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PLASMA TV

Schematic and Exploded View

CHASSIS : PU02A

MODEL : 50PK950

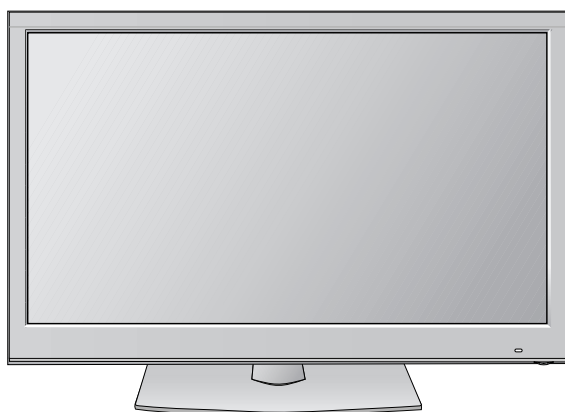
50PK950-UA

50PK950

50PK950-UF

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



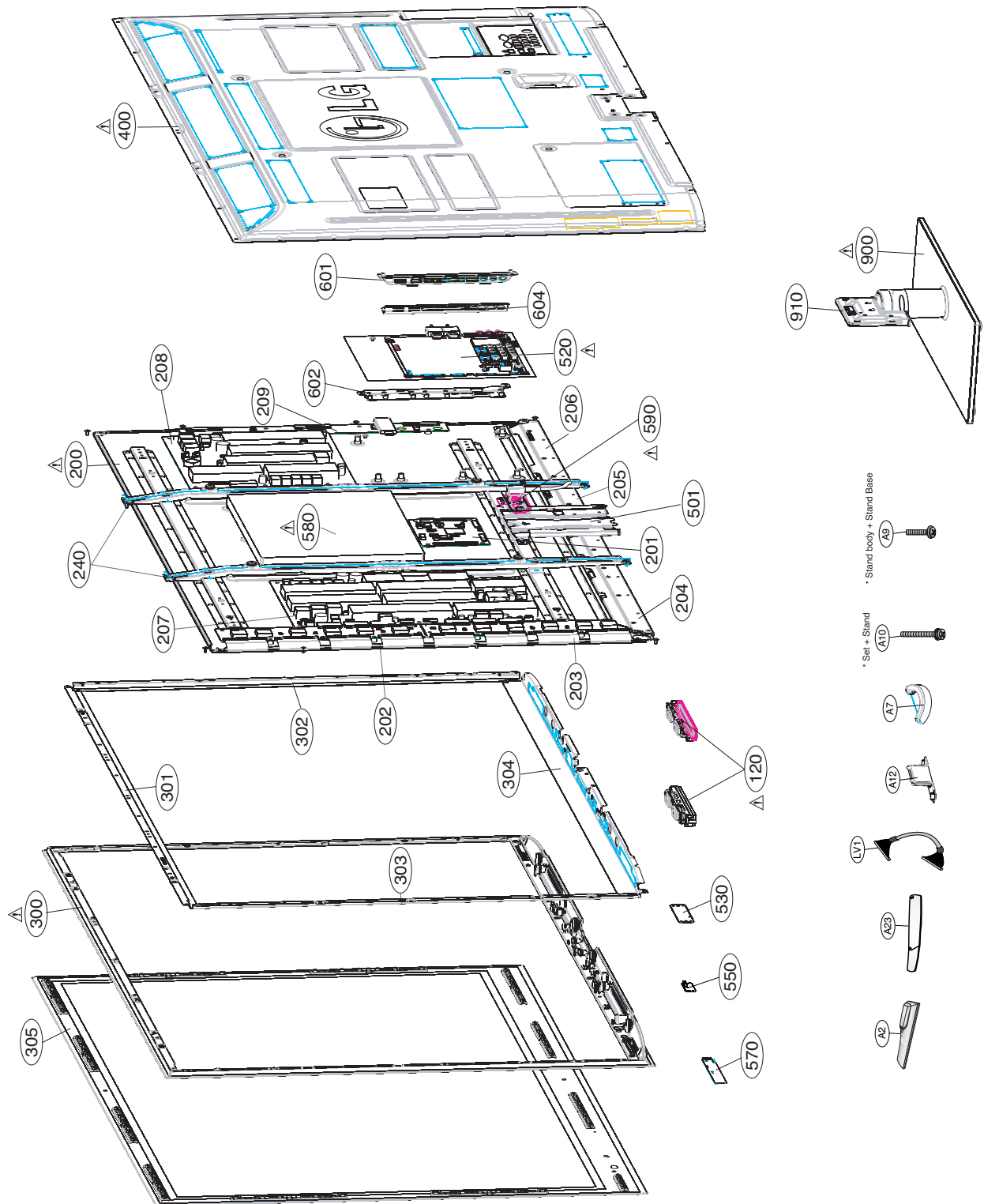
P/NO : MFL62861704(1004-REV00)

Printed in Korea

EXPLODED VIEW

IMPORTANT SAFETY NOTICE

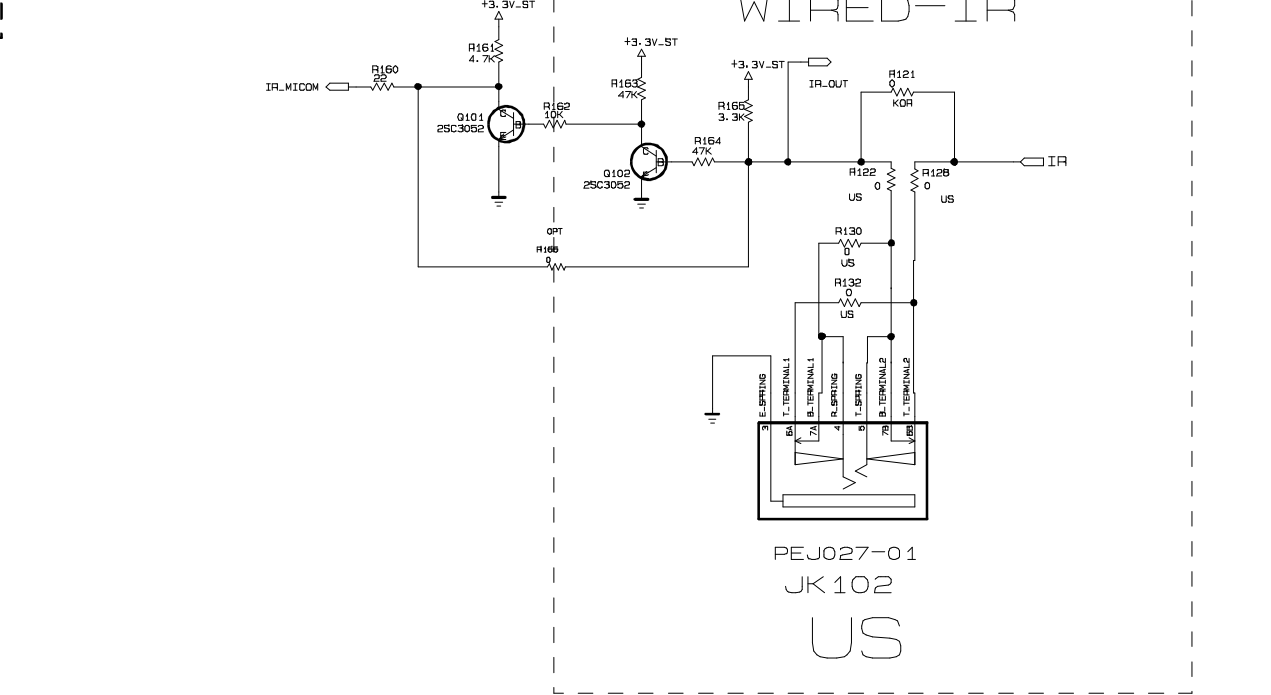
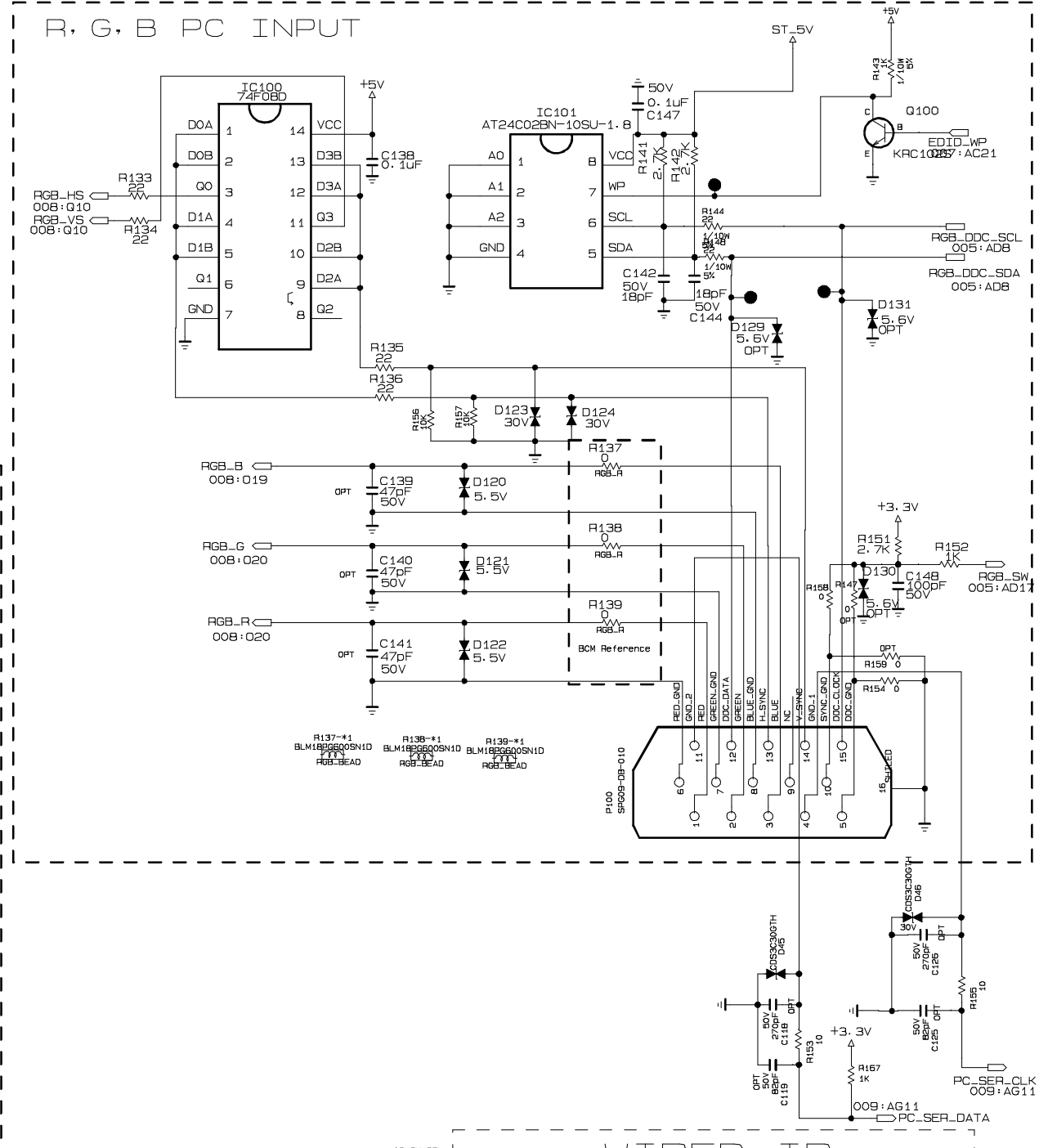
Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by Δ in the Schematic Diagram and EXPLODED VIEW. It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards. Do not modify the original design without permission of manufacturer.



