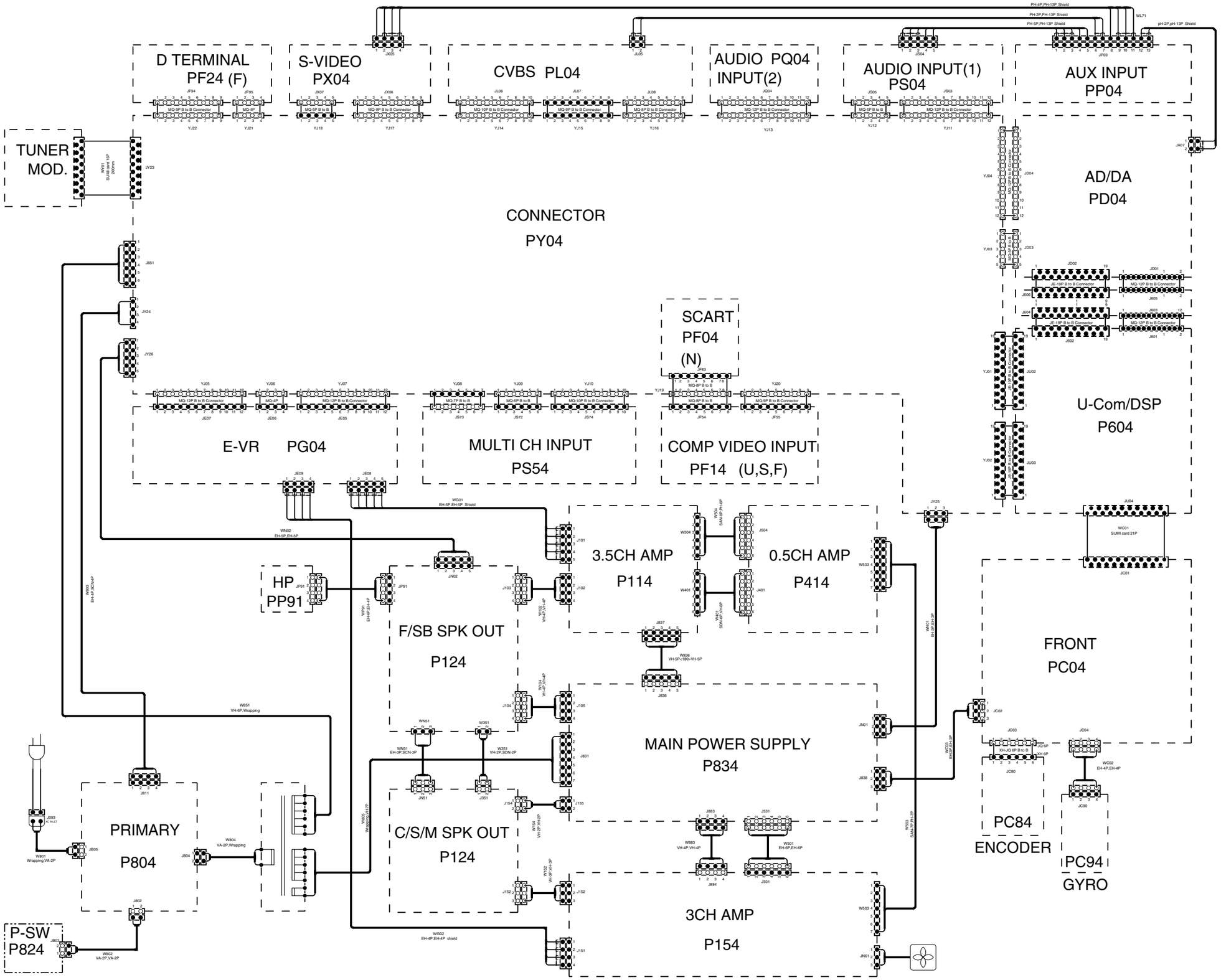
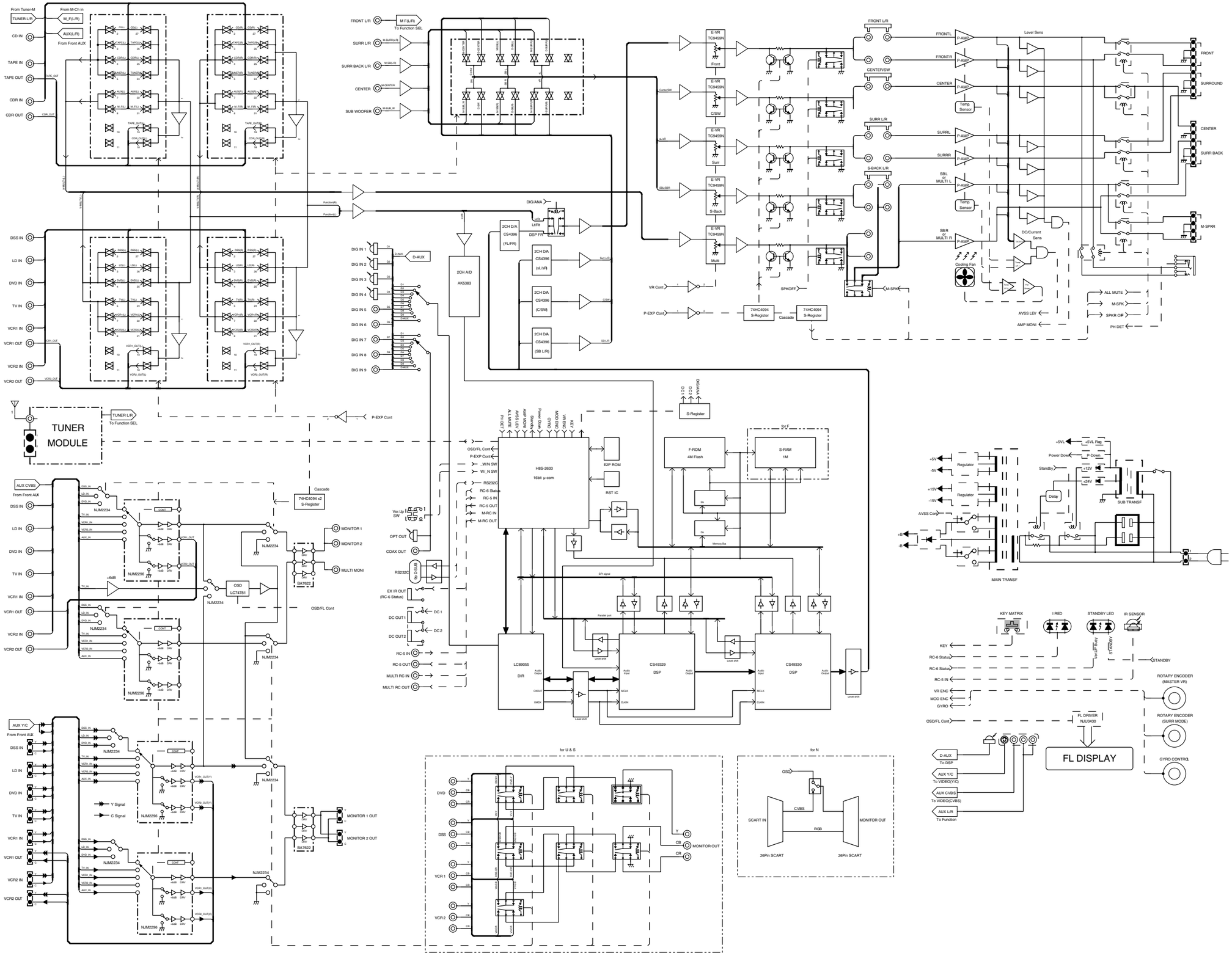
2. WIRING DIAGRAM

