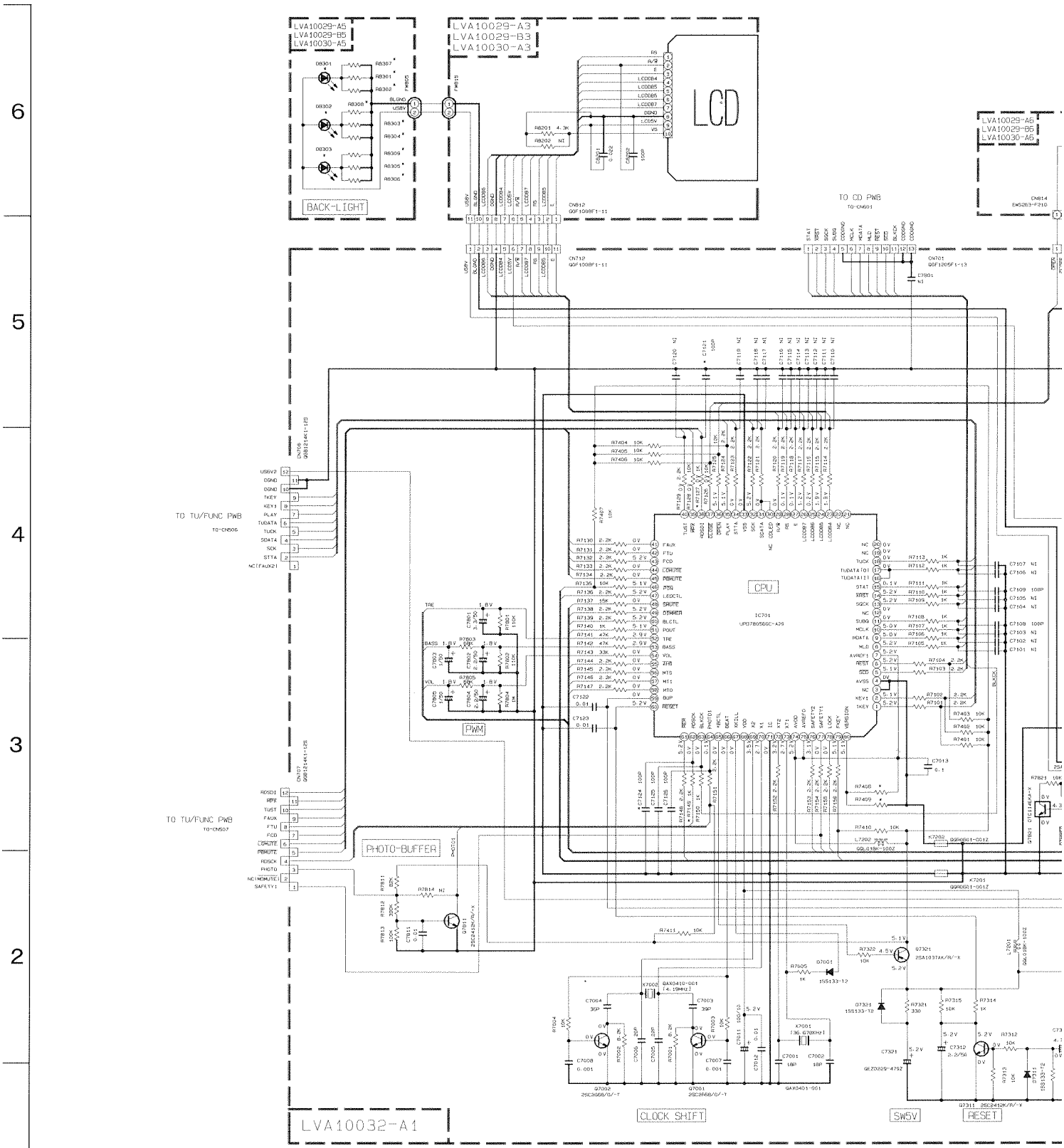
Standard Schematic Diagrams

■ Display Circuit for UX-V3/V5/V5R/FS-V5



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION ---- CD STOP MODE

2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM[Ω].
   ALL CAPACITANCE VALUES ARE IN μF[P=pF].
   ALL INDUCTANCE VALUES ARE IN μH[m=mH].
   ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE[μF]/RATED VOLTAGE [V].

* MARK

	UX-A1	UX-V3					FS-V5	UX-V5				UX-V5R	
	(D)	(U/US/UT/UB UF/UP)	(UX)	(UY)	(E/EN/B/EV A)	(EE)	(J)	(U/US/UT/UB UF)	(UX)	(UY)	(A)	(E/EN/B/EV)	(EE)
R7823	1K	1K	1K	1K	1K	1K	1.2K	1.2K	1.2K	1.2K	1.2K	1.2K	1.2K
R7824	NONE	NONE	NONE	NONE	NONE	NONE	1.2K	1.2K	1.2K	1.2K	1.2K	1.2K	1.2K
D8301.D8302 D8303	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	UMBER	UMBER	UMBER	UMBER	UMBER	UMBER	UMBER
R8301.R8303 R8305	470	470	470	470	470	470	820	820	820	820	820	820	820
R8302.R8304 R8306	470	470	470	470	470	470	820	820	820	820	820	820	820
R8307.R8308 R8309	NONE	NONE	NONE	NONE	NONE	NONE	1K	1K	1K	1K	1K	1K	1K
R7408	NONE	27K	82K	27K	15K	47K	56K	27K	82K	27K	15K	27K	15K
R7409	0	5.6K	27K	2.7K	20K	33K	27K	5.6K	27K	2.7K	20K	NONE	15K
R7127.R7149	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	USED	USED
C7121.C7124	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	USED	USED