50PK950 EXPLODED VIEW PARTS LIST

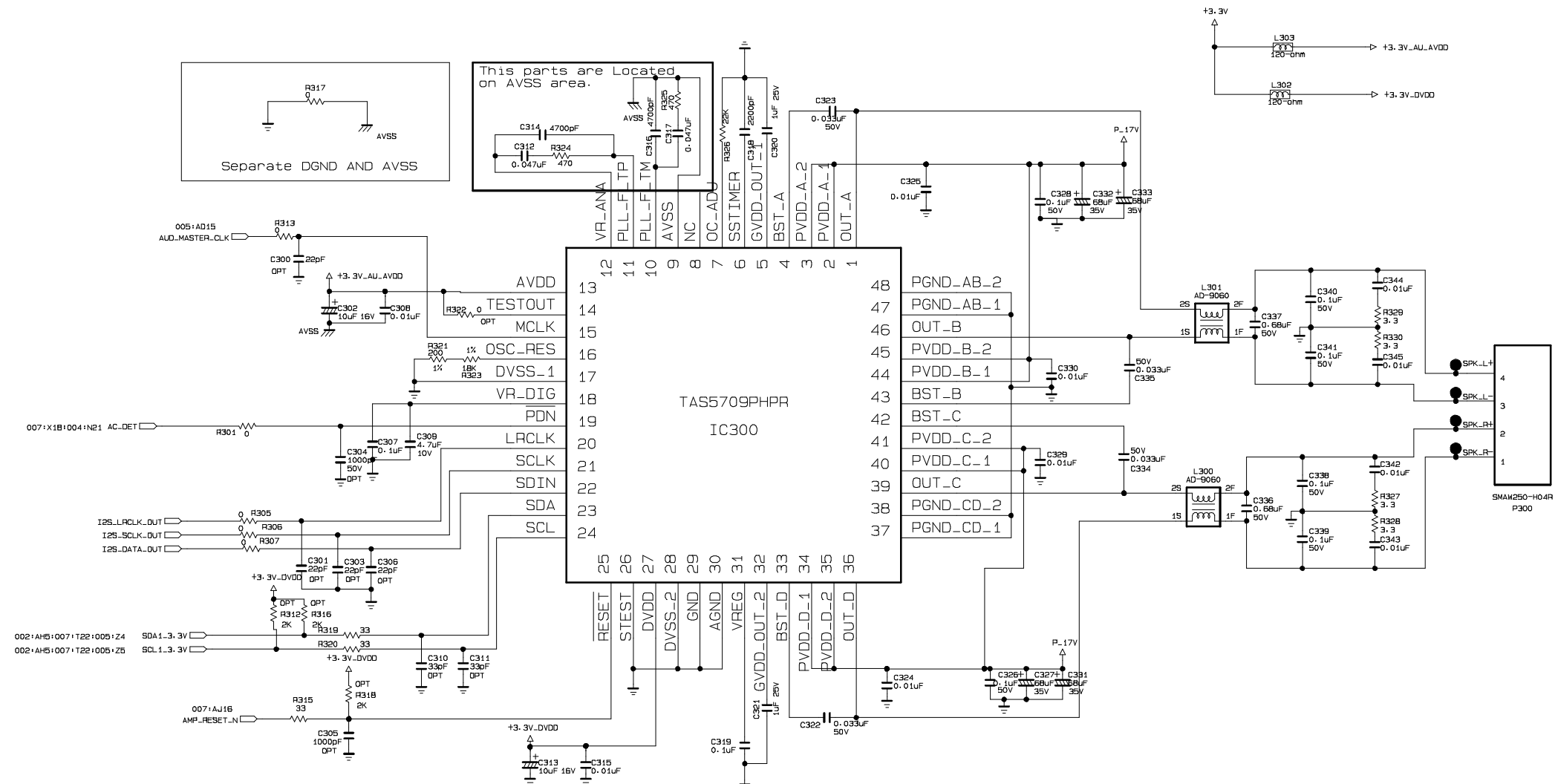
ITEM	PART No	DESCRIPTION
120	EAB60962801	10W 8OHM 81DB 120HZ 169X32X27
200	EAJ60716465	PDP50R10102.ASLGB LOCAL LGERS FULLHD 50INCH 1920
201	EBR63526901	Control (Logic) board
202	EBR62293901	Y-Drive (Upper)
203	EBR62294001	Y-Drive (Lower)
204	EBR63522201	X-Board (Left)
205	EBR63522101	X-Board (Center)
206	EBR63520701	X-Board (Right)
207	EBR62294101	Y-SUS Board
208	EBR62294201	Z-SUS Board
209	EBR63035301	Z-SUB Board
240	AJJ72915403	50PK90 ASSY SUPP_MODULE VERTICAL LGERS PHANTOM
300	ABJ72922002	Cabinet Front Frame
301	AJJ72915003	50PK90 ASSY SUPP_FILTER TOP LGERS LOCAL PHANT
302	AJJ72915114	50PK90 ASSY SUPP_FILTER SIDE L LGERS LOCAL PH
303	AJJ72915113	50PK90 ASSY SUPP_FILTER SIDE R LGERS LOCAL PH
304	AJJ72915307	50PK90 ASSY SUPP_FILTER BOTTOM LGERS LOCAL PH
305	MDJ61968606	CUTTING GLASS GLASS FILTER 50PK70 50PK70 LG CH L
400	ACQ74715524	50PK750/950-UA ASSY BACK COVER GP
501	MJH61871202	PRESS GALVALUME 1.2 GUIDE EGI 50PK7 STAND SUPPOR
520	EBT60955910	MAIN PU02A [PU02A] 50PK950-UA AUSALHR MAIN CHASSIS TOTAL
520	EBR68027905	MAIN PU02A [PU02A] 50PK950-UA AUSALJR MAIN CHASSIS TOTAL
520	EBT60955914	MAIN PU02A [PU02A] 50PK950-UA AUSALUR MAIN CHASSIS TOTAL
520	EBT60955914	MAIN PU02A [PU02A] 50PK950-UA AUSLLUR MAIN CHASSIS TOTAL
530	EBR64966601	Motion Remote Board Assy.
550	EBT61069102	Center LED Board
570	EBR65007705	Intelligent and IR Sensor board (LED & P/SW)
580	EAY60968801	Power Supply Board
590	EAM60352511	AC Line Filter
601	ABA72940716	Bracket (Side AV)
602	MGJ61965206	Bracket (Main Right Side)
604	MGJ61965303	Side AV Plate
900	AAN72941903	Stand
910	MJH61876102	Stand Supporter
A2	AKB72914002	Remote Control Transmitter
A7	MAZ61969002	Bracket Cable Management
A9	FAB30018310	Screw Assembly FAB30018310 BH + P 4MM 14MM
A10	FAB30016432	Screw Assembly FAB30016432 MACHINE TYPE D4.0 L28.0
A12	MCK62640704	Additional Cover
A23	AKB73035402	Motion Remote Control
LV1	EAD60856511	LVDS Cable

JK 100
PPJ237-01



SECRET	 LG ELECTRONICS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">MODEL</td> <td style="width: 40%;">EAX61557901</td> <td style="width: 20%;">DATE</td> <td style="width: 20%;"></td> </tr> <tr> <td>BLOCK</td> <td>COMPONENT/RGB/SPDIF</td> <td>SHEET</td> <td style="text-align: center;">1 / 14</td> </tr> </table>	MODEL	EAX61557901	DATE		BLOCK	COMPONENT/RGB/SPDIF	SHEET	1 / 14
MODEL	EAX61557901	DATE								
BLOCK	COMPONENT/RGB/SPDIF	SHEET	1 / 14							

AMP

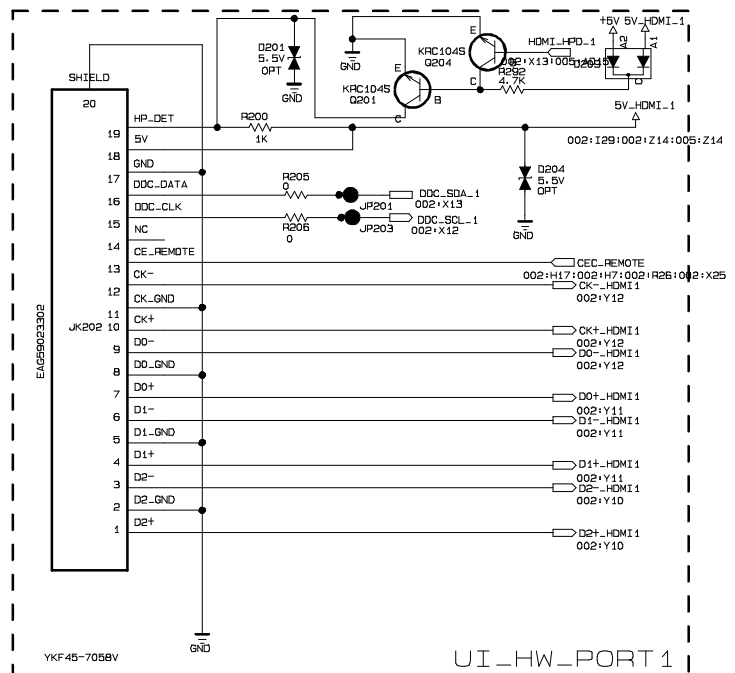


THE ⚠ SYMBOL MARK OF THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION. FILRE AND ELECTRICAL SHOCK HAZARDS, WHEN SERVICING IF IS ESSENTIAL THAT ONLY MANUFACTURES SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE ⚠ SYMBOL MARK OF THE SCHEMATIC.