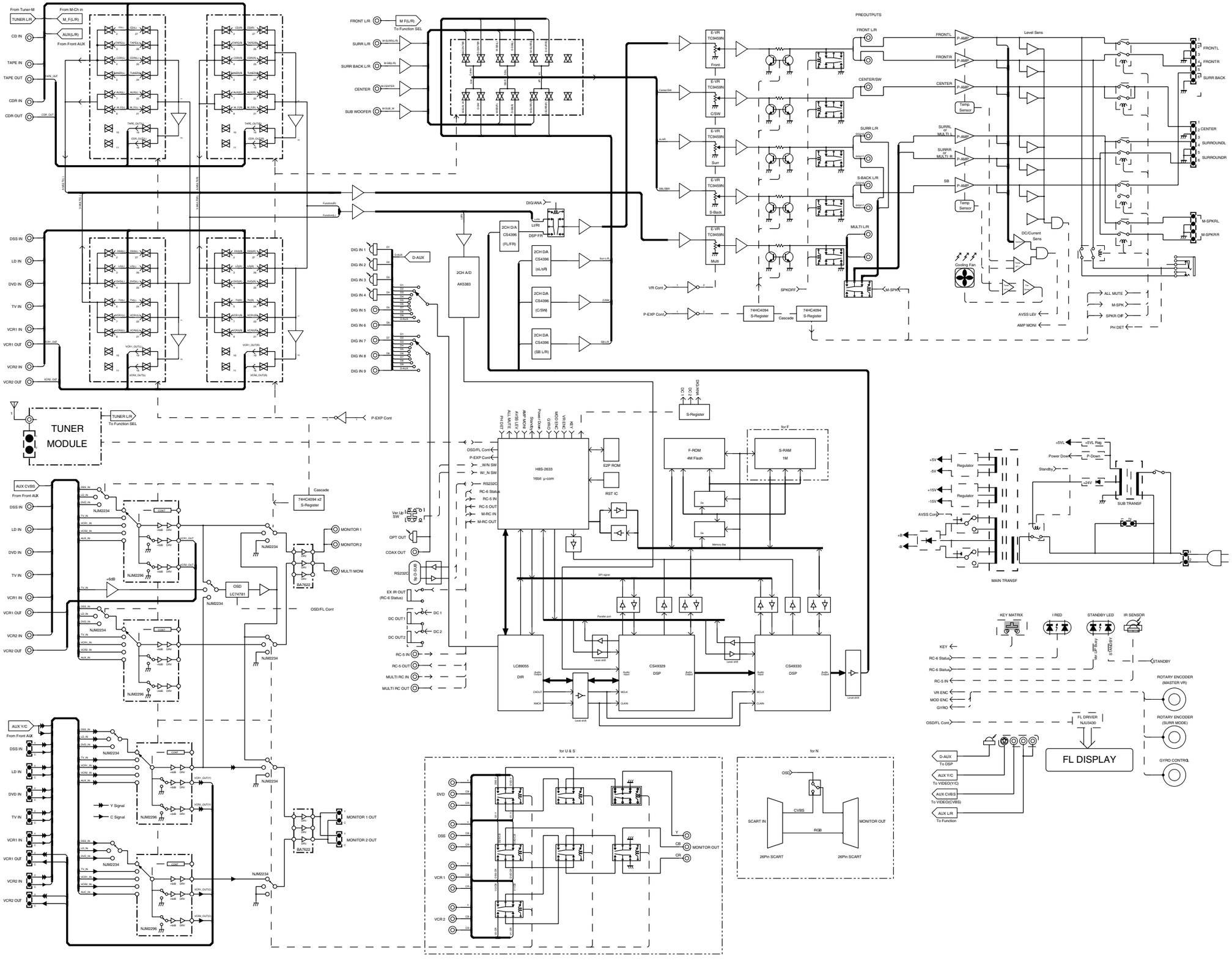


3. BLOCK DIAGRAM

SR9200 / PS9200



SR8200

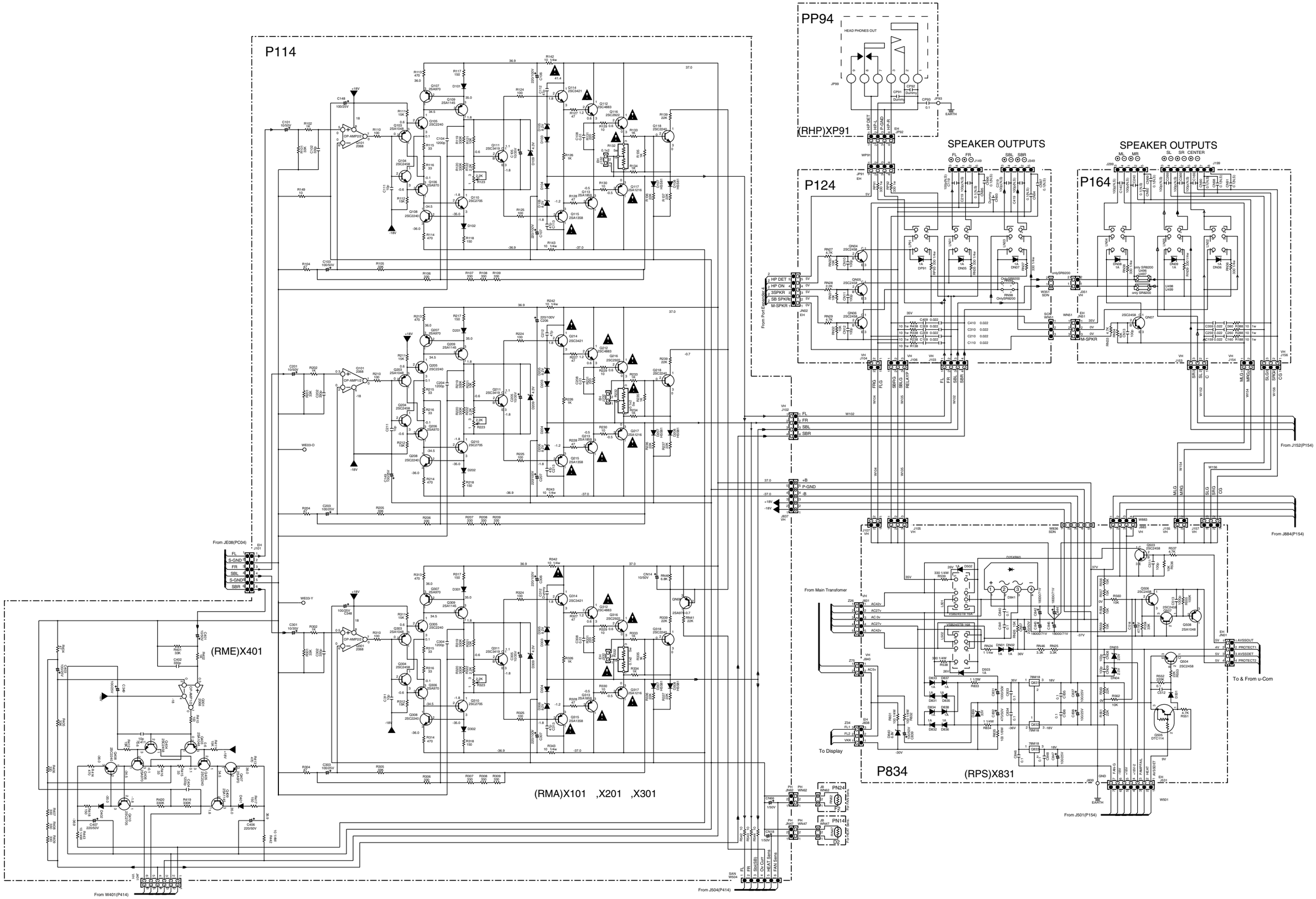

From Tuner+M
From M-Ch in
TUNER L/R
M_F(L/R)
CD IN
AUX(L/R)
From Front AUX
TAPE IN
TAPE OUT
CDR IN
CDR OUT
DSS IN
LD IN
DVD IN
TV IN
VCR1 IN
VCR1 OUT
VCR2 IN
VCR2 OUT
TUNER MODULE
TUNER L/R
To Function SEL
P-EXP Cont
FRONT L/R
SURR L/R
SURR BACK L/R
CENTER
SUB WOOFER
M F(L/R)
To Function SEL
M-SURR(L/R)
M-SBS(L/R)
M-CENTER
M-SUB_W
PREOUTPUTS
FRONT L/R
CENTER/SW
SURR L/R
S-BACK L/R
MULTI L/R
E-VR TC9459N
Front
C/SW
Surr
S-Back
Multi
VR Cont
P-EXP Cont
74HC4094 S-Register
Cascade
SPKOFF
M-SPK
P-AMP
FRONTL
FRONTR
CENTER
SURRL or MULTI L
SURRR or MULTI R
SB
Temp Sensor
Level Sens
DC/Current Sens
Cooling Fan
ALL MUTE
AVSS LEV
AMP MONI
PH DET
SURR BACK
SURROUNDL
SURROUNDR
M-SPKRL
M-SPKRR
DIG/ANA
2CH D/A CS4396 (FL/FR)
2CH D/A CS4396 (SL/SR)
2CH D/A CS4396 (C/SW)
2CH D/A CS4396 (SB L/R)
2CH A/D AK5383
DSP FR
DIG IN 1
DIG IN 2
DIG IN 3
DIG IN 4
DIG IN 5
DIG IN 6
DIG IN 7
DIG IN 8
DIG IN 9
D-AUX
OSD/FL Cont
P-EXP Cont
W/_N SW
RS232C
RC-6 Status
RC-5 IN
RC-5 OUT
M-RC IN
M-RC OUT
H8S-2633
16bit μ-com
E2P ROM
RST IC
F-ROM 4M Flash
S-RAM 1M
for F
Var.Up SW
OPT OUT
COAX OUT
EX IR OUT (RC-6 Status)
DC OUT 1
DC OUT 2
DC 1
DC 2
MULTI RC IN
MULTI RC OUT
SPI signal
Parallel port
LC89055 DIR
CS49329 DSP
CS49330 DSP
Level shift
AUX CVBS
From Front AUX
AUX Y/C
From Front AUX
NJM2234
NJM2296
OSD LC74781
BA7622
MONITOR 1
MONITOR 2
MULTI MONI
MONITOR 1 OUT
MONITOR 2 OUT
Y Signal
C Signal
OSD/FL Cont
for U & S
for N
DVD
DSS
VCR 1
VCR 2
Y
CB
CR
MONITOR OUT
OSD
CVBS
RGB
SCART IN
MONITOR OUT
26Pin SCART
26Pin SCART

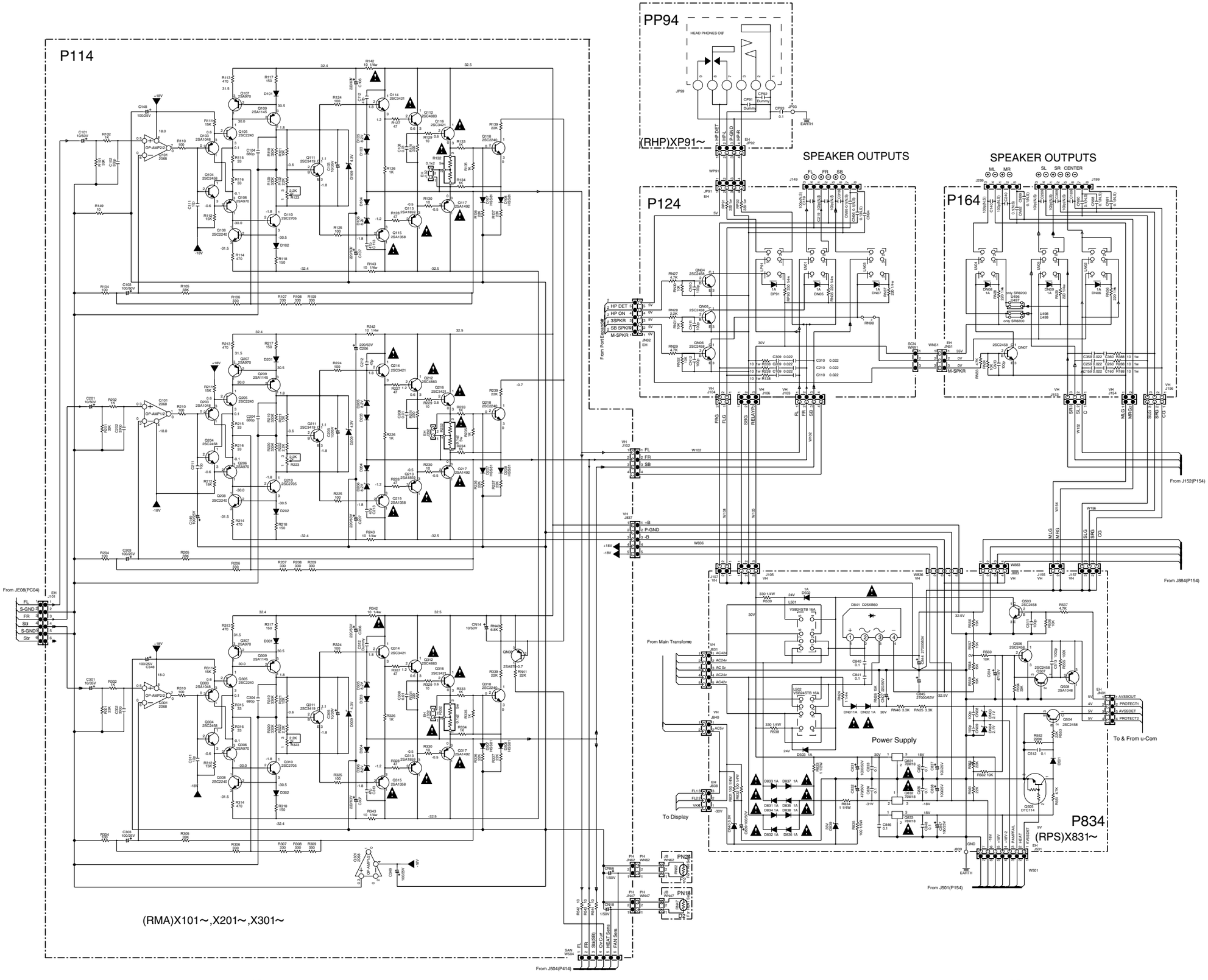
+5V
-5V
+15V
-15V
AVSS Con
+B
-B
Regulator
Regulator
+5VL Reg
Power Down
P-Down
Standby
+24V
SUB TRANSF
MAIN TRANSF