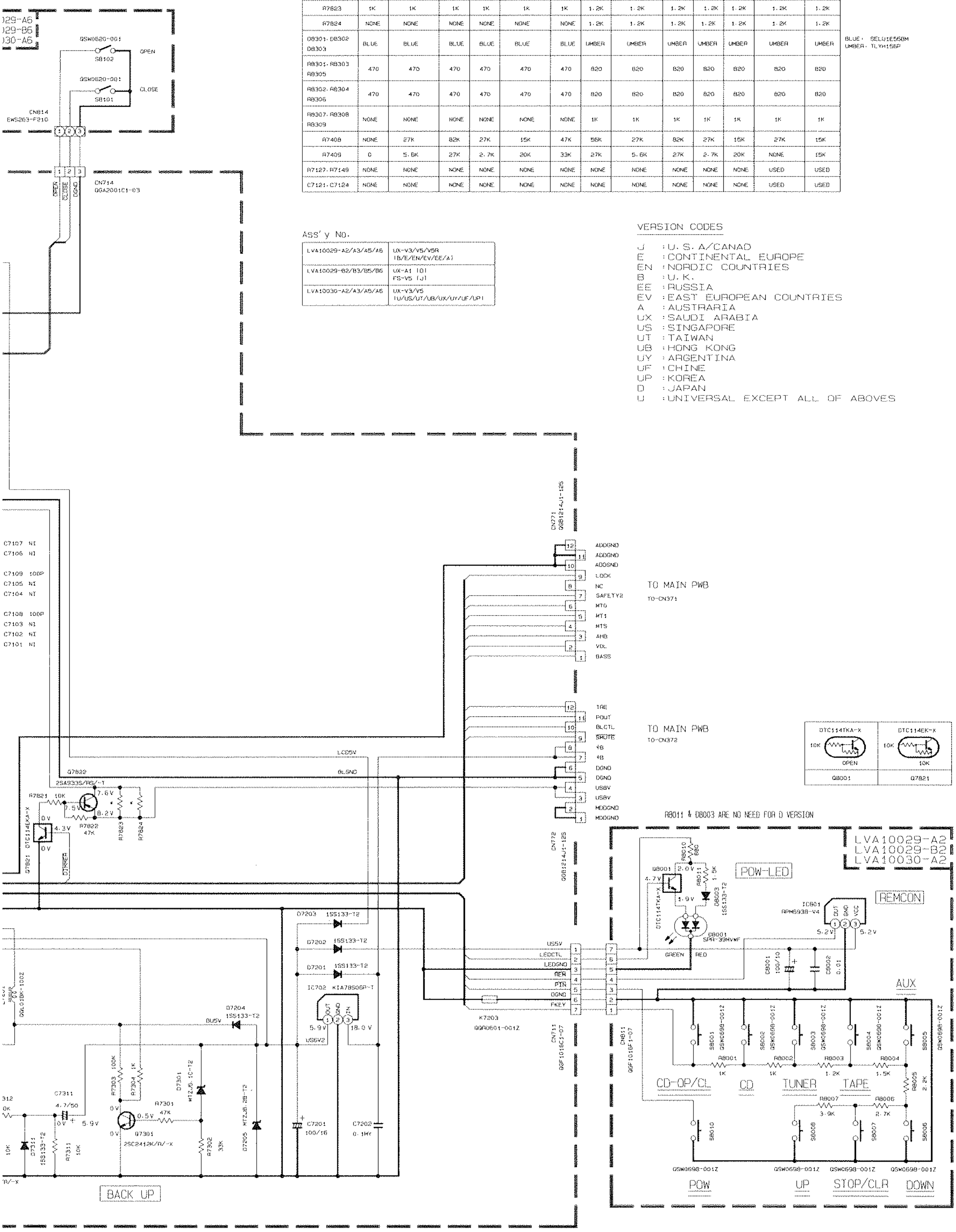
BLUE: SEL U1E56BM
UMBER: TLYH156P

ASS'y No.

LVA10029-A2/A3/A5/A6	UX-V3/V5/V5R (B/E/EN/EV/EE/A)
LVA10029-B2/B3/B5/B6	UX-A1 (D) FS-V5 (J)
LVA10030-A2/A3/A5/A6	UX-V3/V5 (U/US/UT/UB/UX/UY/UF/UP)

VERSION CODES

J : U.S.A/CANAD
E : CONTINENTAL EUROPE
EN : NORDIC COUNTRIES
B : U.K.
EE : RUSSIA
EV : EAST EUROPEAN COUNTRIES
A : AUSTRARIA
UX : SAUDI ARABIA
US : SINGAPORE
UT : TAIWAN
UB : HONG KONG
UY : ARGENTINA
UF : CHINE
UP : KOREA
D : JAPAN
U : UNIVERSAL EXCEPT ALL OF ABOVES