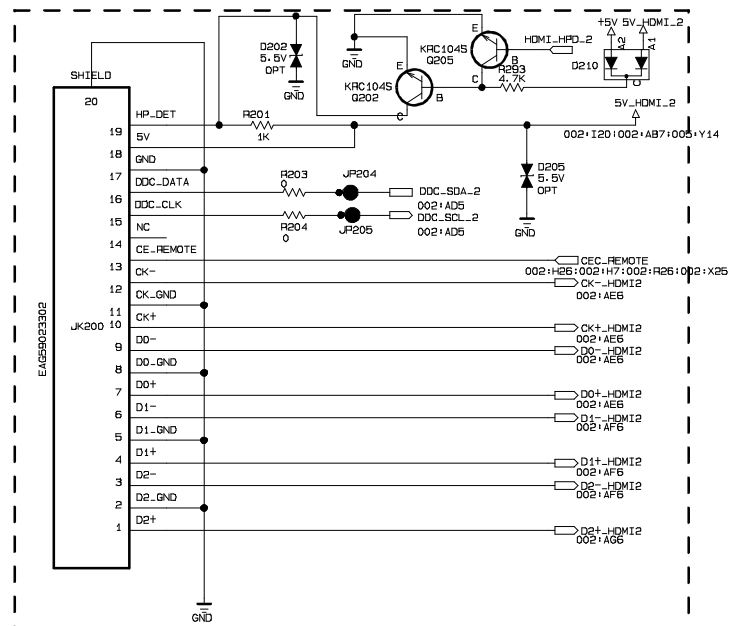
SECRET
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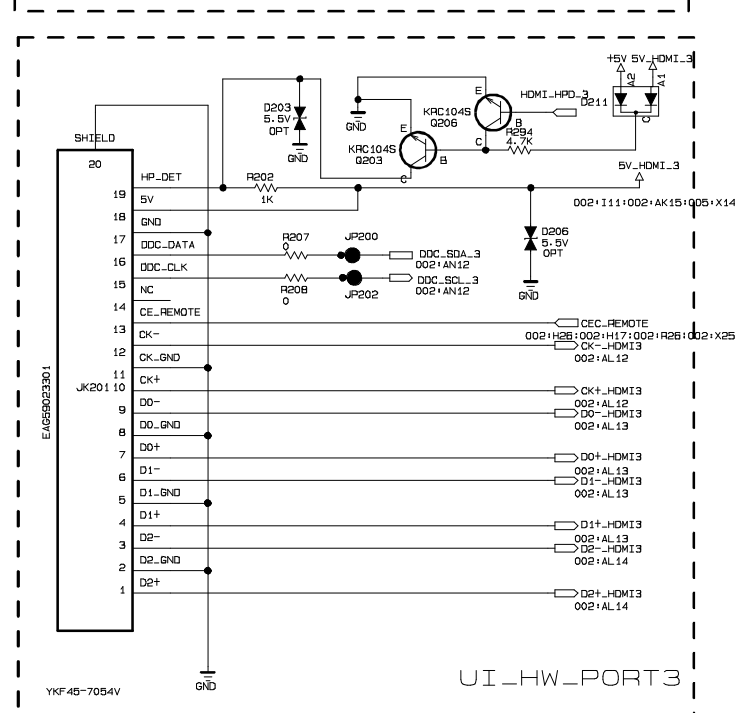
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BLOCK	Audio AMP	SHEET	3 / 13



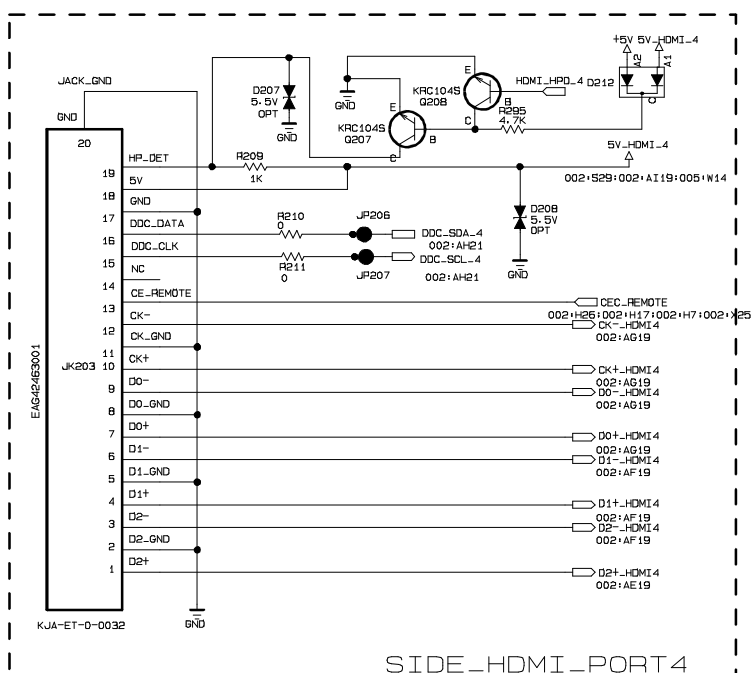
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UI_HW_PORT2

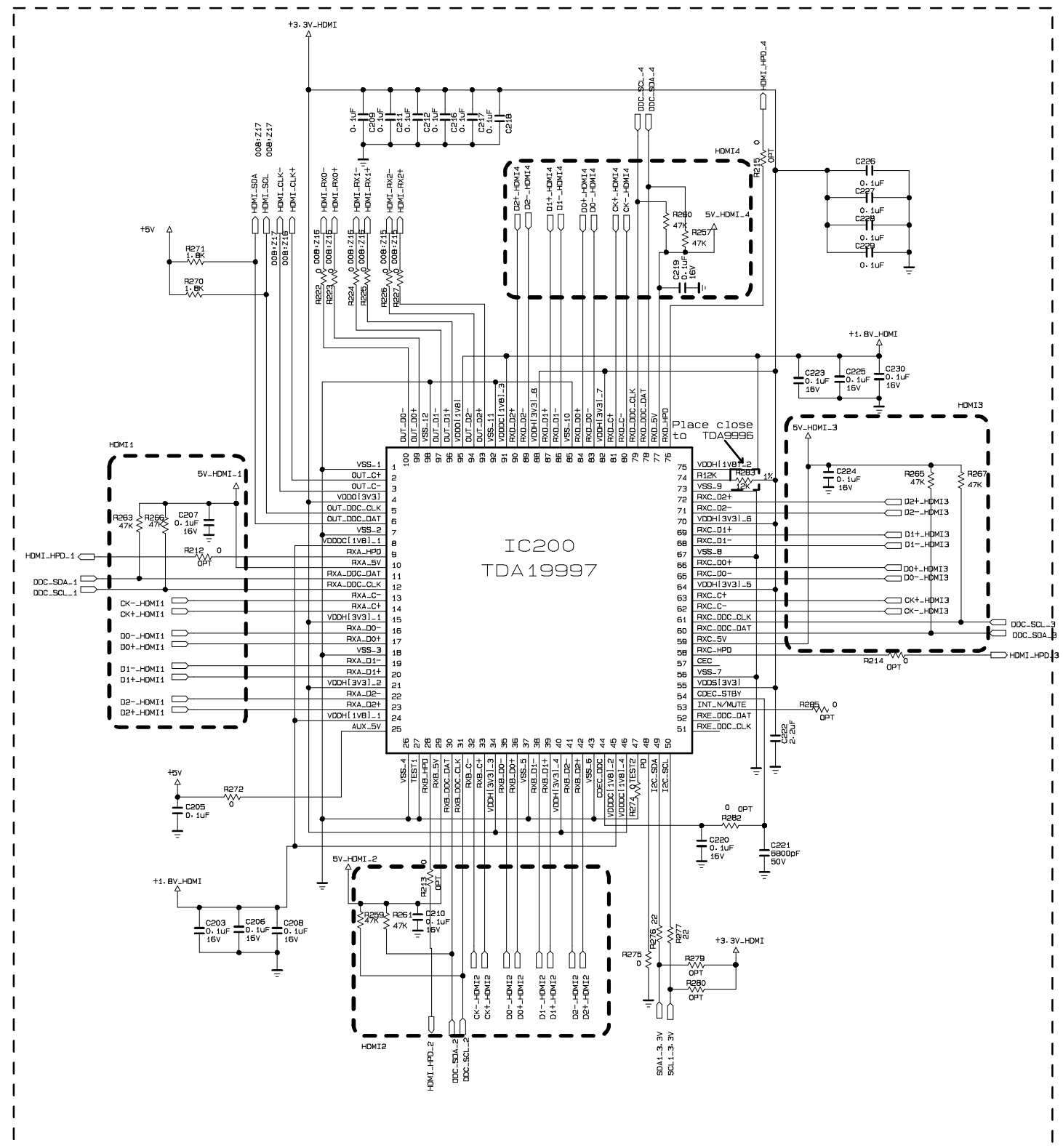
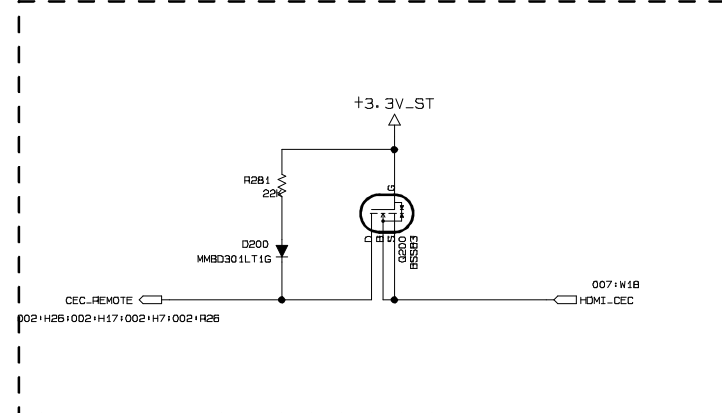