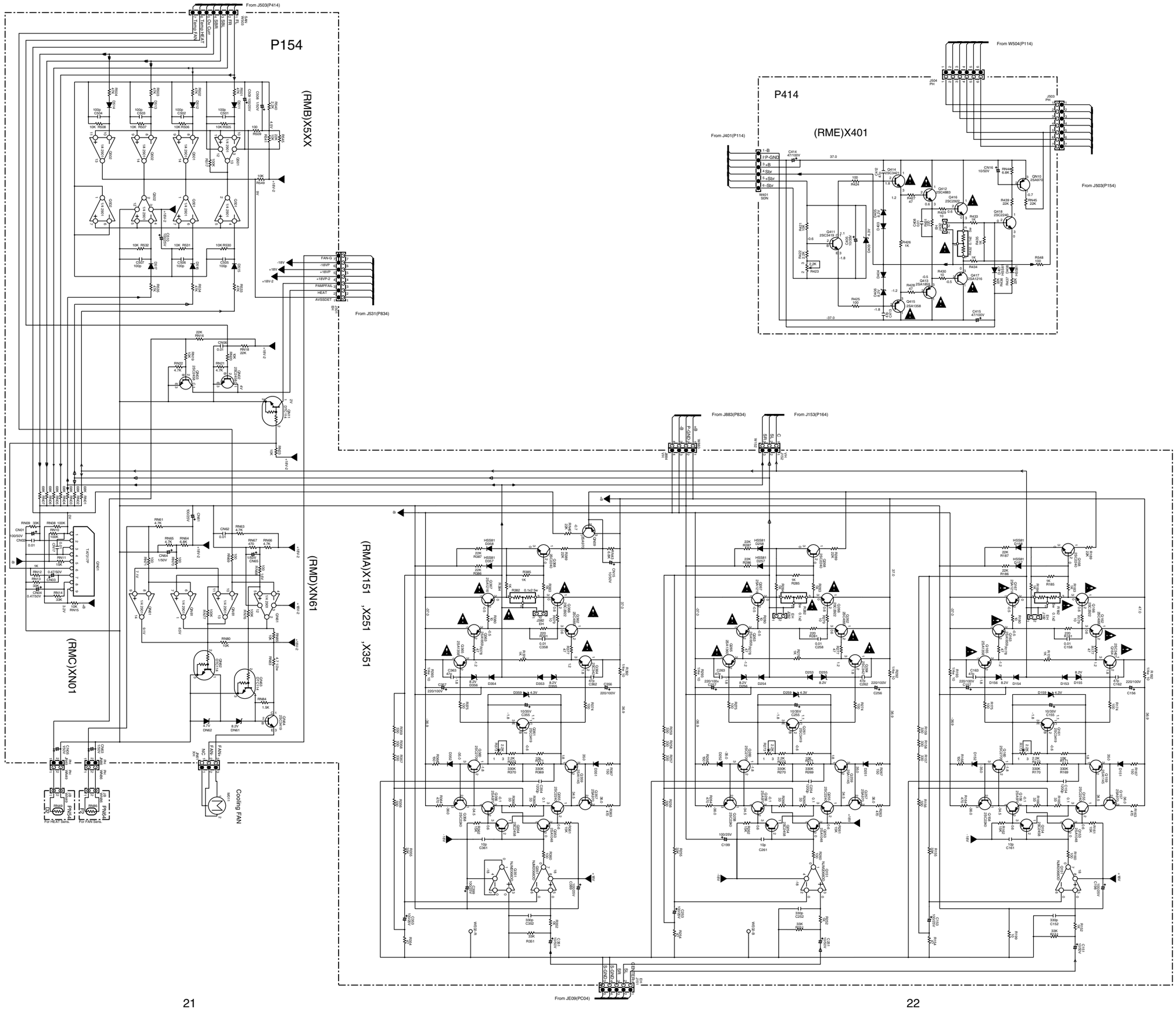
KEY MATRIX
I RED
STANDBY LED
IR SENSOR
KEY
RC-6 Status
RC-6 Status
RC-5 IN
VR ENC
MOD ENC
GYRO
OSD/FL Cont
for LED
for IR
STANDBY
STANDBY
ROTARY ENCODER (MASTER VR)
ROTARY ENCODER (SURR MODE)
GYRO CONTROL
FL DRIVER NJU3430
FL DISPLAY
D-AUX
To DSP
AUX Y/C
To VIDEO(Y/C)
AUX CVBS
To VIDEO(CVBS)
AUX L/R
To Function

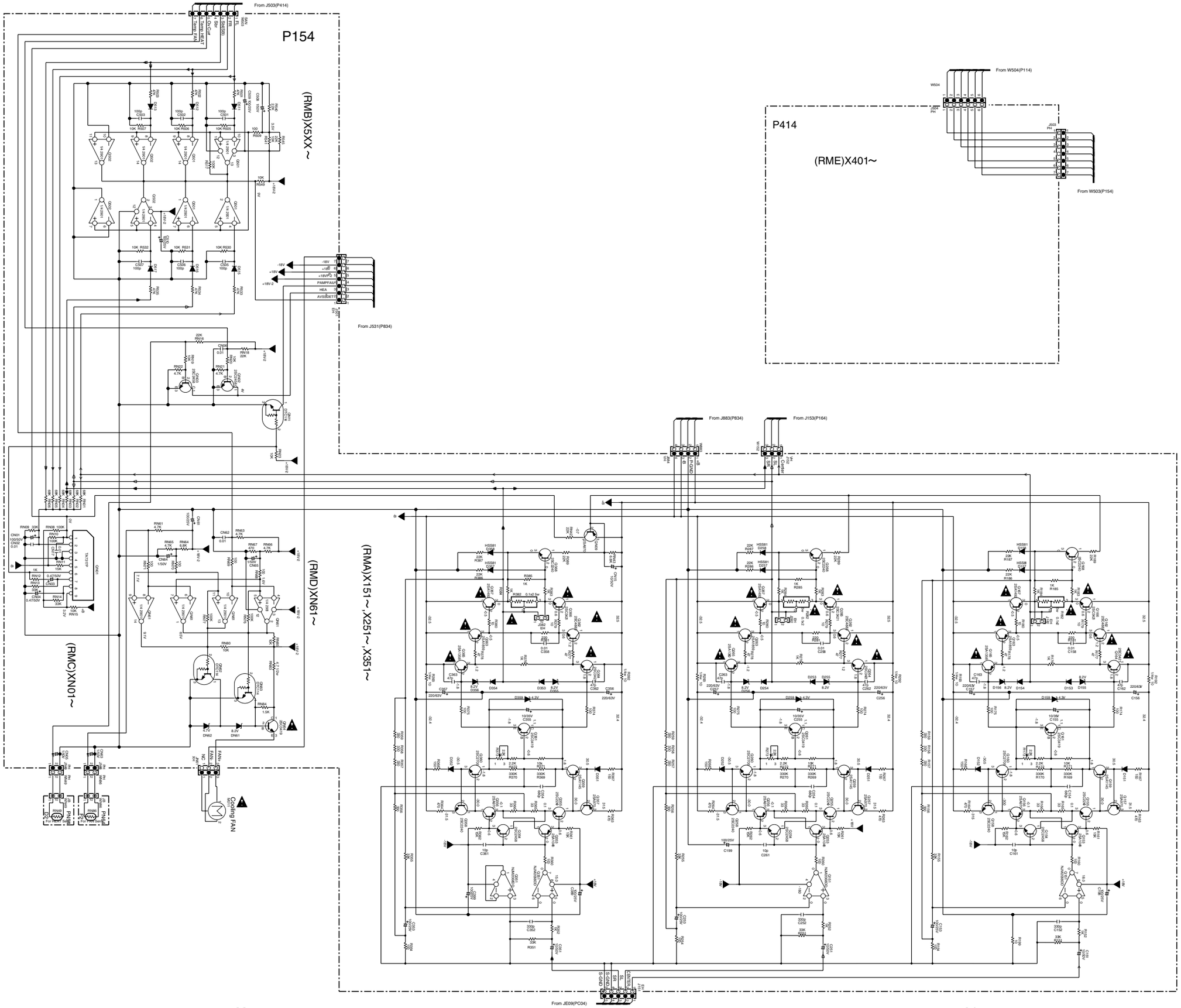
4. SCHEMATIC DIAGRAM

SR9200 / PS9200

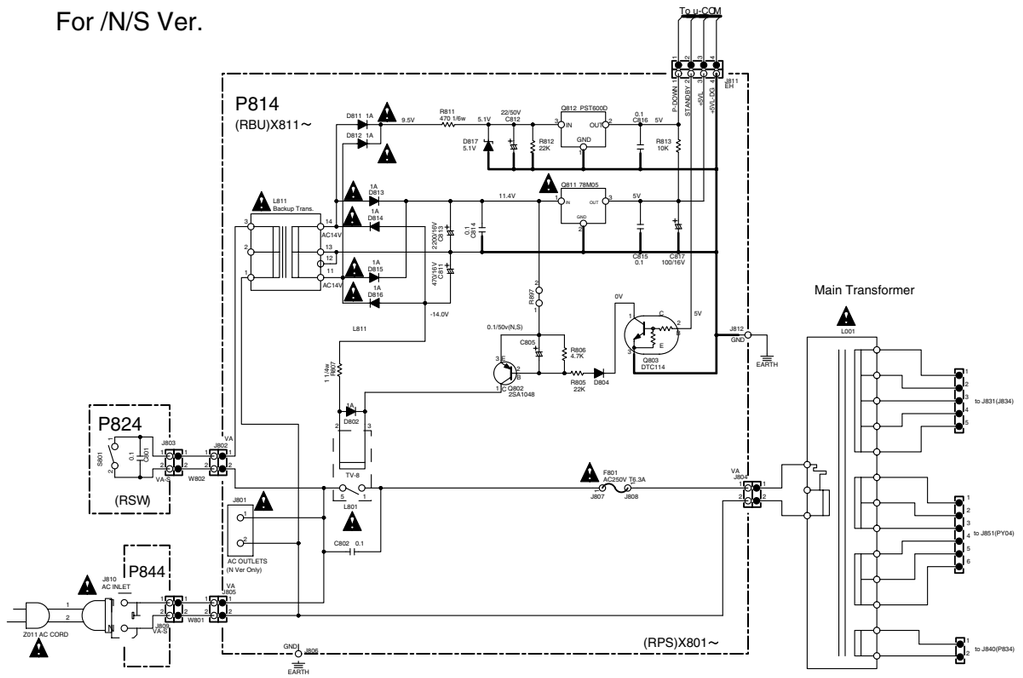



P114
PP94
HEAD PHONES Out
(RHP)XP91~
SPEAKER OUTPUTS
P124
P164
SPEAKER OUTPUTS
Form Port Expander
HP DET
HP ON
3SPKR
SB SPKR
M-SPKR
From J152(P154)
From J884(P154)
From JE08(PC04)
To Display
From Main Transfome
Power Supply
P834
(RPS)X831~
To & From u-Com
From J504(P414)
From J501(P154)
(RMA)X101~,X201~,X301~