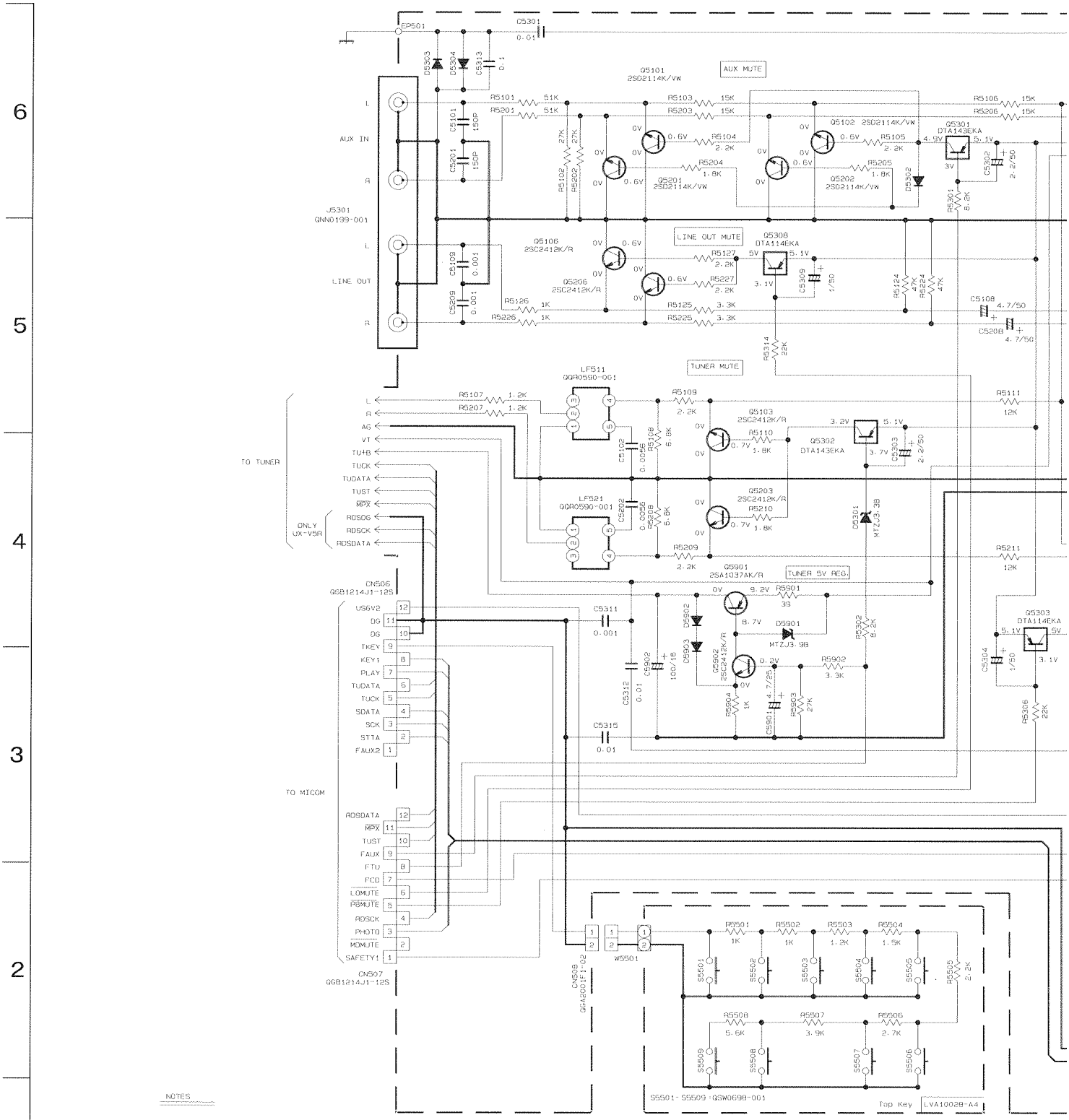


TAGE (V).