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SIDE_HDMI_PORT4

* HDMI CEC



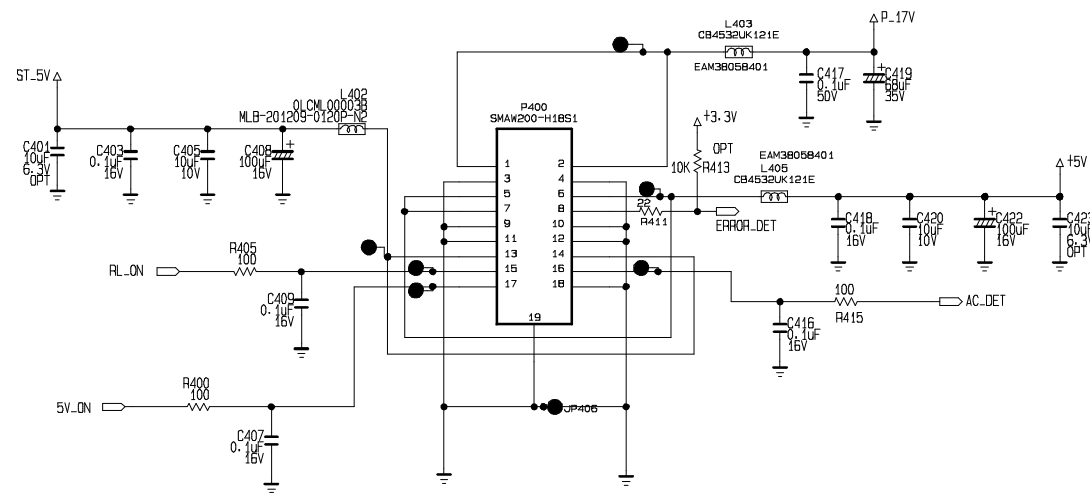
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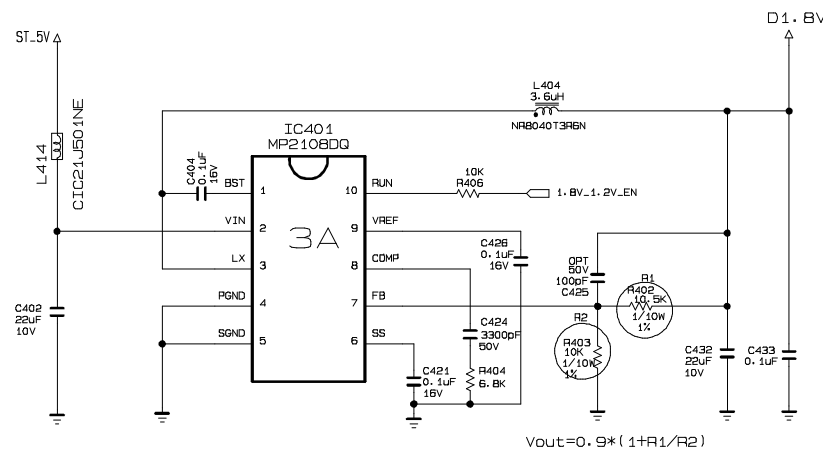
LG ELECTRONICS

MODEL	EAX61557901	DATE	
BLOCK	HDMI	SHEET	2 / 14

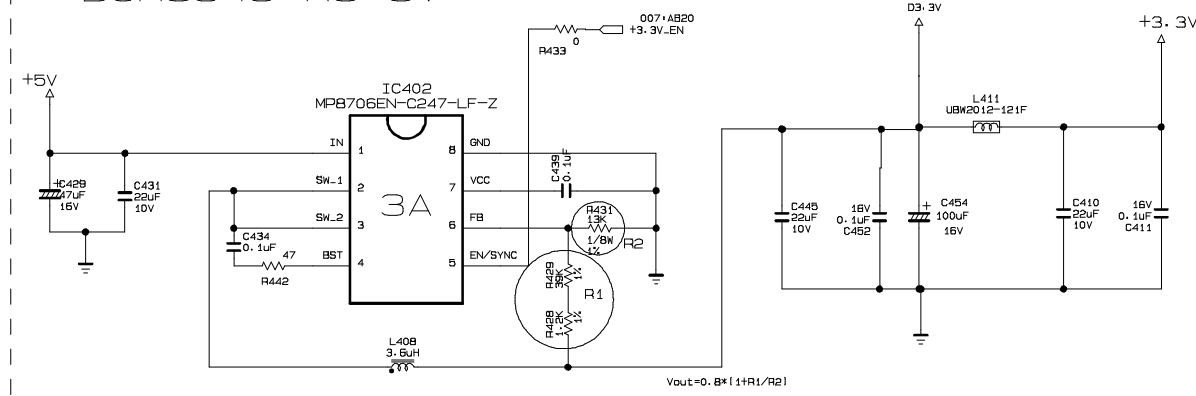
FROM POWER B/D POWER Wafer 18P



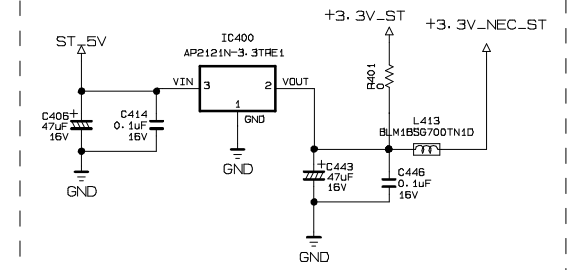
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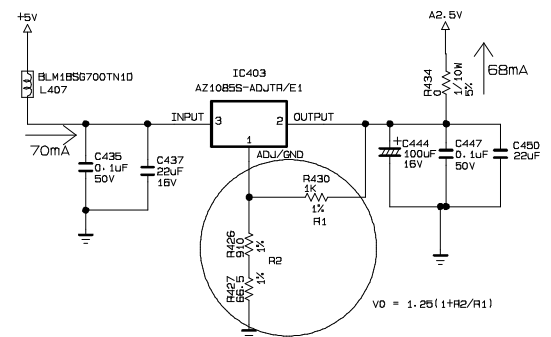
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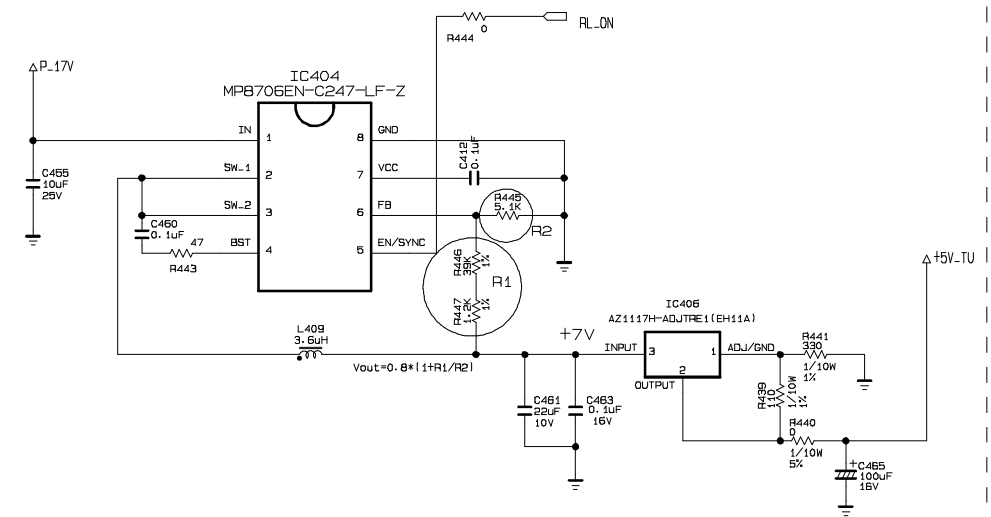
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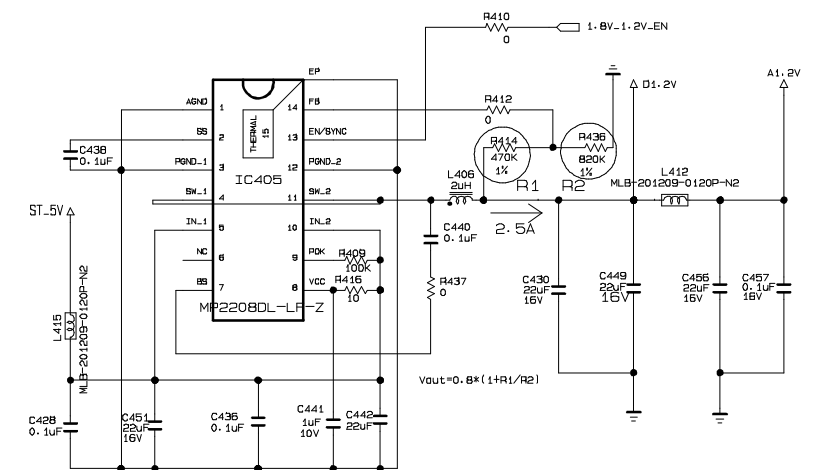
BCM3549 A2.5V