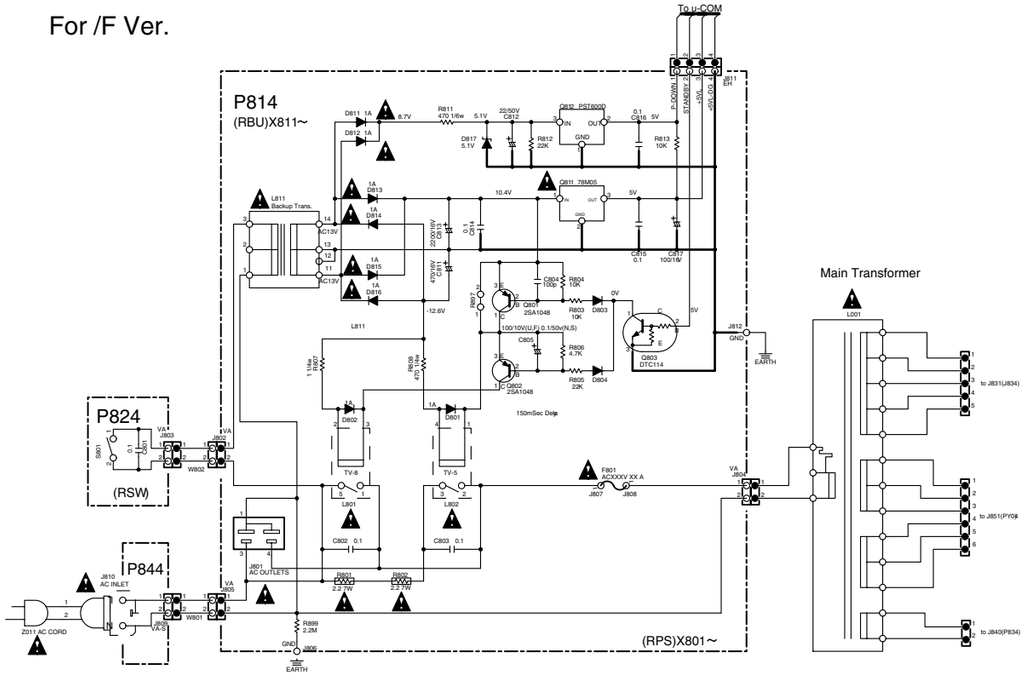

P154
(RMB)X5XX
From J503(P414)
From J531(P834)
P414
(RME)X401
From W504(P114)
From J401(P114)
From J503(P154)
From J883(P834)
From J153(P164)
(RMA)X151 ,X251 ,X351
(RMC)XN01
(RMD)XN61
Cooling FAN
From JE09(PC04)


P154
(RMB)X5XX~
From J503(P414)
From J531(P834)
P414
(RME)X401~
From W504(P114)
From W503(P154)
From J883(P834)
From J153(P164)
(RMA)X151~,X251~,X351~
(RMD)XN61~
(RMC)XN01~
Cooling FAN
From JE09(PC04)

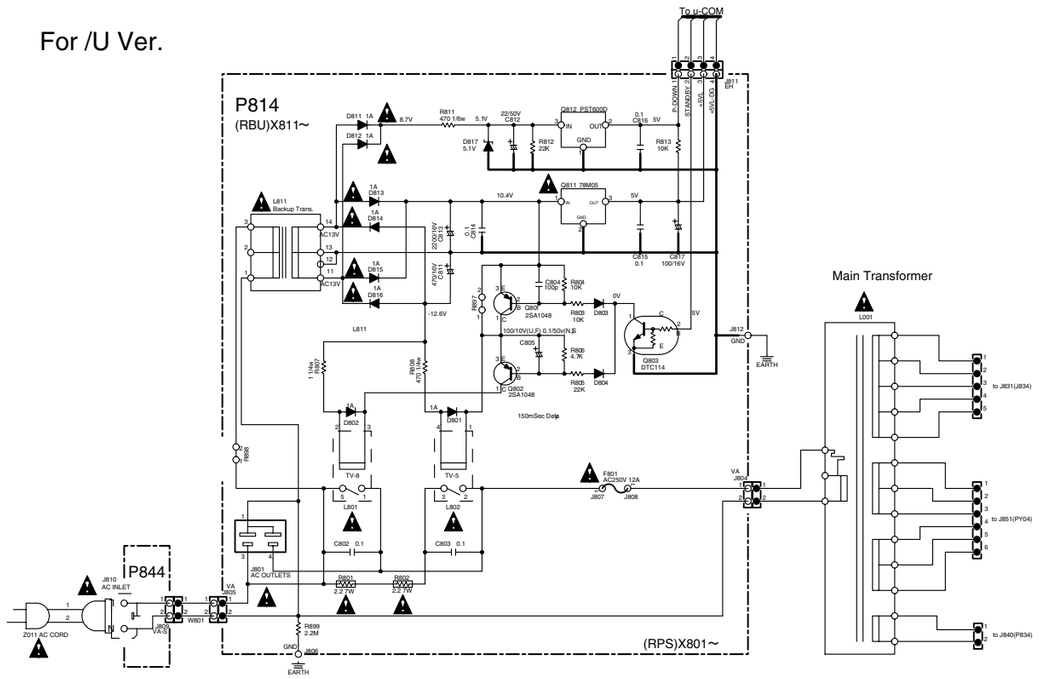
For /N/S Ver.



For /F Ver.

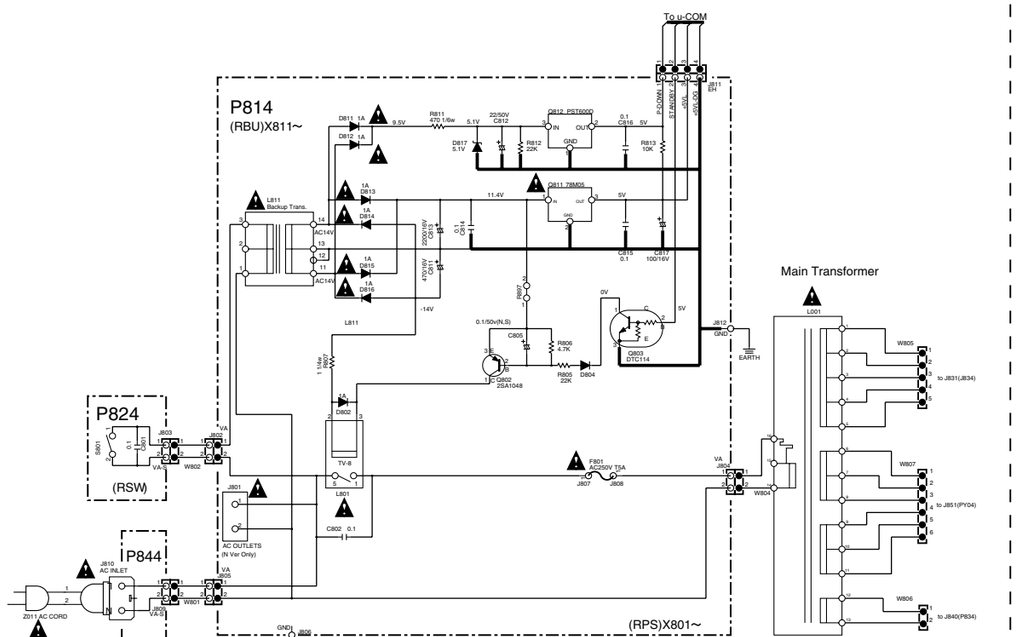


For /U Ver.