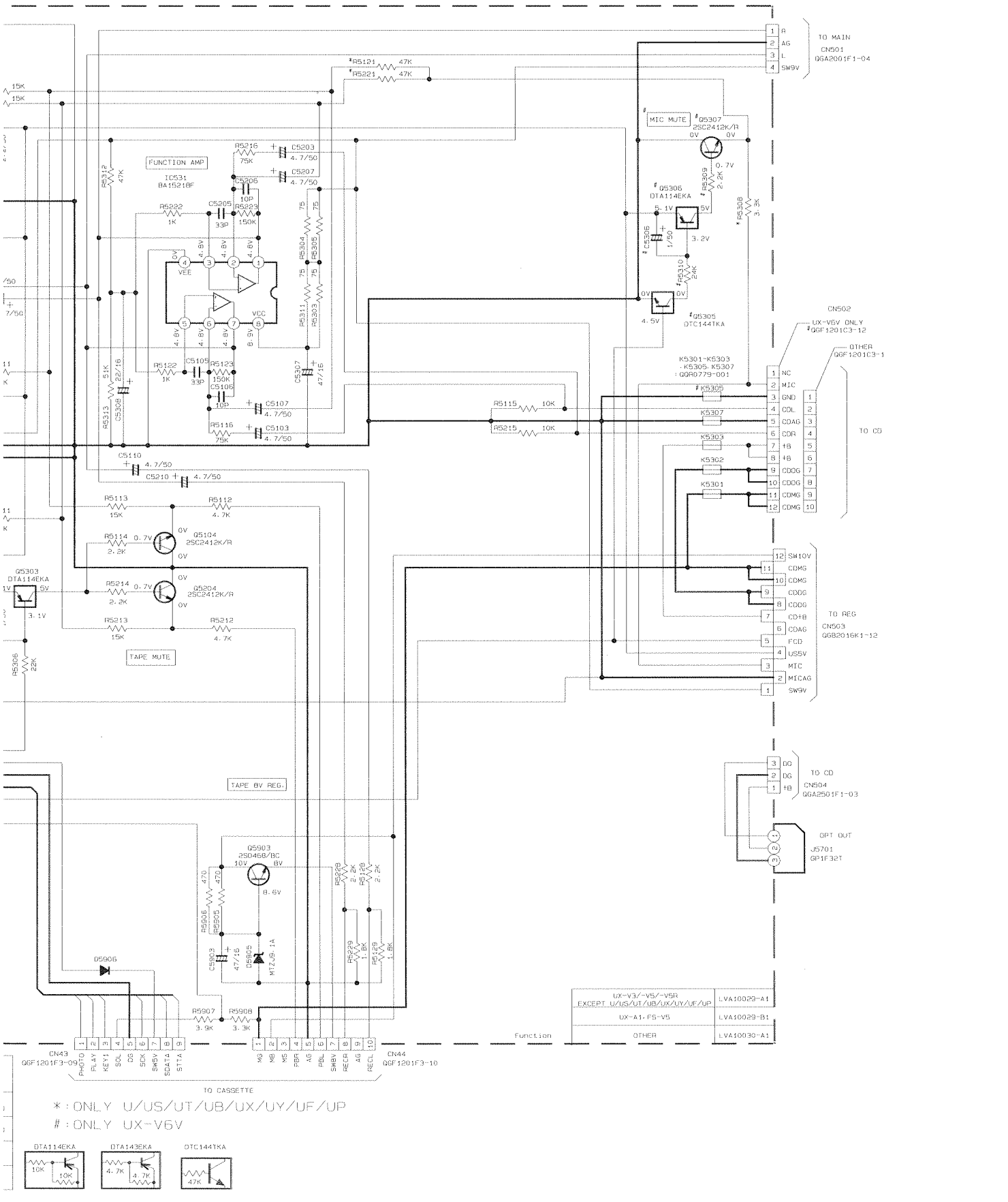
THIS DRAWING HAS BEEN P

E	F	G	H	I

■ Analog input Circuit for UX-V3/V5/V5R/FS-V5

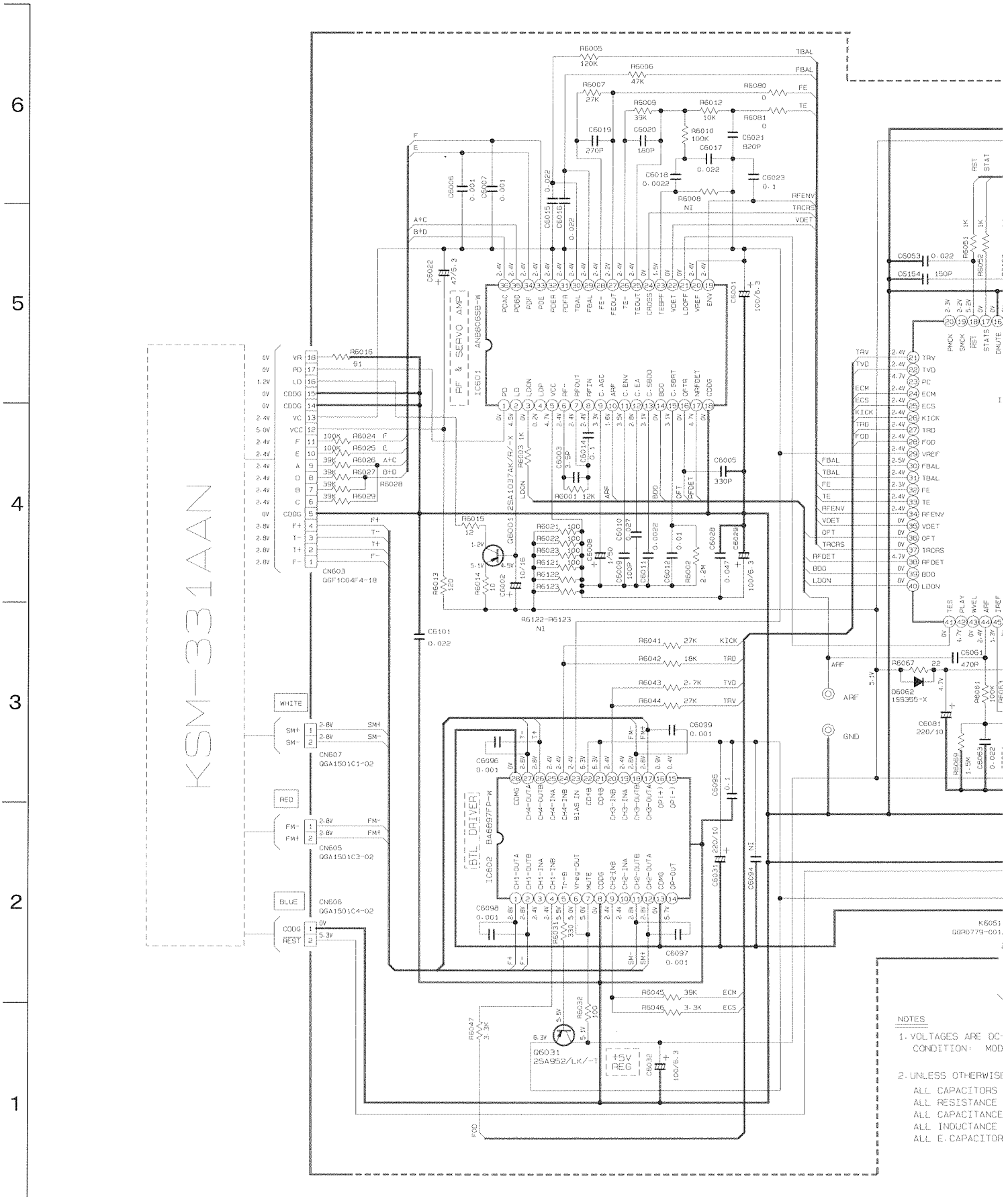


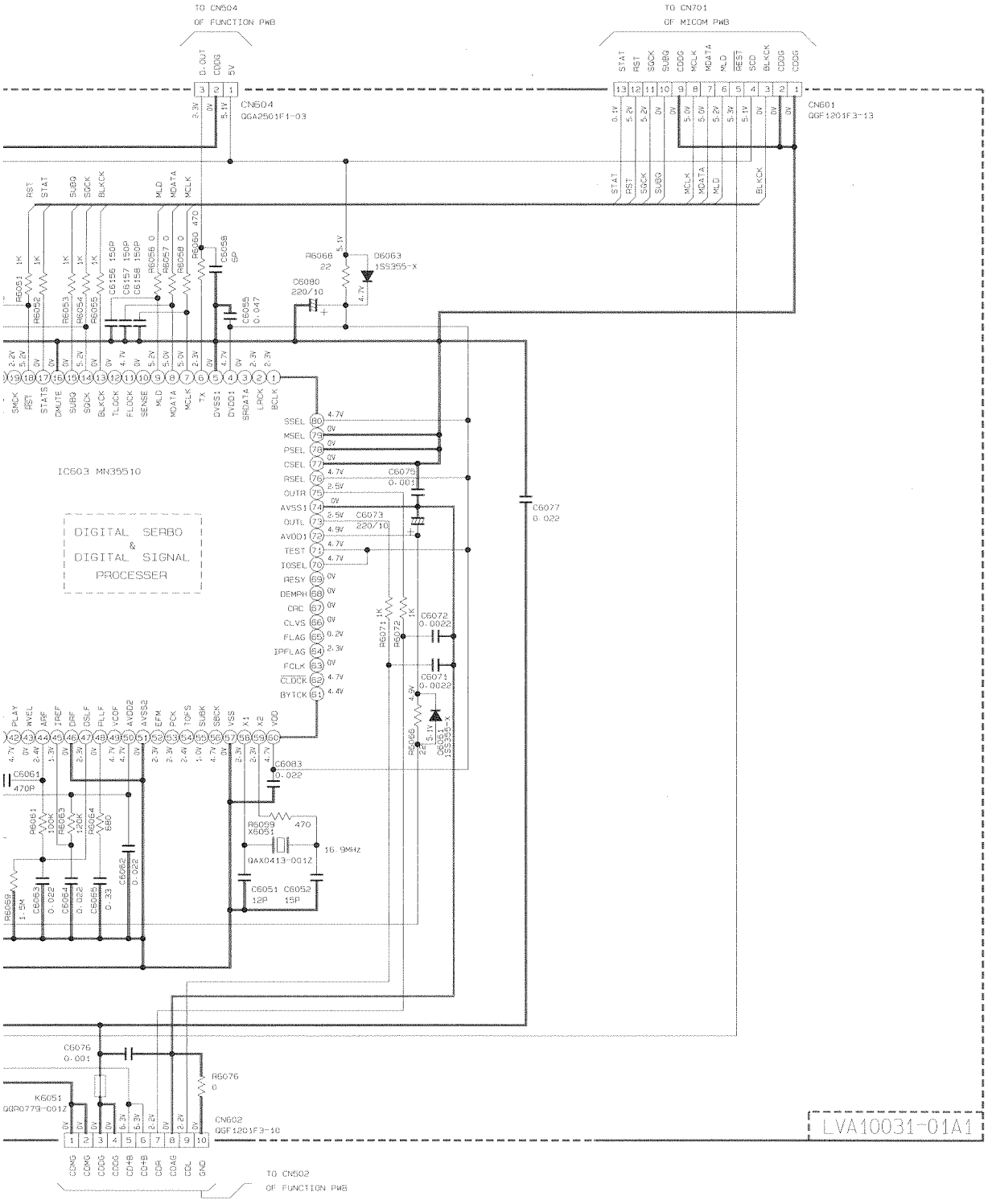