TUNER & Demod



BCM core 1.2V volt

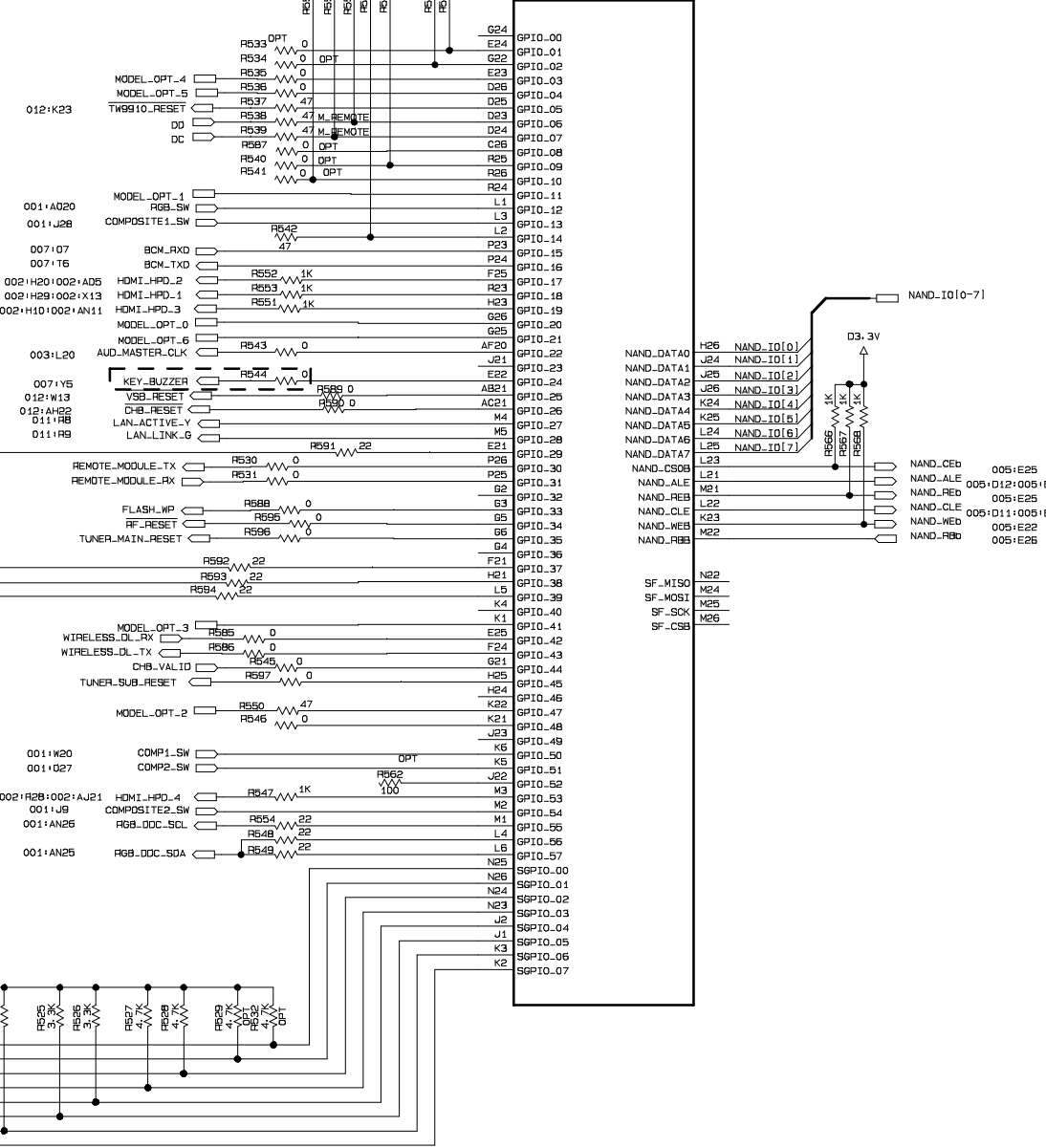
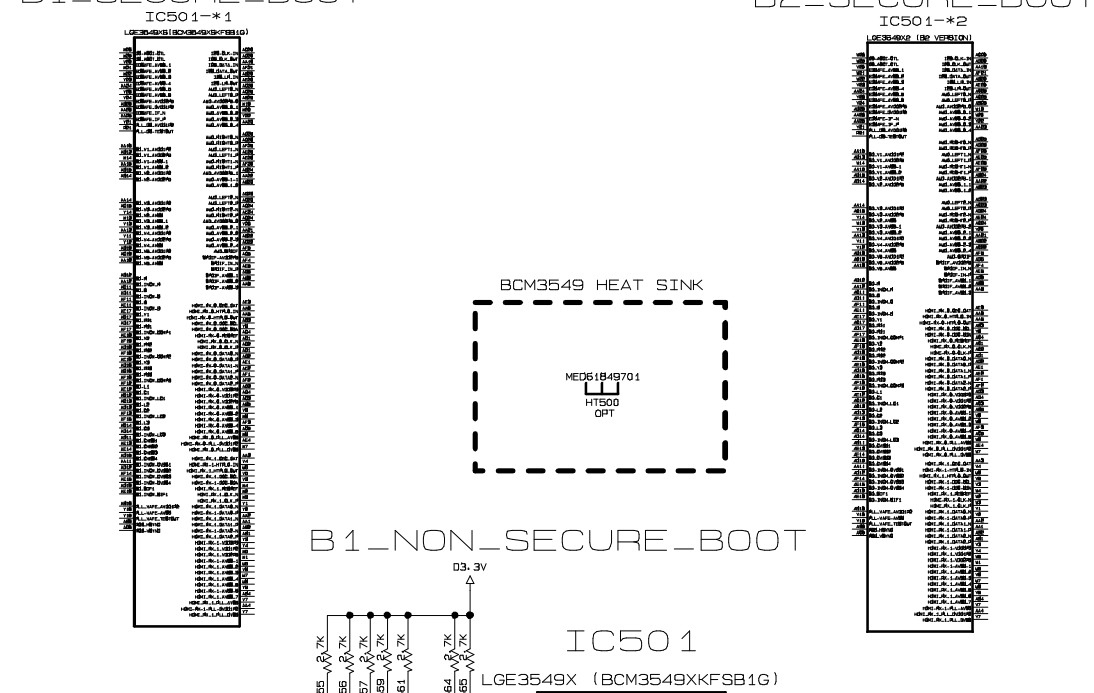
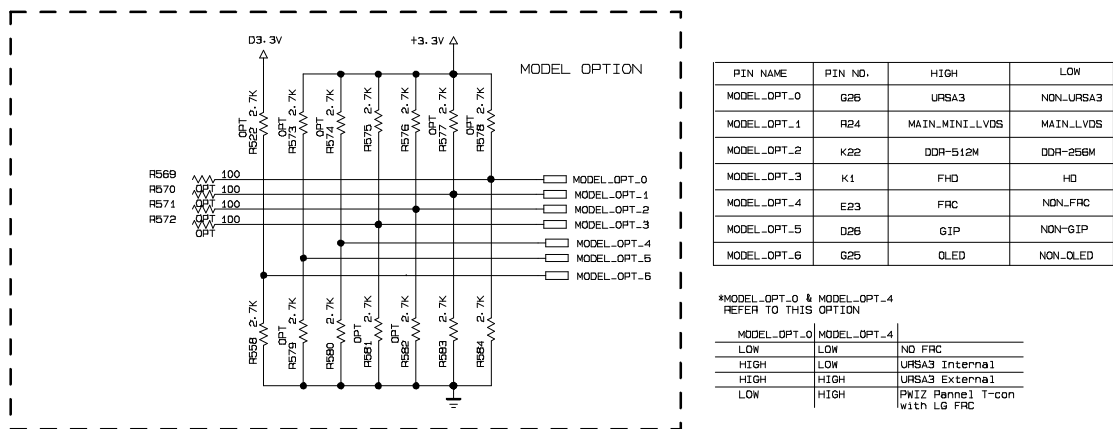


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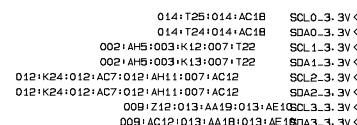
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MODEL	EAX61557901	DATE	
BLOCK	POWER	SHEET	4 / 14