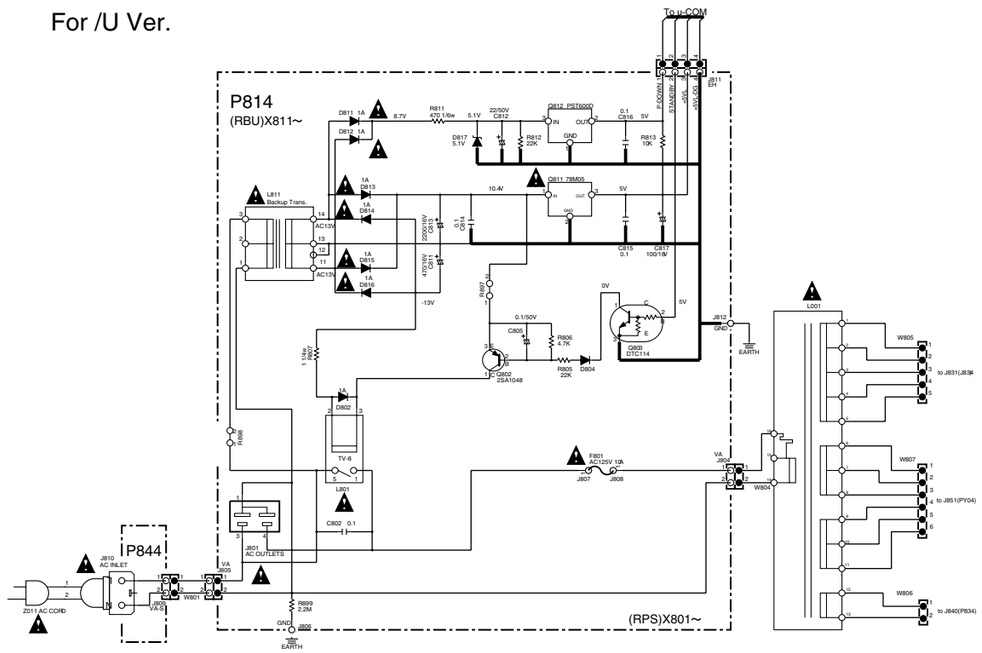


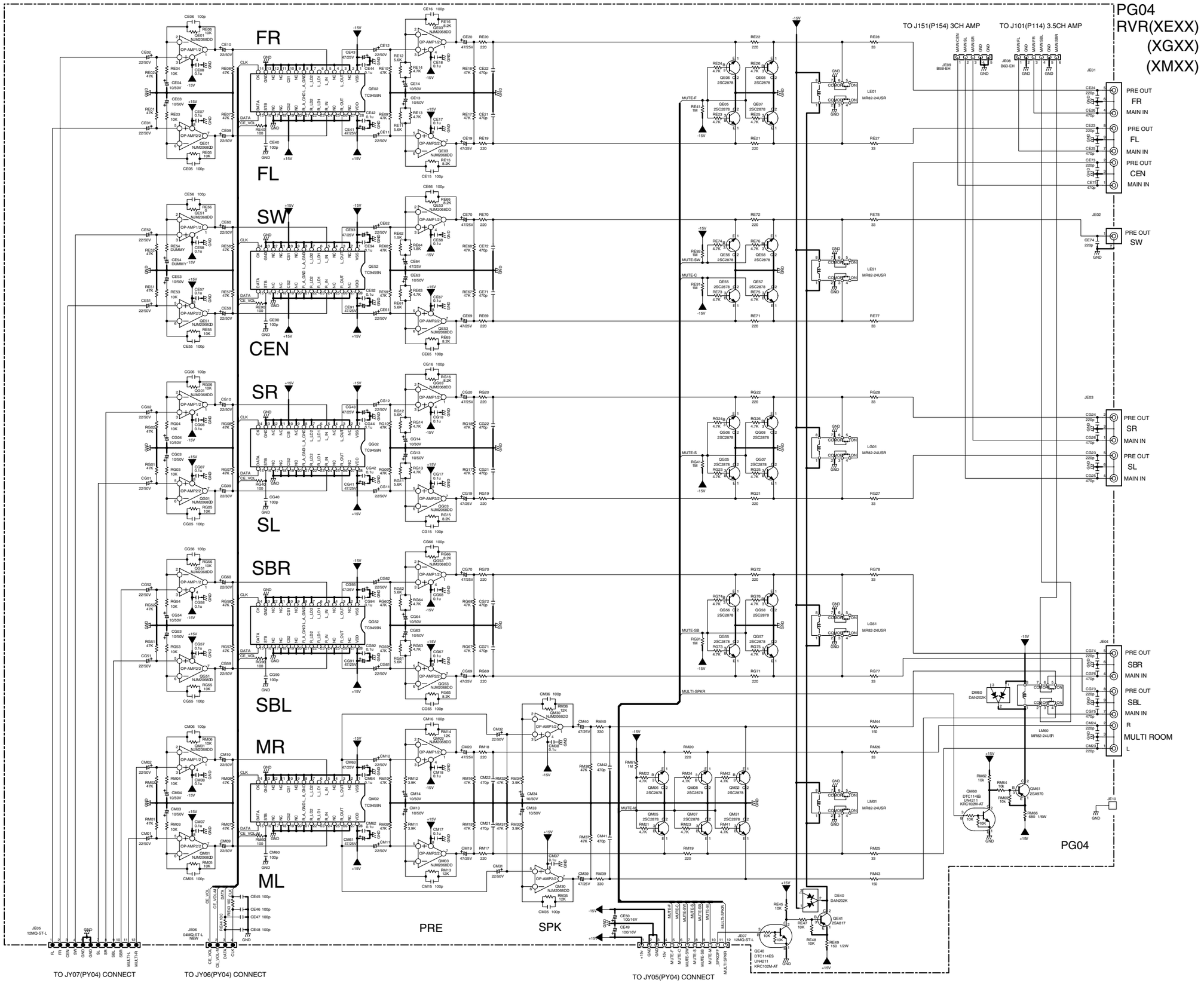
SR8200

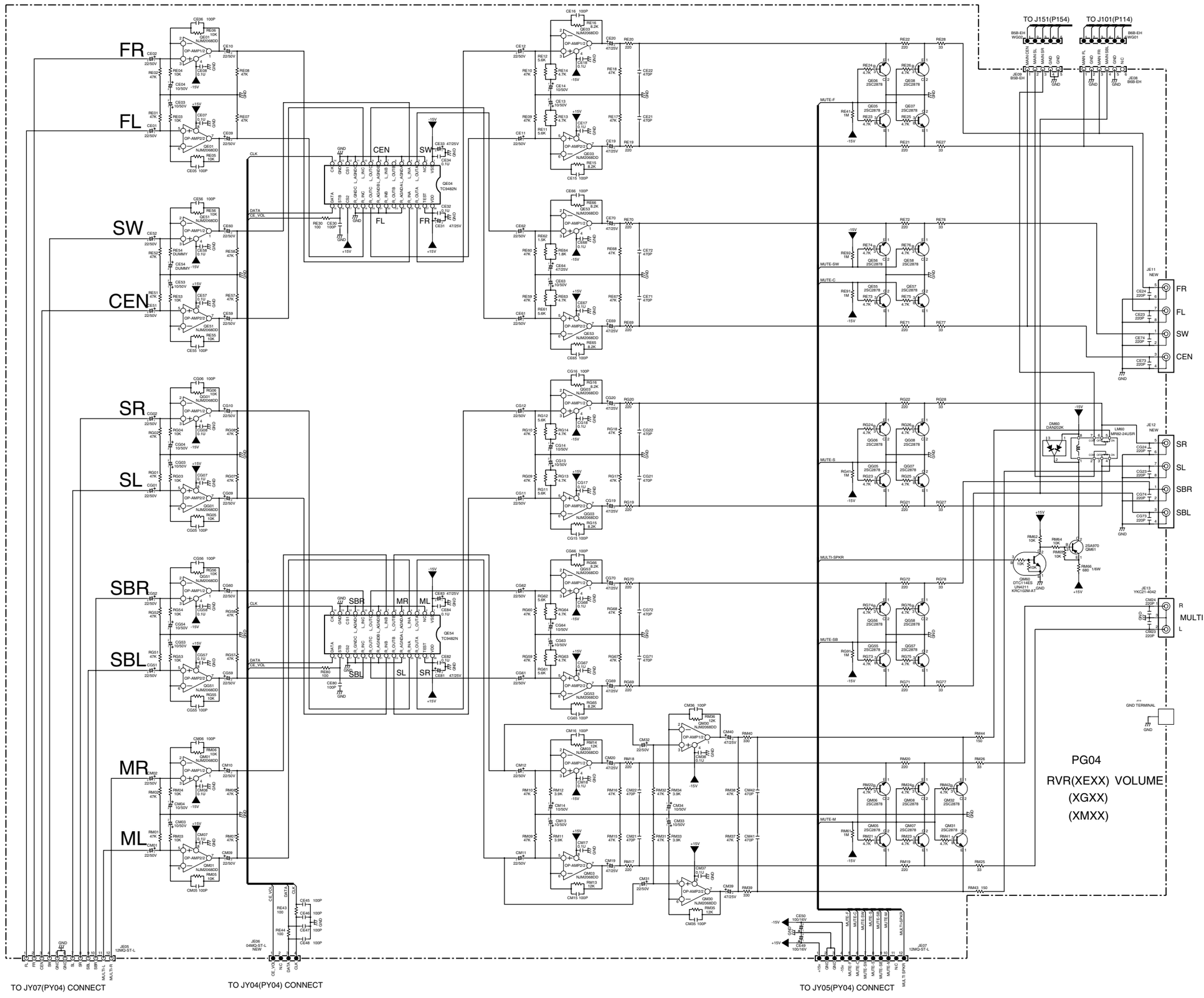
For /N/S Ver.

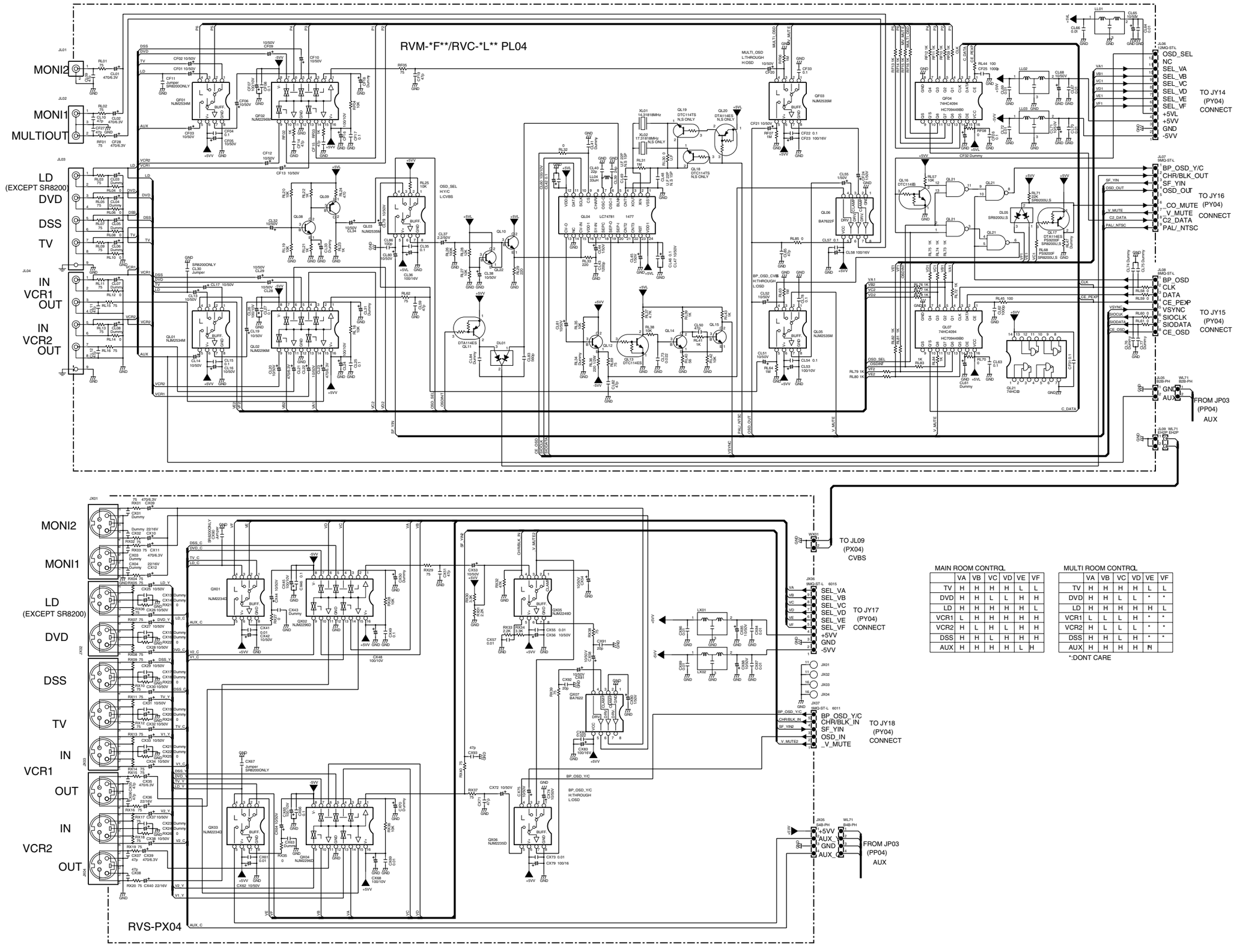


For /U Ver.