UX-V3/UX-V5
UX-V5R/FS-V5



E | F | G | H | I

■ CD Servo Circuit

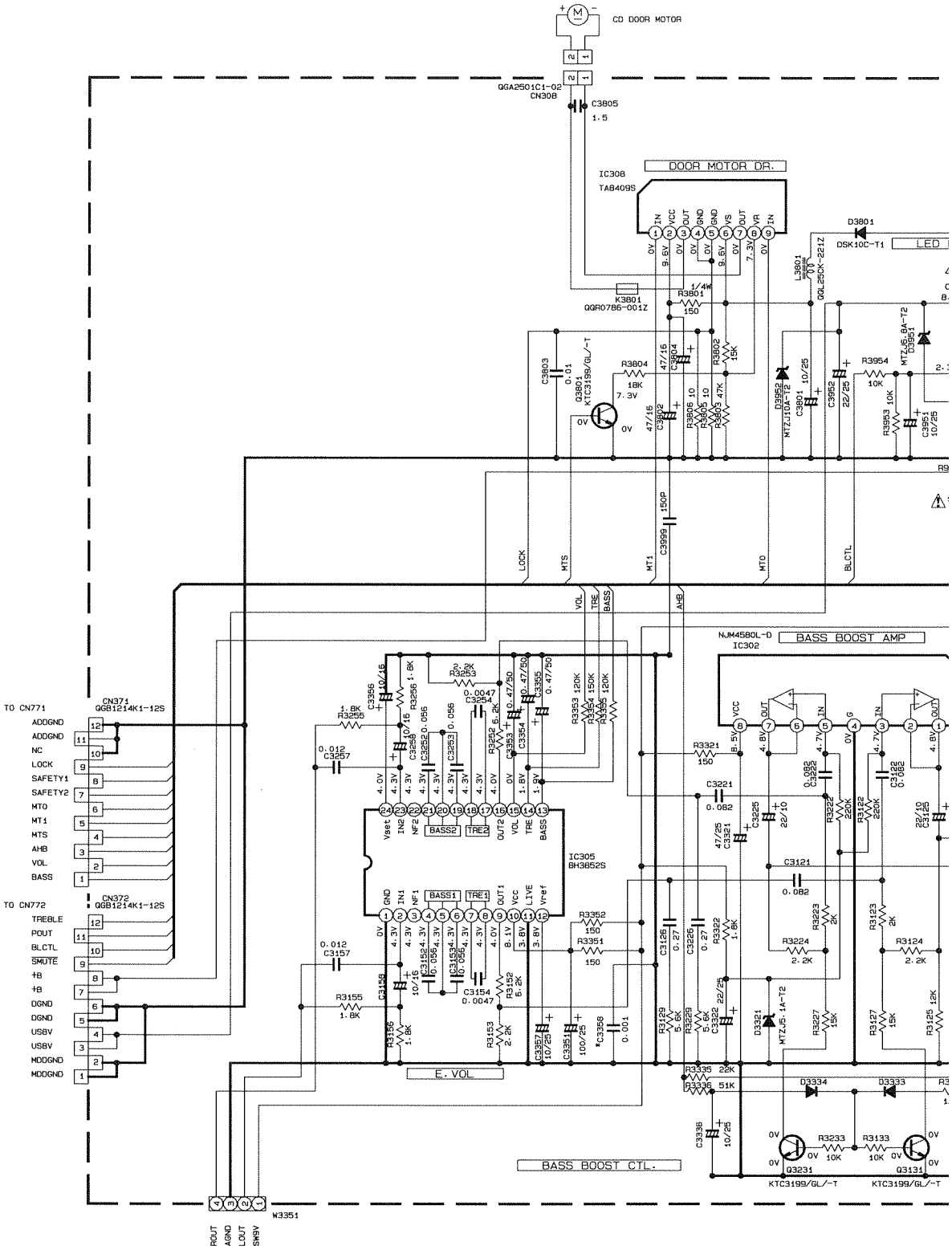




S ARE DC-MEASURED WITH A DIGITAL VOLT METER
ION: MODE : STOP

OTHERWISE SPECIFIED.
PACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
SISTANCE VALUES ARE IN OHM(Ω).
PACITANCE VALUES ARE IN μF(P=pF).
DUCTANCE VALUES ARE IN HENRY(H).
CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).