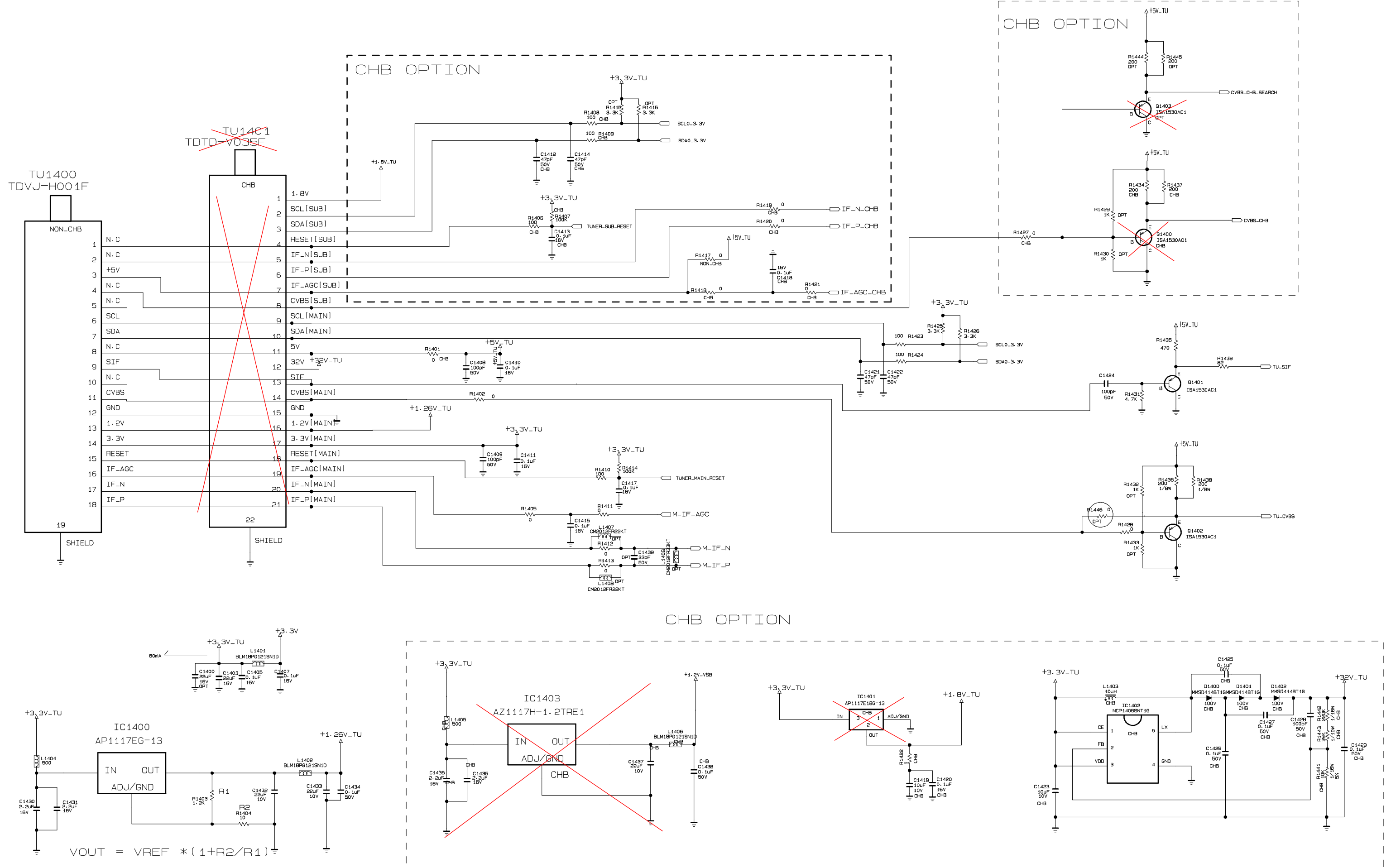




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* I2C_0: AT CAN TUNER , CHB TUNER1
* I2C_1:TAS5709, MICOM, HDMI S/W
* I2C_2:NVRAM, VIDEO ENC., VSB DEMOD, CH BLOWER
* I2C_3:MODULE, Wireless
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LGIT CHB/NON_CHB CAN H/N TUNER for US&KOR



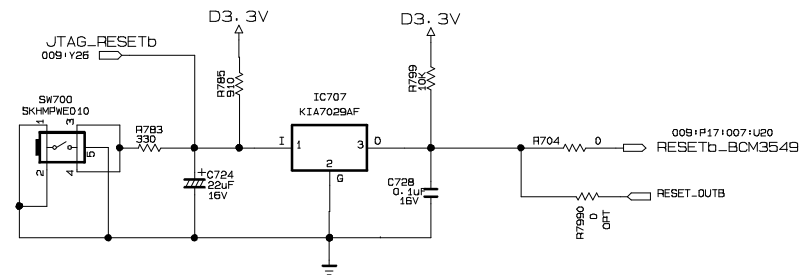
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LG Electronics

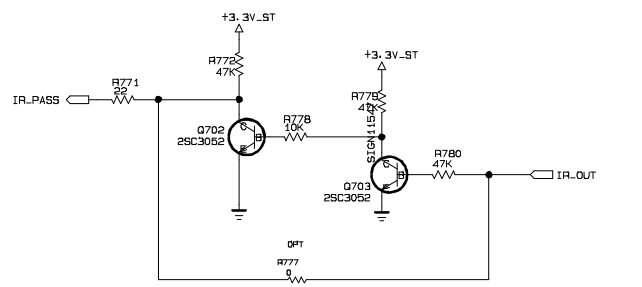


MODEL	EAX61557901	DATE	
BLOCK	TUNER	SHEET	14 / 14

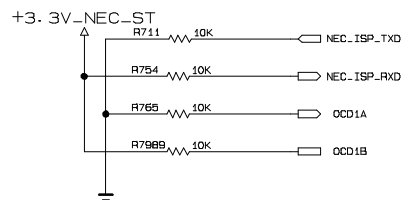
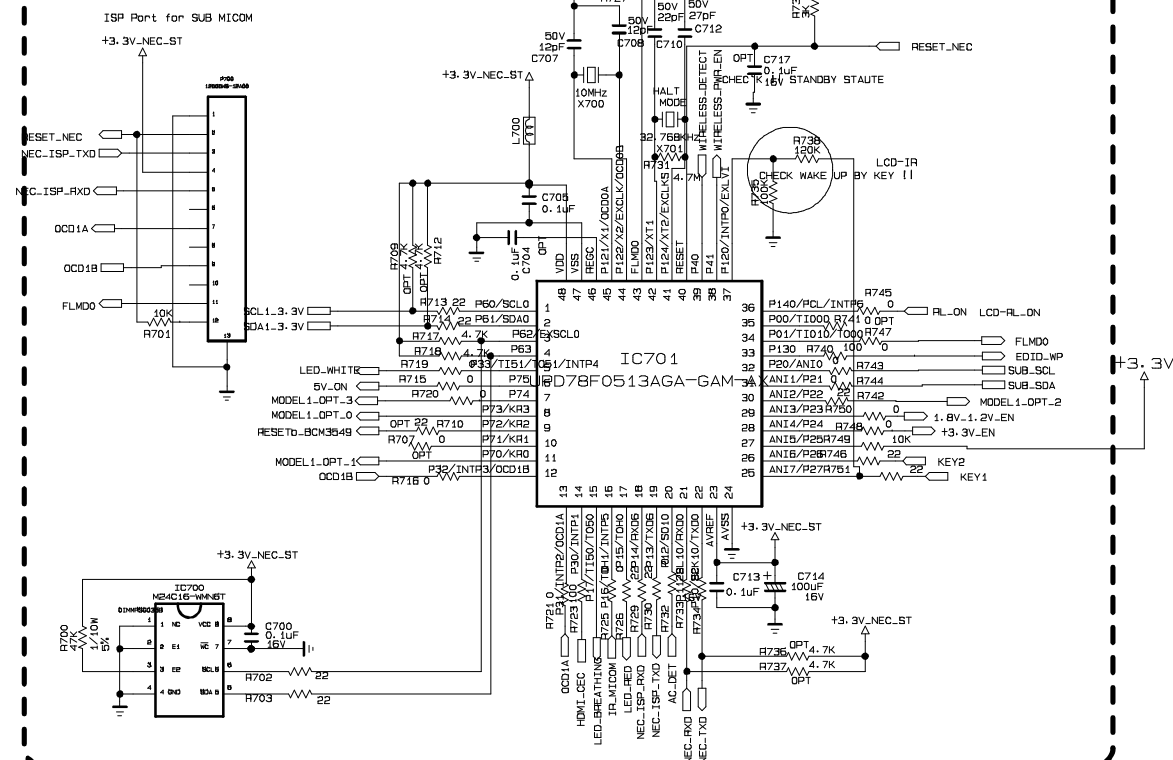
RESET