PG04
RVR(XEXX)
(XGXX)
(XMXX)
TO J151(P154) 3CH AMP
TO J101(P114) 3.5CH AMP
FR
FL
SW
CEN
SR
SL
SBR
SBL
MR
ML
PRE
SPK
PRE OUT FR MAIN IN
PRE OUT FL MAIN IN
PRE OUT CEN MAIN IN
PRE OUT SW
PRE OUT SR MAIN IN
PRE OUT SL MAIN IN
PRE OUT SBR MAIN IN
PRE OUT SBL MAIN IN
MULTI ROOM L
MUTE-F
MUTE-SW
MUTE-C
MUTE-S
MUTE-SB
MUTE-M
MULTI-SPKR
TO JY07(PY04) CONNECT
TO JY06(PY04) CONNECT
TO JY05(PY04) CONNECT
PG04


FR
FL
SW
CEN
SR
SL
SBR
SBL
MR
ML
CEN
SW
SBR
MR
ML
SL
SR
FL
FR
CLK
DATA
CE_VOL
TO J151(P154)
TO J101(P114)
JE11 NEW
JE12 NEW
JE13 YKC21-4042
JE08 B6B-EH
JE09 B5B-EH
JE07 12MO-ST-L
JE06 04MO-ST-L NEW
JE05 12MO-ST-L
MUTE-F
MUTE-C
MUTE-SW
MUTE-S
MUTE-SB
MUTE-M
MULTI-SPKR
MULTI ROOM
R
L
GND TERMINAL
PG04
RVR(XEXX) VOLUME
(XGXX)
(XMXX)
TO JY07(PY04) CONNECT
TO JY04(PY04) CONNECT
TO JY05(PY04) CONNECT



MAIN ROOM CONTROL

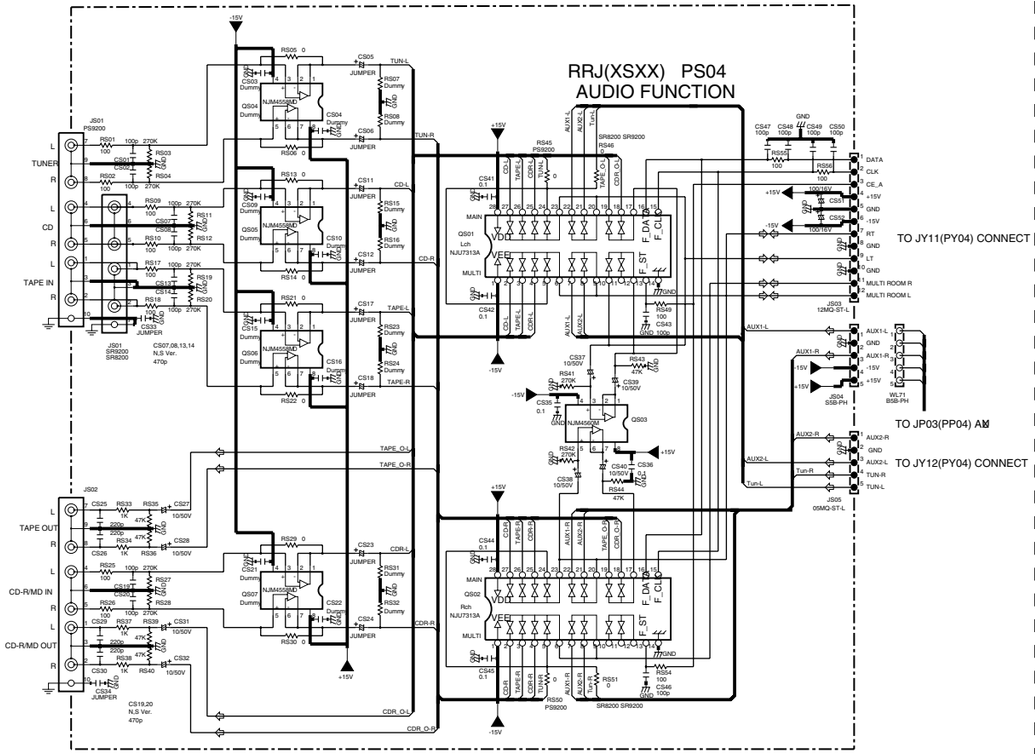
	VA	VB	VC	VD	VE	VF
TV	H	H	H	H	L	L
DVD	H	H	L	L	H	H
LD	H	H	H	H	H	L
VCR1	L	H	H	H	H	H
VCR2	H	L	H	L	H	H
DSS	H	H	L	H	H	H
AUX	H	H	H	H	L	H

MULTI ROOM CONTROL

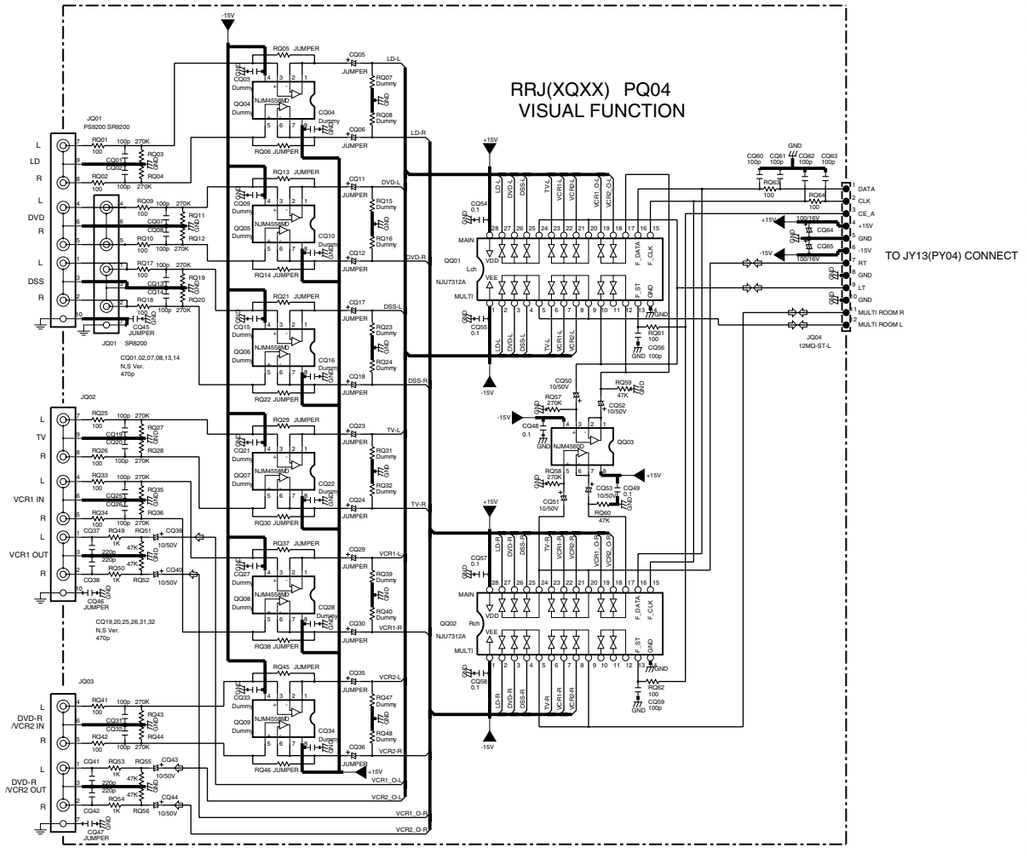
	VA	VB	VC	VD	VE	VF
TV	H	H	H	H	L	L
DVD	H	H	L	L	*	*
LD	H	H	H	H	H	L
VCR1	L	L	L	H	*	*
VCR2	H	L	L	L	*	*
DSS	H	H	L	H	*	*
AUX	H	H	H	H	H	