■ Power Amplifier Circuit for UX-V3/V5/V5R/FS-V5

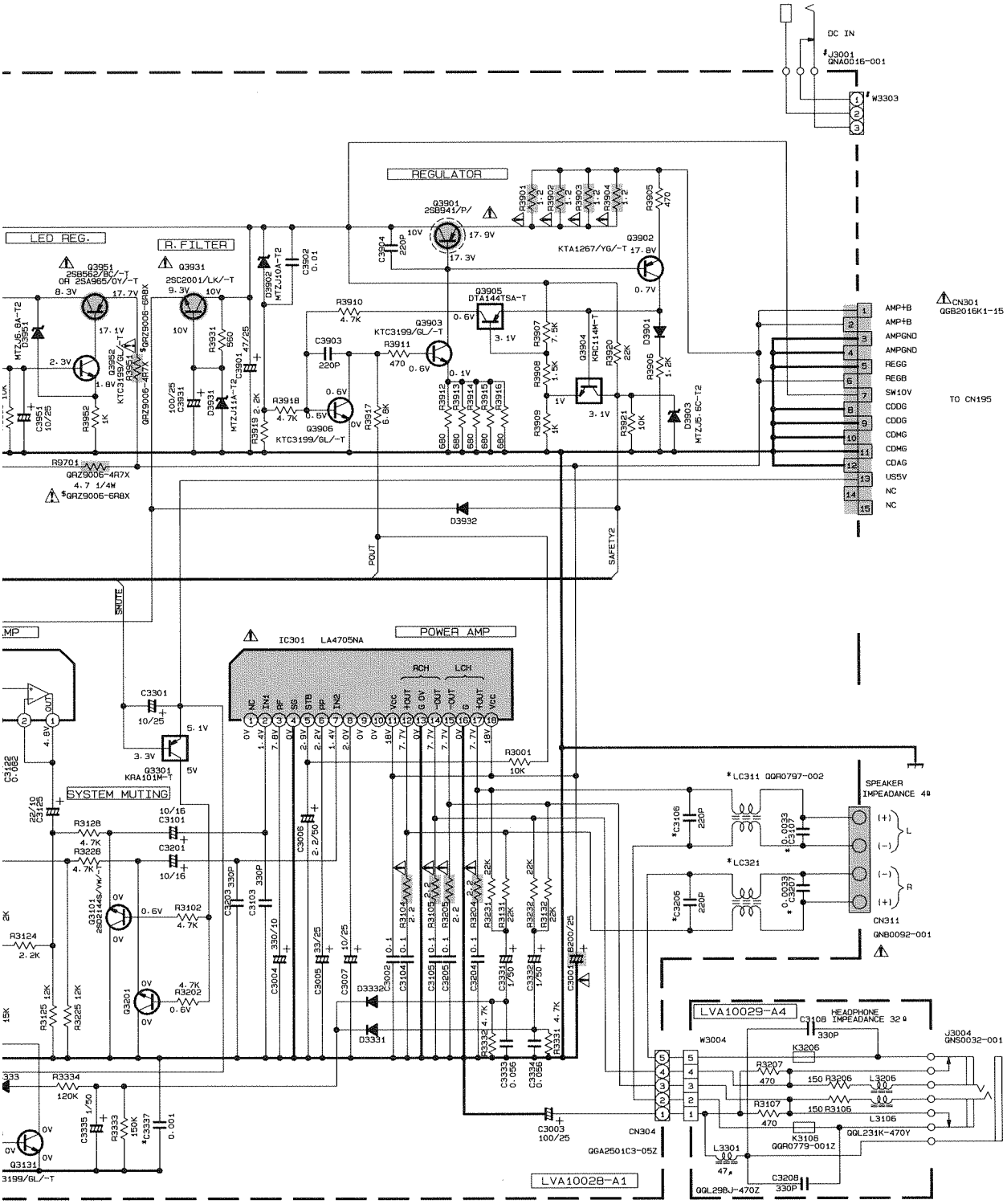


NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION —— FUNC. CD STOP MODE

2. UNLESS OTHERWISE SPECIFIED
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAP
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACIT
   ALL DIODES ARE 1SS133

UX-V3/UX-V5
UX-V5R/FS-V5



*: E/EN/B/EE/EV/A ONLY
#: EN ONLY

$: FS-V5 ONLY

MYLAR CAPACITOR.

F CAPACITANCE (μF)/RATED VOLTAGE (V).