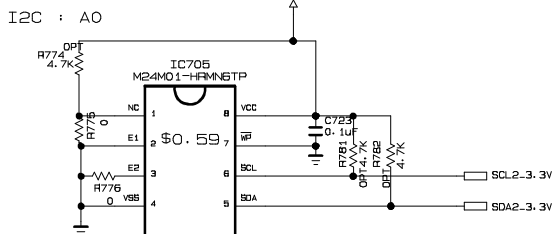
WIRELESS



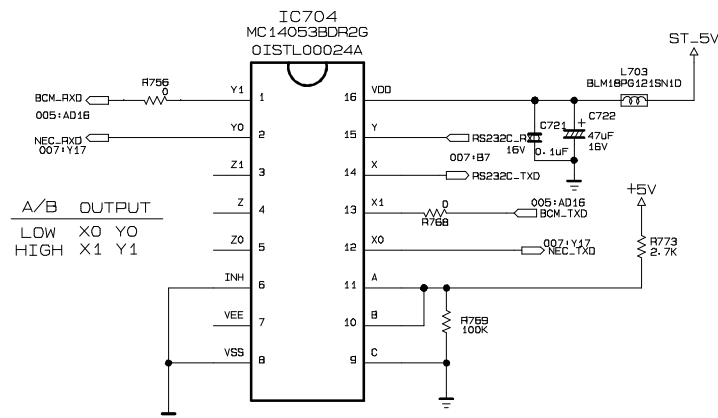
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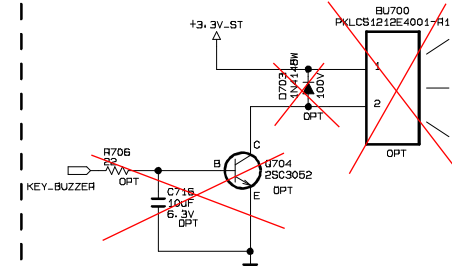
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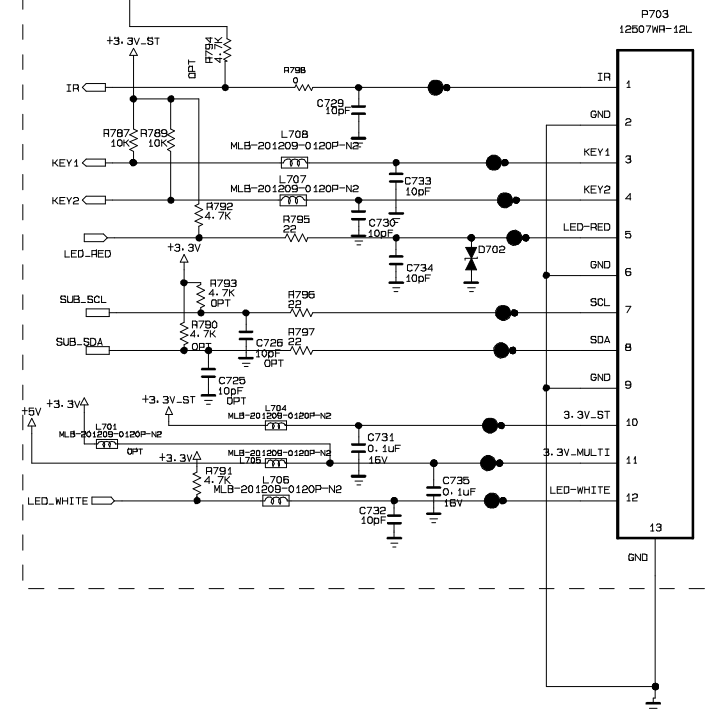
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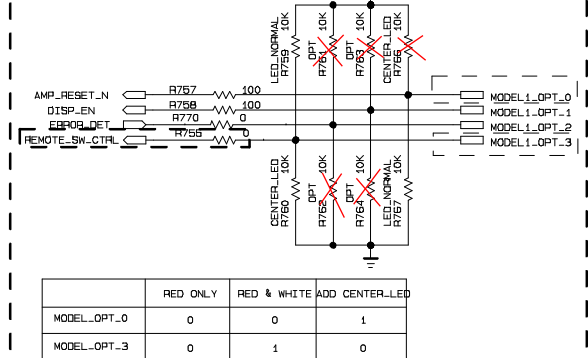
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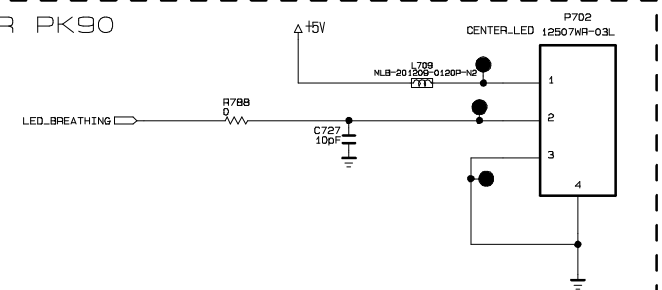
SUB Board I/F



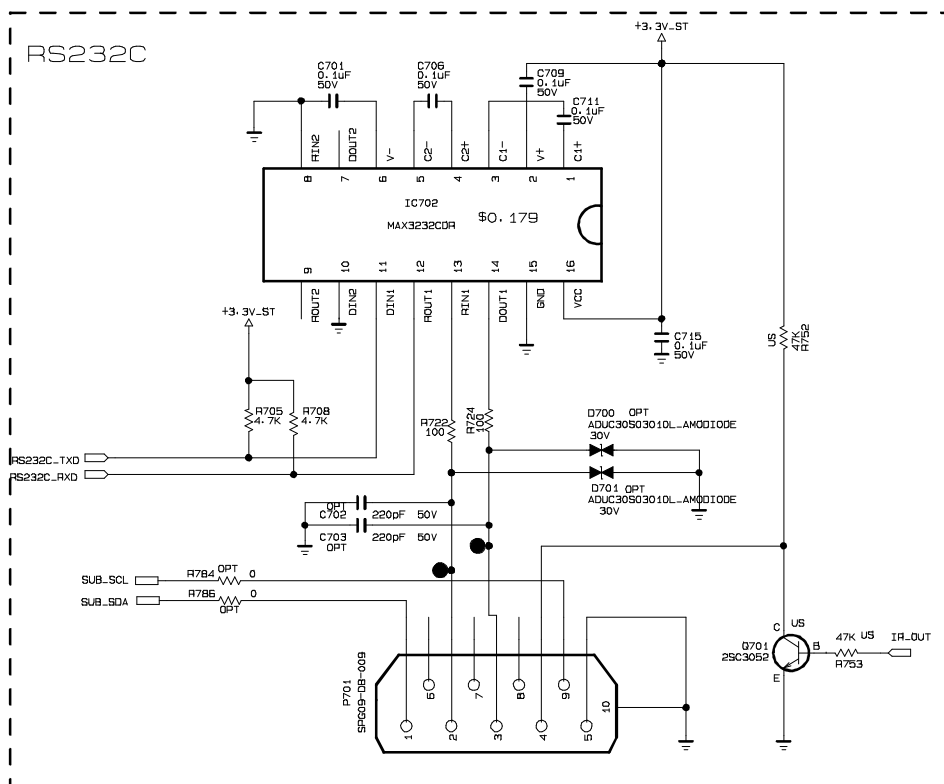
MICOM MODEL OPTION



FOR PK90



RS232C

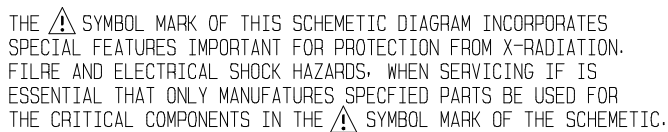


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MODEL	EAX61557901	DATE	
BLOCK	MICOM/RS-232C/IR	SHEET	7 / 14



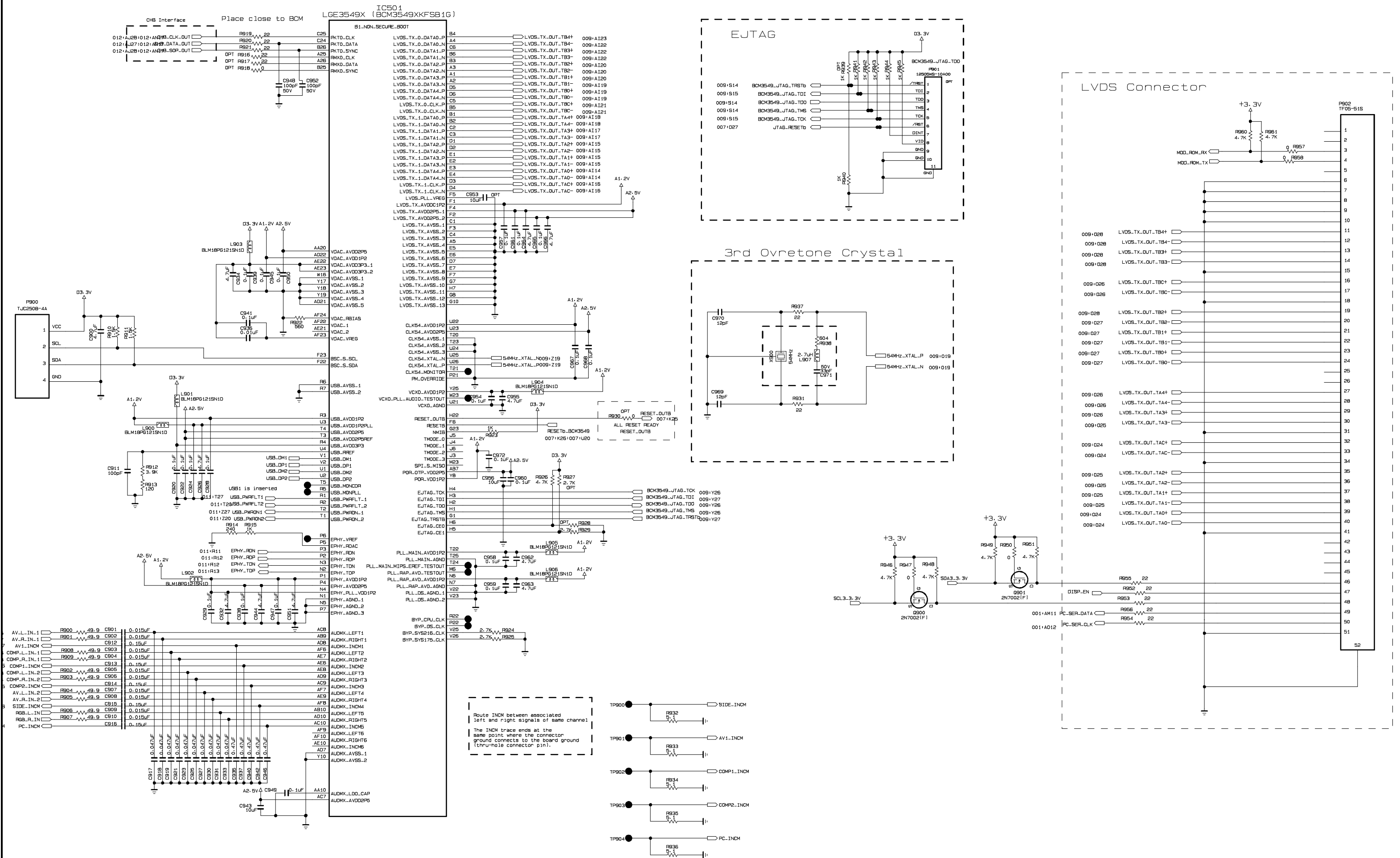
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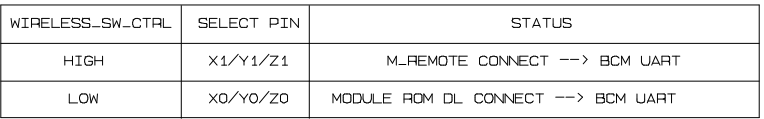
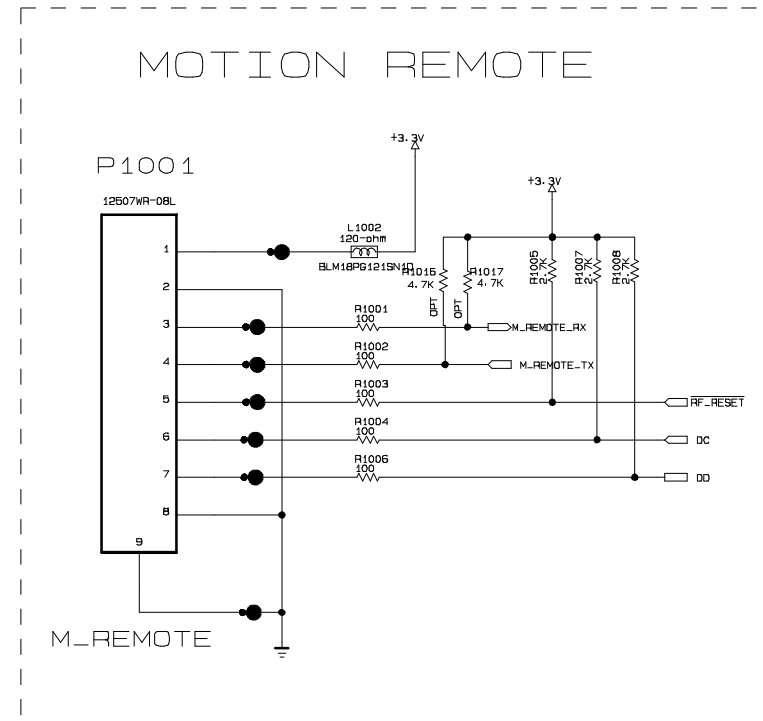
SHEET

