 48M 48MHZ 50PPM 3.3V	
		X700	EAW30176101	Crystal	BMC-50 24.576M 24.576MHZ 30PPM	

PWB ASSEMBLY , GPS

		A45	EBR37813205	PCB Assembly	[N10 GPS] [MAIN TOTAL] [PT]	
		ANT100	EAA39988001	Antenna,GPS	ANPS1573F4ZDA SINGLE -2.5DB 2	
		C102	0CK102BK56A	Capacitor,Ceramic,Chip	0402B102K500CT 1nF 10% 50V X7R	NSP
		C103	0CK105BF94A	Capacitor,Ceramic,Chip	C1005Y5V1C105ZT 1uF -20TO+80%	NSP
		C104	ECCH0000901	Capacitor,Ceramic,Chip	CS1005COG2R2C500NR 2.2pF 0.25P	NSP
		C105	0CK180BK4DA	Capacitor,Ceramic,Chip	UMK105CG180JV-T 18pF 5% 50V C0	NSP
		C106	0CK180BK4DA	Capacitor,Ceramic,Chip	UMK105CG180JV-T 18pF 5% 50V C0	NSP
		C108	0CK102BK56A	Capacitor,Ceramic,Chip	0402B102K500CT 1nF 10% 50V X7R	NSP
		C110	0CK270BKFDA	Capacitor,Ceramic,Chip	C1005C0G1H270JT 27pF 5% 50V C0	NSP
		C111	0CK103BHG6A	Capacitor,Ceramic,Chip	C1005X7R1E103KT 10nF 10% 25V X	NSP
		C112	0CK103BHG6A	Capacitor,Ceramic,Chip	C1005X7R1E103KT 10nF 10% 25V X	NSP
		C113	0CK105BF94A	Capacitor,Ceramic,Chip	C1005Y5V1C105ZT 1uF -20TO+80%	NSP
		C114	0CK102BK56A	Capacitor,Ceramic,Chip	0402B102K500CT 1nF 10% 50V X7R	NSP
		C115	0CK105BF94A	Capacitor,Ceramic,Chip	C1005Y5V1C105ZT 1uF -20TO+80%	NSP
		C116	0CK105BF94A	Capacitor,Ceramic,Chip	C1005Y5V1C105ZT 1uF -20TO+80%	NSP
		C117	0CK103BHG6A	Capacitor,Ceramic,Chip	C1005X7R1E103KT 10nF 10% 25V X	NSP
		C118	0CK475CC94A	Capacitor,Ceramic,Chip	C1608Y5V0J475ZT 4.7uF -20TO+80	NSP
		C119	0CK103BHG6A	Capacitor,Ceramic,Chip	C1005X7R1E103KT 10nF 10% 25V X	NSP
		C120	0CK104BH56A	Capacitor,Ceramic,Chip	C1005X7R1E104KT 100nF 10% 25V	NSP
		C121	0CK105CK56A	Capacitor,Ceramic,Chip	C1608X7R1H105KT 1uF 10% 25V X7	NSP
		C122	0CK105CK56A	Capacitor,Ceramic,Chip	C1608X7R1H105KT 1uF 10% 25V X7	NSP
		C129	0CK105CK56A	Capacitor,Ceramic,Chip	C1608X7R1H105KT 1uF 10% 25V X7	NSP