*:DONT CARE

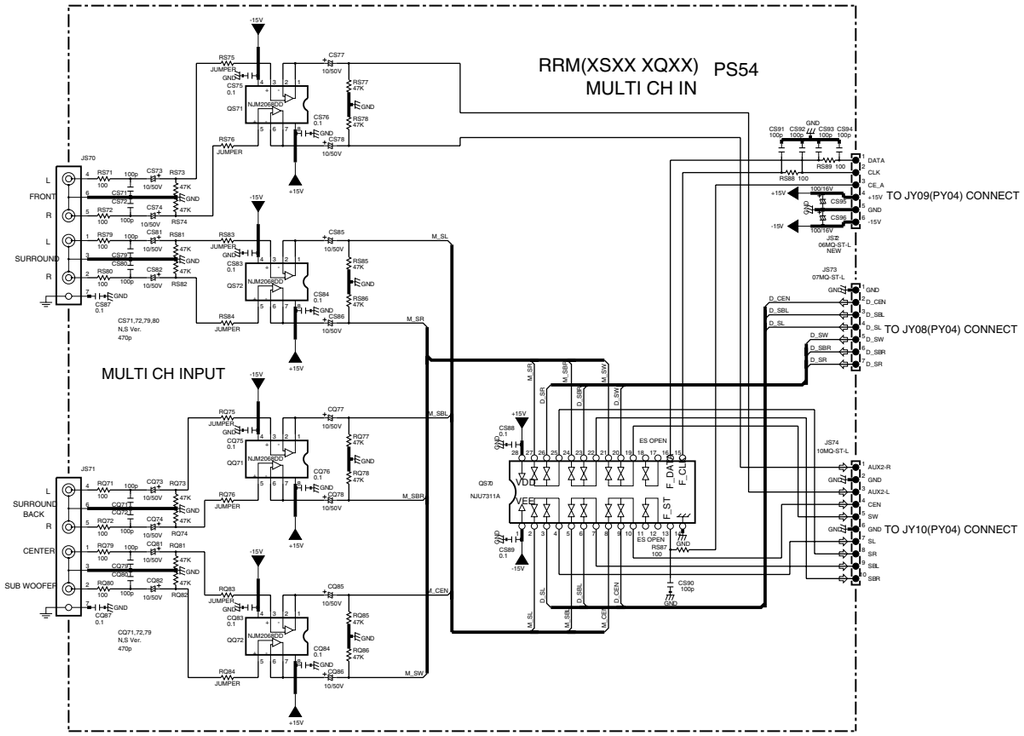
RRJ(XSXX) PS04
AUDIO FUNCTION



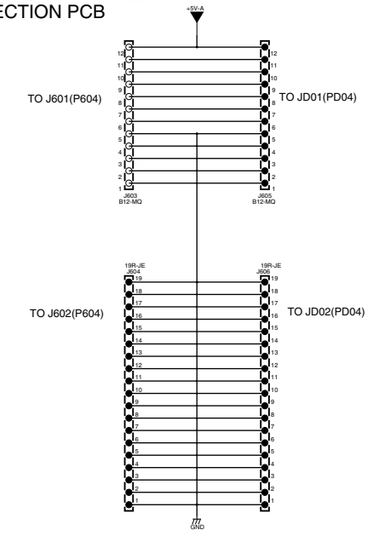
RRJ(XQXX) PQ04
VISUAL FUNCTION

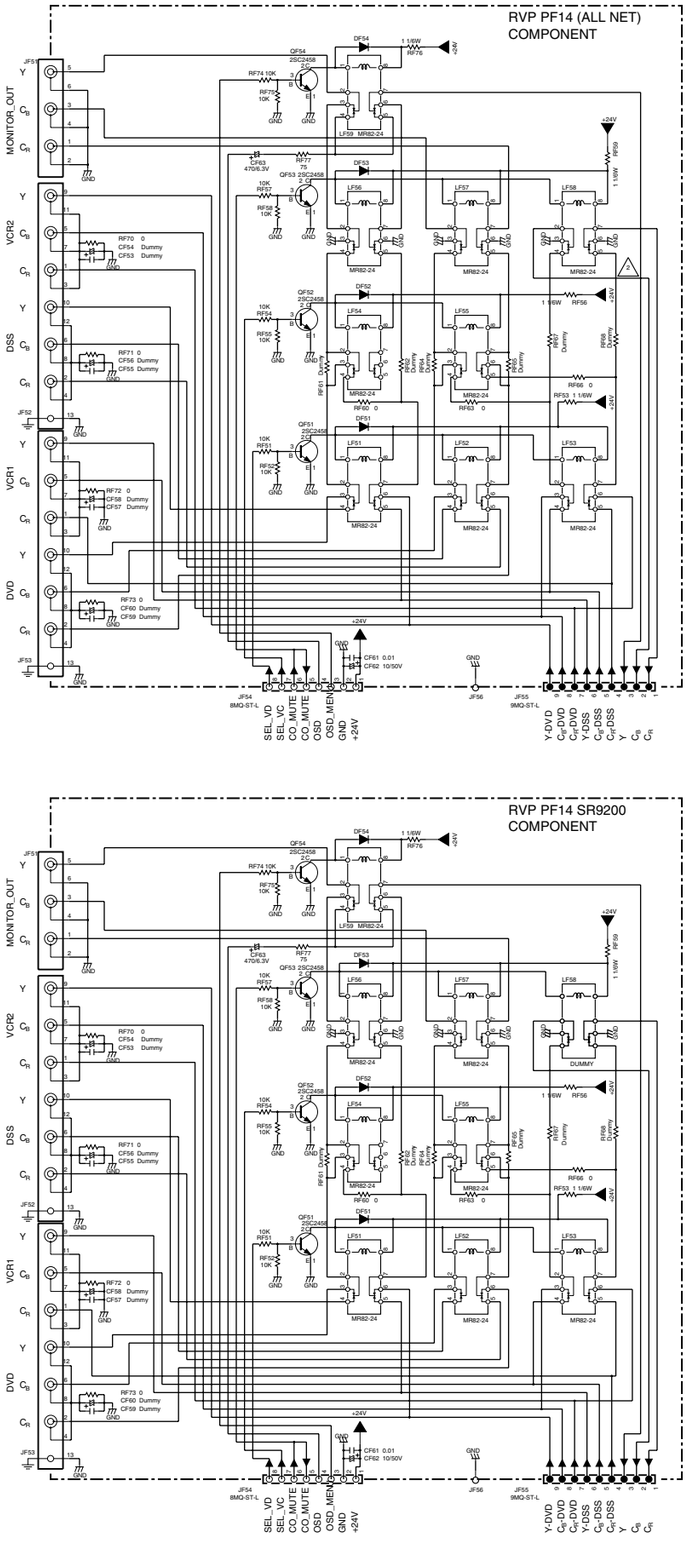


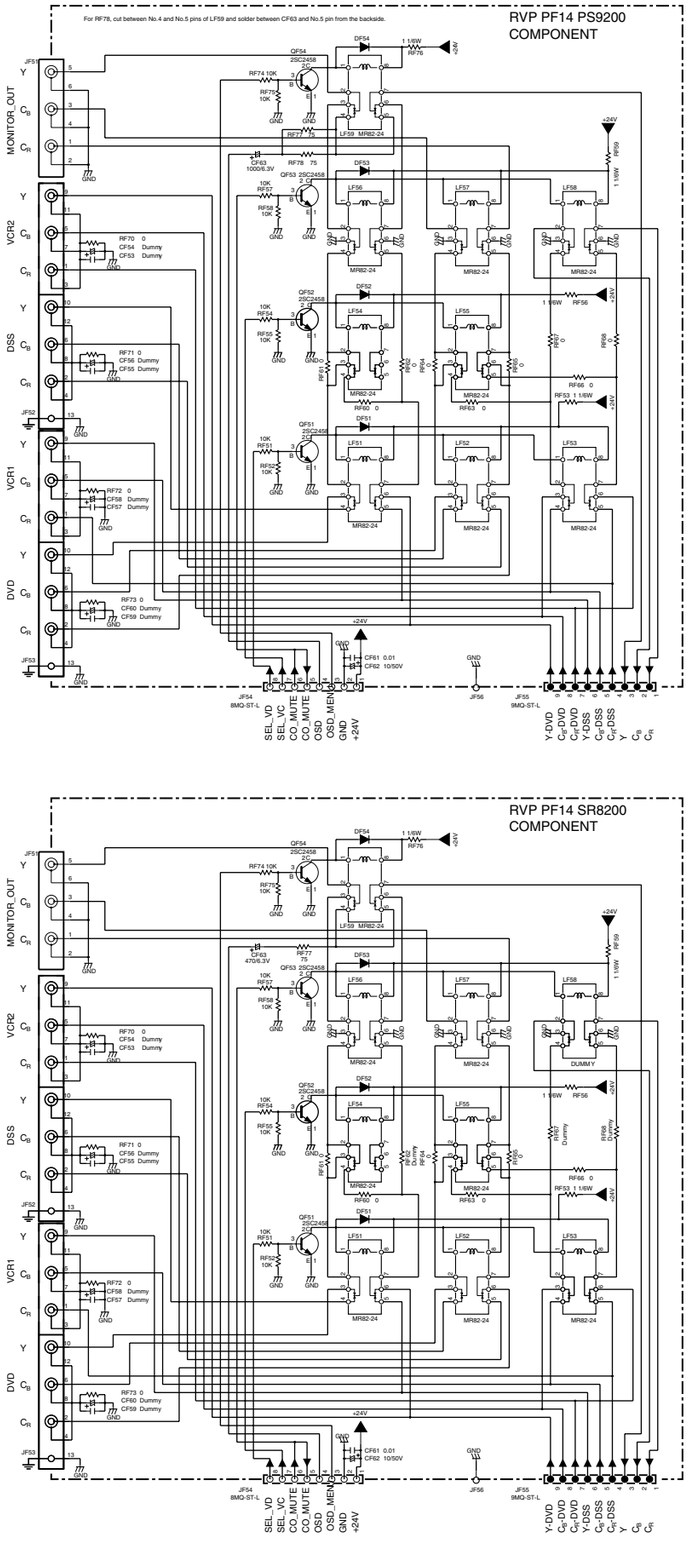
RRM(XSXX XQXX) PS54
MULTI CH IN

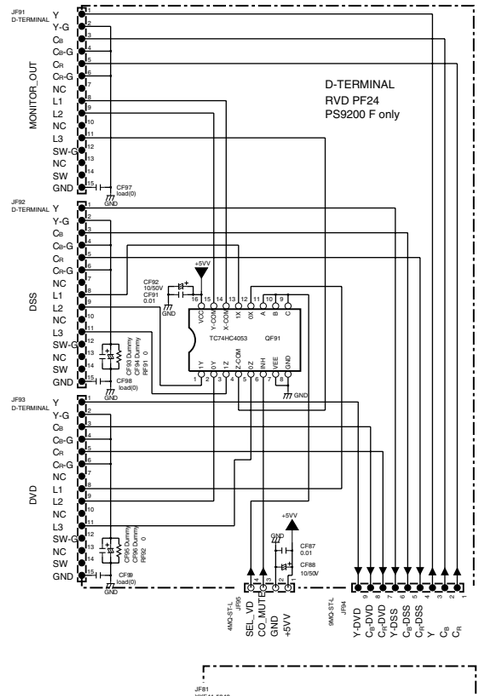


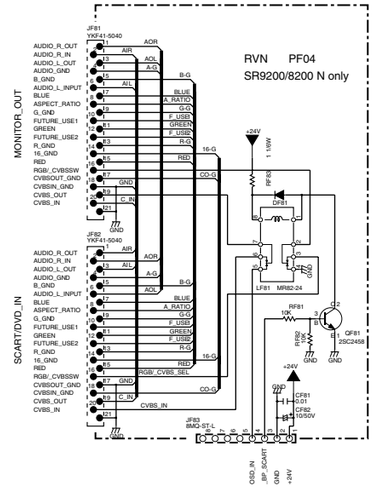
RDP(X6XX) CONNECTION PCB P654











COMPONENT CONTROL

	VC	VD
DVD	L	L
VCR1	H	H
VCR2	H	L
DSS	L	H

RLC(XCXX) PC04

FRONT DISPLAY

VC01 HQ31601410 16-BT-92GNK

DIGITAL

DVD :THX SUR.EX

MULTI
SLEEP
M-SPKR

L C R
LFE
SL S SR

TO J838(P834) SUPPLY

TO JU04(P604) U-COM

RLC(XC9X)

PC94 GYRO (SR9200 ONLY)

RLC(XC8X) PC84

VOL ENCODER

RLC(XC6X)

POWER(U)

U ONLY

PC64 STANDBY

TACT NAME
1.SR920
2.PS9200
3.SR820

RLC(XC7X)

PC74 TACT UP/DOWN

PS9200 SR8200 ONLY
(RC70~RC74)

TO JA07(PD04) DAC

TO JX05(PX54) S-VIDEO

TO JL05(PL04) CVBS

TO JS04(PS04) AUDIO FUNC

RLD(XPXX) PP04 AUX

PY04
RCN-*Y**/RVR-*M,W**/RTU-*T**
RTR-*9**/RPS-*8**

µ-Com/DSP PCB

AD/DA PCB

Pre out/Main in PCB

Multi Ch Input PCB

Audio input(1) PCB

Audio input(2) PCB

CVBS input PCB

S-Video input PCB

Comp-Video input PCB

D Terminal Video PCB
(Only F Ver.[PS9209])