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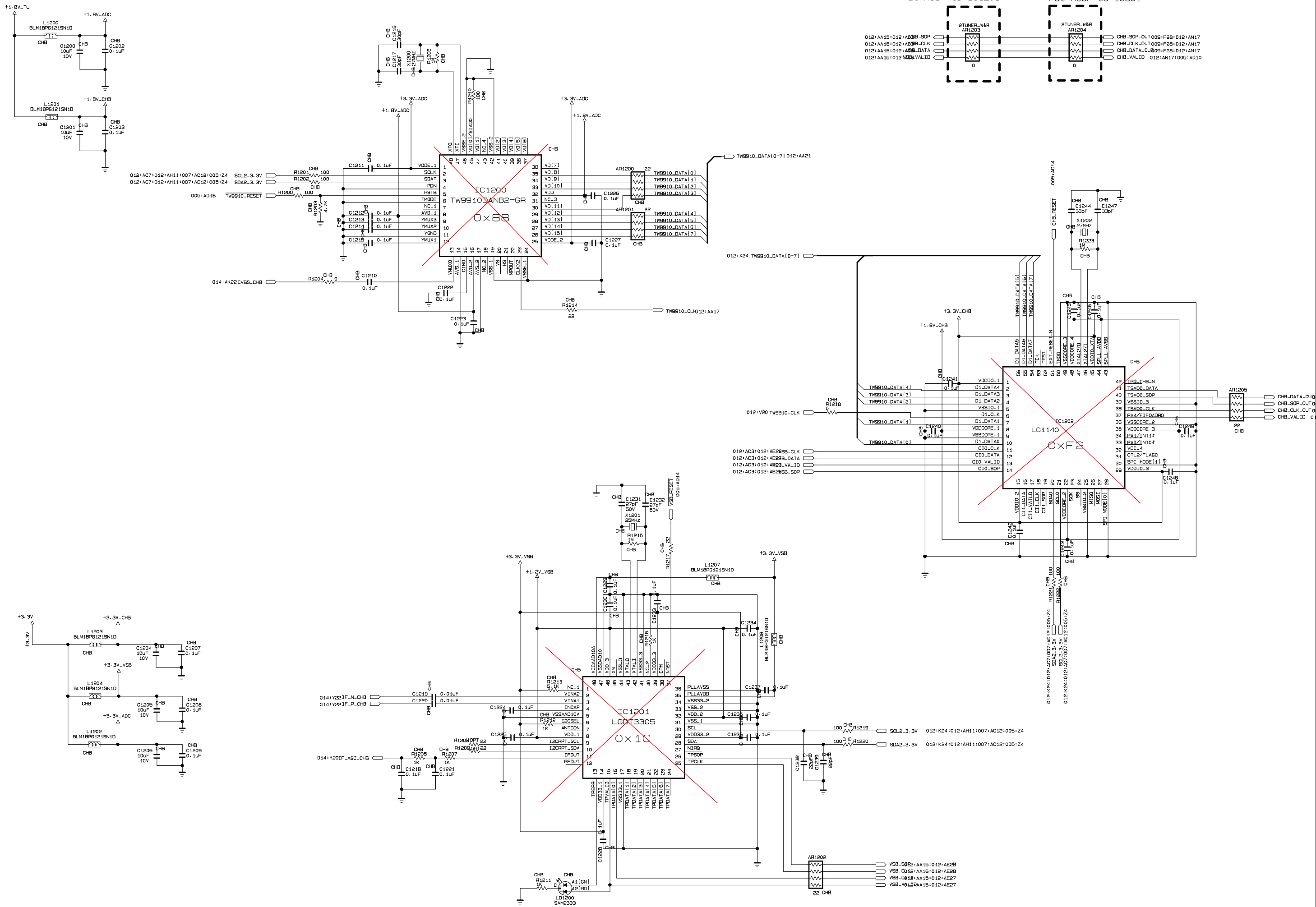
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MODEL	EAX61557901	DATE	
BLOCK	BCM_POWER/M-R	SHEET	10 / 14

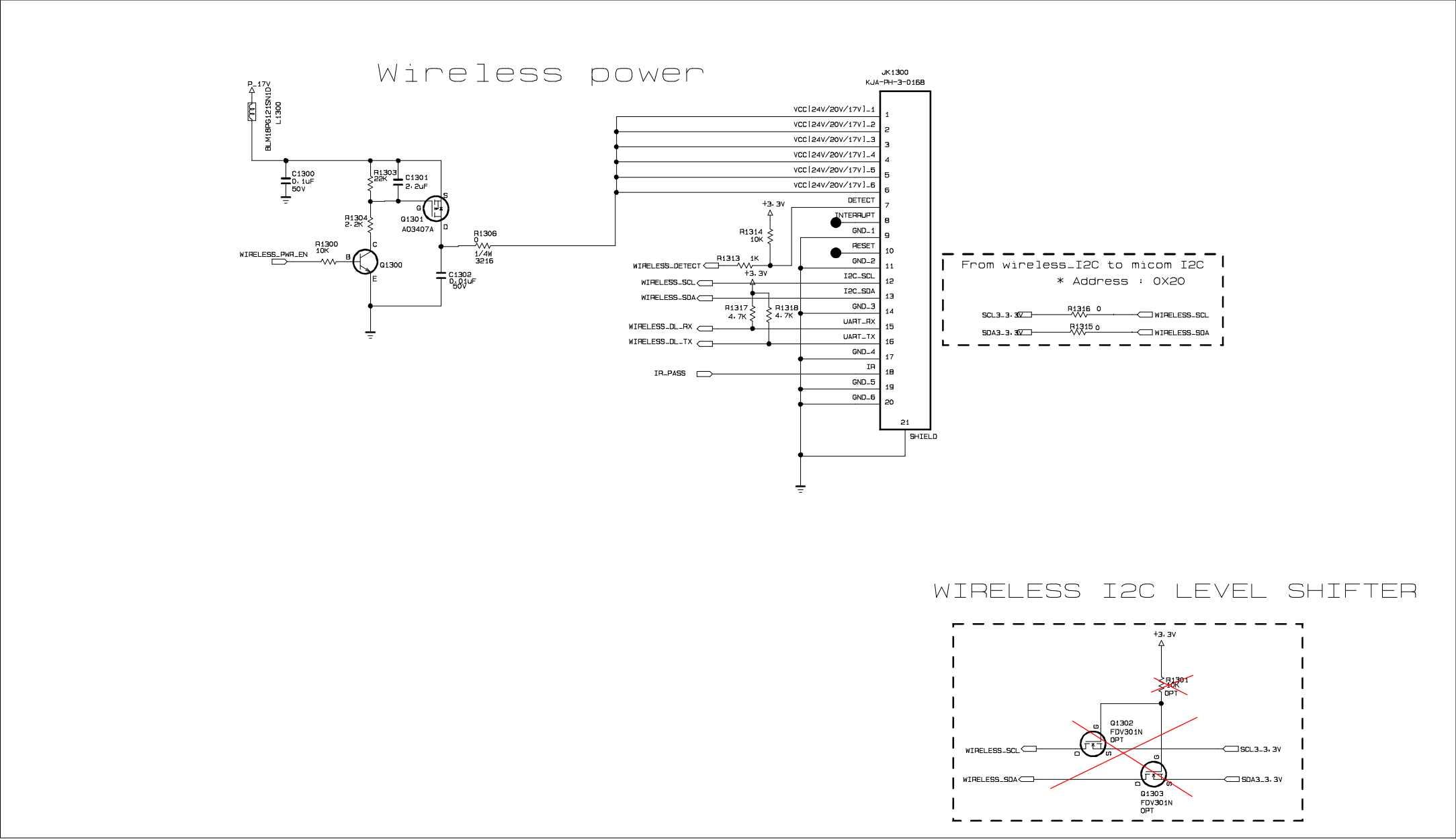


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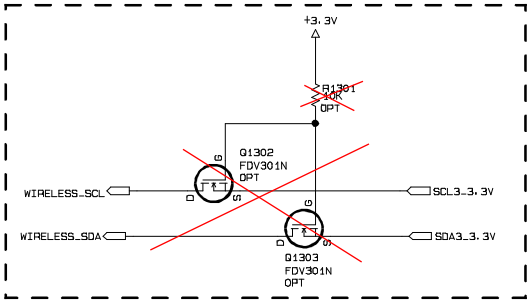




MODEL	EAX61557901	DATE	
BLOCK	CHB	SHEET	12 / 14

WIRELESS READY MODEL



WIRELESS I2C LEVEL SHIFTER



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MODEL	EAX61557901	DATE	
BLOCK	Wireless	SHEET	13 / 14