NSP : Non Service Parts

RUN DATE : 17.OCTOBER.2007

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C130	0CK105CK56A	Capacitor,Ceramic,Chip	C1608X7R1H105KT 1uF 10% 25V X7	NSP
		C134	0CK105CK56A	Capacitor,Ceramic,Chip	C1608X7R1H105KT 1uF 10% 25V X7	NSP
		C148	0CK100BK4EA	Capacitor,Ceramic,Chip	C1005C0G1H100JT 10pF 5% 50V C0	NSP
		C153	0CK060BK5FA	Capacitor,Ceramic,Chip	C1005C0G1H060KT 6pF 0.5PF 50V	NSP
		C159	0CK104BH56A	Capacitor,Ceramic,Chip	C1005X7R1E104KT 100nF 10% 25V	NSP
		C160	EAE39487501	Capacitor,Ceramic,Chip	CS1005CG010C500NR 1pF 0.25PF 5	NSP
		C161	0CK105BF94A	Capacitor,Ceramic,Chip	C1005Y5V1C105ZT 1uF -20TO+80%	NSP
		C162	0CK105BF94A	Capacitor,Ceramic,Chip	C1005Y5V1C105ZT 1uF -20TO+80%	NSP
		C163	0CK101BK4EA	Capacitor,Ceramic,Chip	C1005C0G1H101JT 100pF 5% 50V C	NSP
		C164	EAE35171501	Capacitor,Ceramic,Chip	CS1005COG121J500NR 120pF 5% 50	NSP
		C165	0CK104BH56A	Capacitor,Ceramic,Chip	C1005X7R1E104KT 100nF 10% 25V	NSP
		C166	0CK104BH56A	Capacitor,Ceramic,Chip	C1005X7R1E104KT 100nF 10% 25V	NSP
		C167	0CK104BH56A	Capacitor,Ceramic,Chip	C1005X7R1E104KT 100nF 10% 25V	NSP
		C168	0CK330BK4DA	Capacitor,Ceramic,Chip	UMK105CG330JV-T 33pF 5% 50V C0	NSP
		CABLE1	EAD35683001	Harness,Single	5P 20MM 12505HS-05P 12505HS-05	GPS-MAIN
		CN100	6630V90135C	Connector,Wafer	12505WR-05A00 5P 1.25MM 1R ANG	GPS JACK
		FL100	EAM30978201	Filter,Saw	SF14-1575 F5UU07 1575.42M 1.4X	
		IC100	EAN38069401	IC,GPS	gsc3f/lp-7979 2.7VTO3V,2.7VTO3	
		IC100A	SAA30505501	S/W,Firmware	V1.0 0x00 WORLD WIDE Sirf III	
		IC101	EAN39094001	IC,RF Amplifier	UPC8231TK 2.7V TO 3.3V 0.01V 2	
		IC102	EAN38690602	IC,LDO Voltage Regulator	XC6401FF25MR 0V TO 6.5V 2.5V T	
		IC103	EAN38670701	IC,LDO Voltage Regulator	XC6221B152NR 0V TO 6.5V 1.5V 1	
		IC104	EAN39688601	IC,Voltage Detector	XC61FC1642MR 0.7 to 10 1.6 150	
		JK101	EAG36370101	Connector,RF	KMS-506 1.00MM ANGLE SMA SMD R	EXT. GPS JACK
		L102	EAP32186301	Inductor,Multilayer,Chip	LL1005-FHL5N6S 5.6NH 0.5NH 0V	
		L103	EAP30279301	Inductor,Multilayer,Chip	LL1005-FHL10NJ 10NH 10% 0V 0A	
		L104	EAP30279301	Inductor,Multilayer,Chip	LL1005-FHL10NJ 10NH 10% 0V 0A	
		L113	EAP30395901	Inductor,Multilayer,Chip	LL1005-FHL2N7S 2.7NH 0.3NH 0V	
		L116	EAP32185701	Inductor,Multilayer,Chip	LL1005-FHLR10J 100NH 10% 0V 0A	
		L117	EAP30279301	Inductor,Multilayer,Chip	LL1005-FHL10NJ 10NH 10% 0V 0A	
		L118	EAP30279301	Inductor,Multilayer,Chip	LL1005-FHL10NJ 10NH 10% 0V 0A	
		L119	EAP30279301	Inductor,Multilayer,Chip	LL1005-FHL10NJ 10NH 10% 0V 0A	
		L120	EAP30279301	Inductor,Multilayer,Chip	LL1005-FHL10NJ 10NH 10% 0V 0A	
		R100	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	
		R101	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	
		R102	0RJ4700C678	Resistor,Chip	MCR01MZPJ471 470OHM 5% 1/16W 1	
		R103	0RJ1803C678	Resistor,Chip	MCR01MZPJ184 180KOHM 5% 1/16W	
		R104	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	
		R105	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	
		R106	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	
		R107	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	
		R108	0RJ1001C678	Resistor,Chip	MCR01MZPJ102 1KOHM 5% 1/16W 10	
		R109	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	
		R110	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	
		R111	0RJ1003C678	Resistor,Chip	MCR01MZPJ104 100KOHM 5% 1/16W	
		R124	0RJ1002C678	Resistor,Chip	MCR01MZPJ103 10KOHM 5% 1/16W 1	
		R125	0RJ0222C678	Resistor,Chip	MCR01MZPJ220 22OHM 5% 1/16W 10	
		X100	EAW35295001	Oscillator,VCXO	DSB321SD 24.5535MHZ 0.5PPM 2.7	
		X101	6212AB2327X	Crystal	MC-146 32.768KHZ 20PPM 12.5pF	