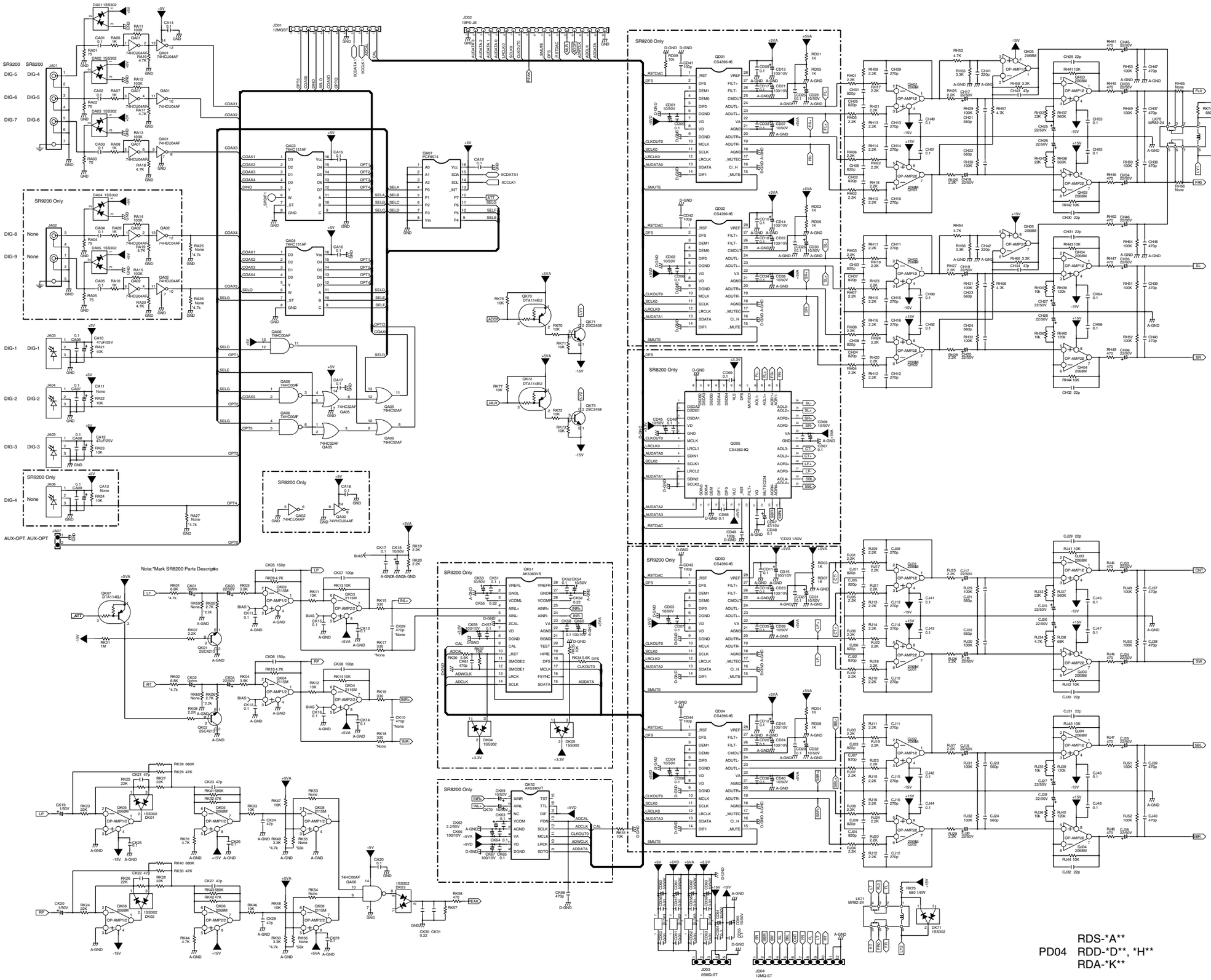
TUNER MODULE QT01

For J811 P804

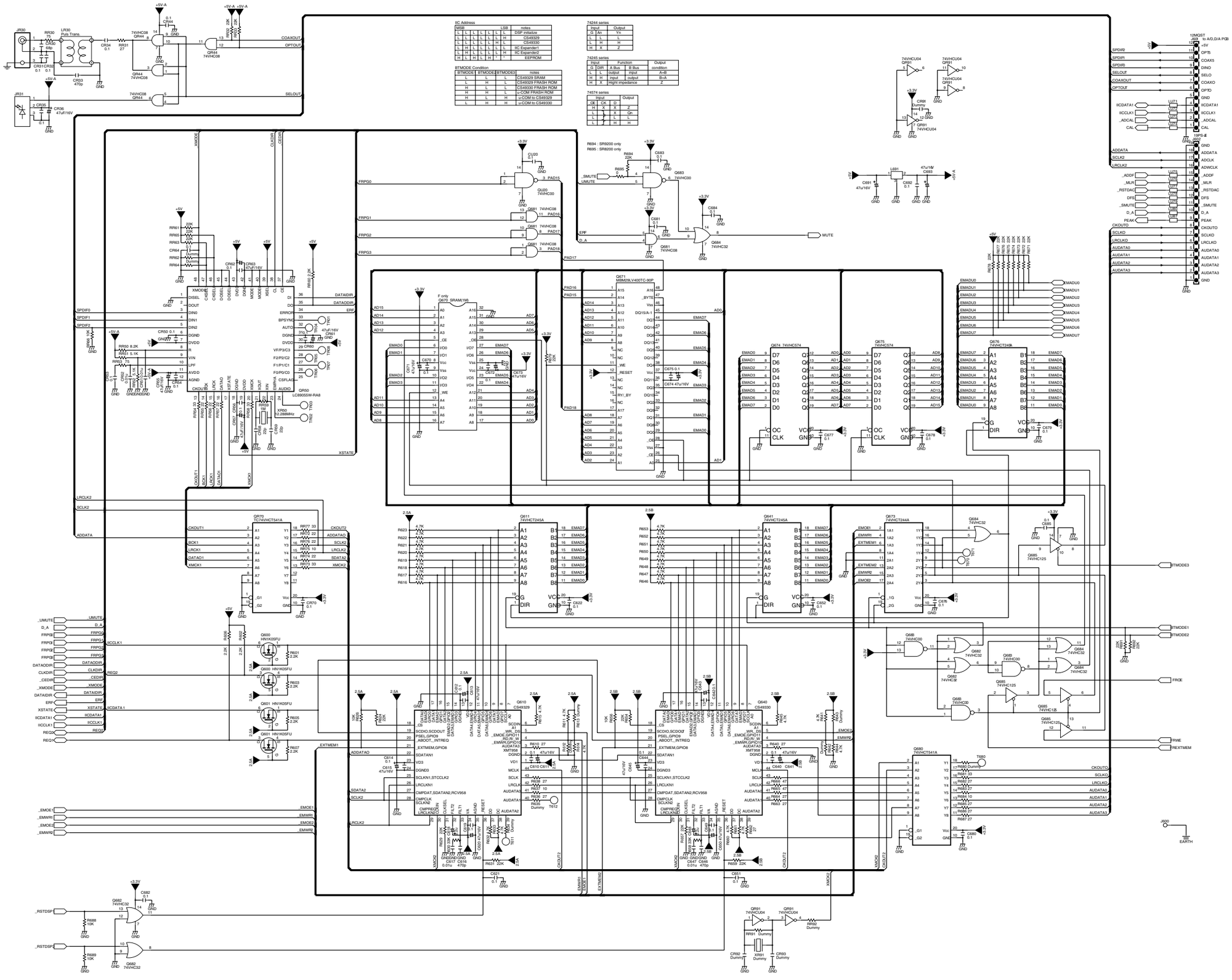
For JN02 P124

From MAIN TRANSF

N.S Only
U: C951,C952,R951,R952 = Jumper


SR9200 SR8200
DIG-5 DIG-4
DIG-6 DIG-5
DIG-7 DIG-6
DIG-8 None
DIG-9 None
DIG-1 DIG-1
DIG-2 DIG-2
DIG-3 DIG-3
DIG-4 None
AUX-OPT AUX-OPT
SR9200 Only
SR8200 Only
Note:"Mark SR8200 Parts Description
JD01 12MQST
JD02 19PS-JE
JD03 05MQ-ST
JD04 12MQ-ST
QD01 CS4396-KS
QD02 CS4396-KS
QD03 CS4396-KS
QD04 CS4396-KS
QD05 CS4382-KQ
QK01 AK5383VS
QK02 AK5389VT
QA07 PCF8574
PD04
RDS-*A**
RDD-*D**, *H**
RDA-*K**

P604 1/2


IIC Address
MSB
LSB
notes
DSP initialize
CS49329
CS49330
IIC Expander1
IIC Expander2
EEPROM
BTMODE Condition
BTMODE1
BTMODE2
BTMODE3
CS49329 SRAM
CS49329 FRASH ROM
CS49330 FRASH ROM
u-COM FRASH ROM
u-COM to CS49329
u-COM to CS49330
74244 series
74245 series
74574 series
Function
Output condition
Hiight impedance
R694 : SR9200 only
R695 : SR8200 only
12MOST to A/D,D/A PCB
19PS-E
COAXOUT
OPTOUT
SELOUT
MUTE
XMODE
CKOUT1
CKOUT2
XSTATE
EMAD0
EMAD1
EMAD2
EMAD3
EMAD4
EMAD5
EMAD6
EMAD7
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
XMADU0
XMADU1
XMADU2
XMADU3
XMADU4
XMADU5
XMADU6
XMADU7
EMADU0
EMADU1
EMADU2
EMADU3
EMADU4
EMADU5
EMADU6
EMADU7
F only
SRAM(1M)
Q671
M5M29LV400TC-90P
Q674 74VHCT574
Q675 74VHCT574
Q676 74VHCT245
Q677 74VHCT541A
Q680 74VHCT541A
Q611 74VHCT245A
Q641 74VHCT245A
Q673 74VHCT244A
CS49329
CS49330
XR50 12.288MHz
LCB9055W-RA8
XR91 Dummy
EARTH

P604 2/2

	343J				344J			
	U	N	S	F	UN	S	F	
RU09	1.8K	1.8K	no	-	-	-	-	4.7K
RU10	1K	1K	no	0	0	0	1.2K	
RU11	-	4.7K	1.8K	no	-	4.7K	1.8K	1K
RU12	0	1.2K	1K	no	0	1.2K	1K	1.2K

IIC Address								
MSB							LSB	notes
L	L	L	L	L	L	L	L	DSP Initialize
L	L	L	L	L	L	L	H	CS49329
L	L	L	L	L	H	L	L	CS49330
L	H	L	L	L	L	L	L	IIC Expander#
H	L	H	L	L	H	*	*	IIC Expander#
H	L	H	L	L	H	*	*	EEPROM