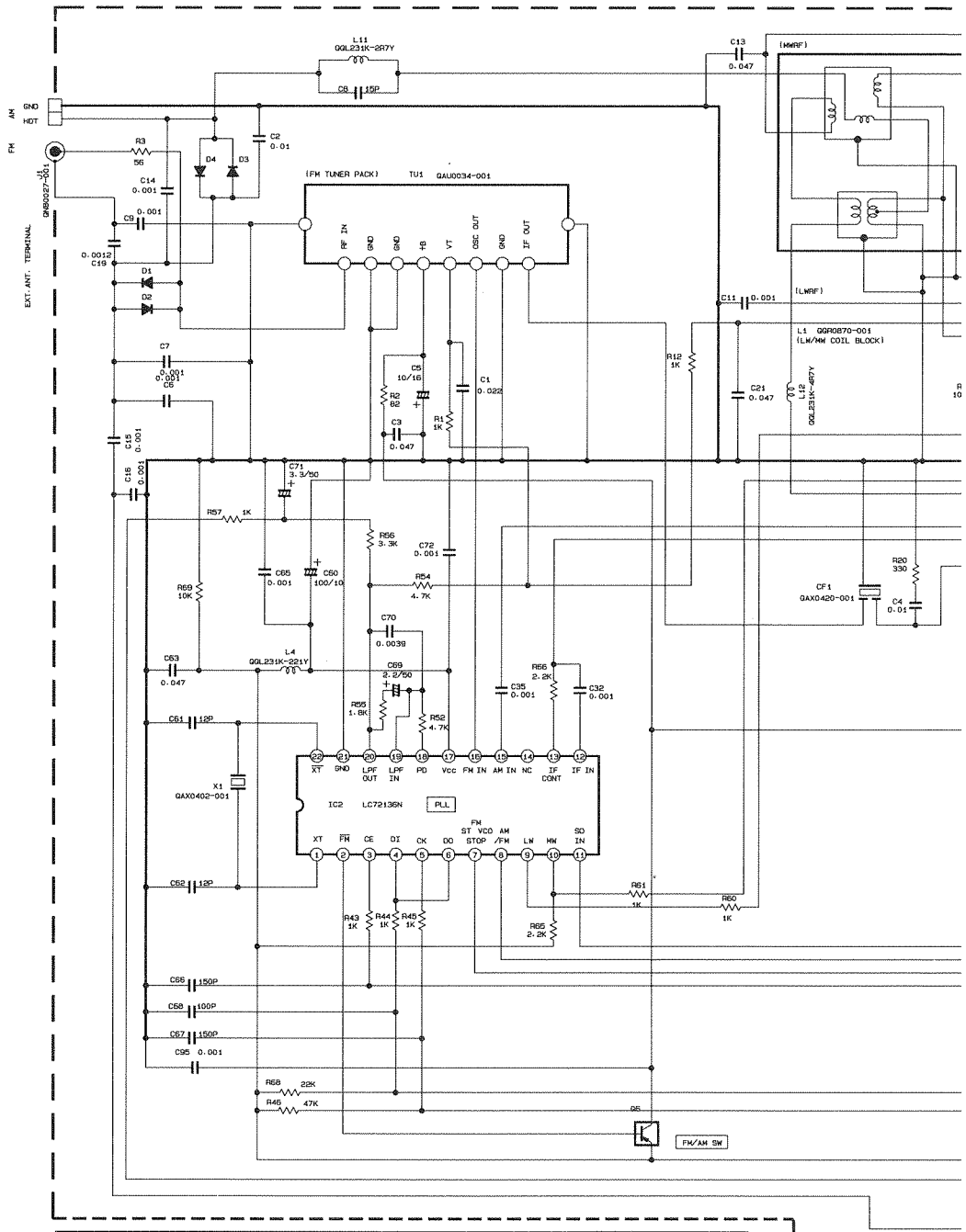
KRC114M-T 47K 47K OPEN

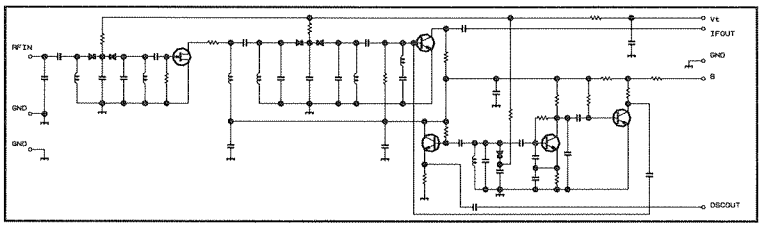
DTA144TS-T 47K OPEN

KRA101M-T 4.7K 4.7K

⚠ Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.

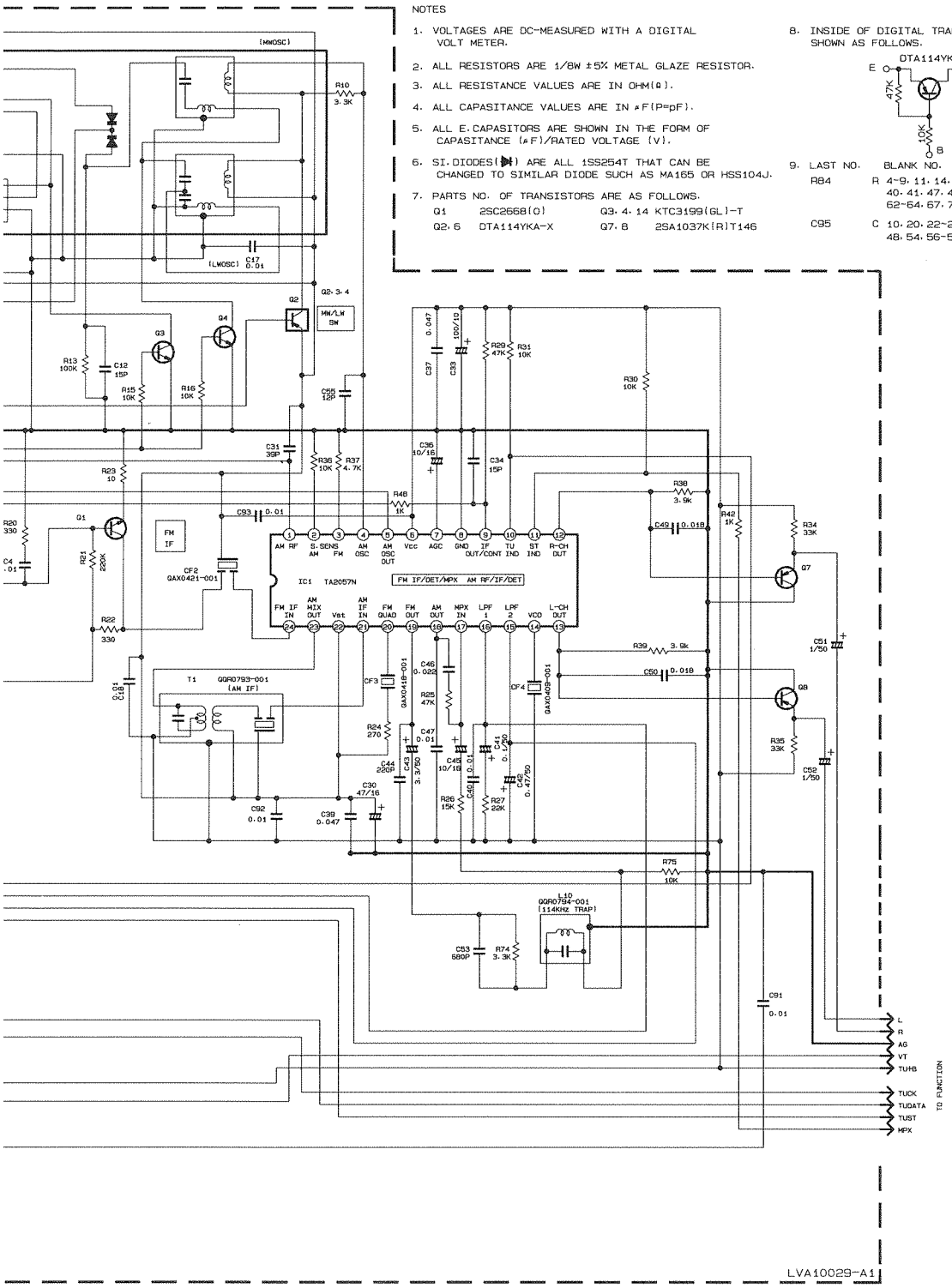
■ Tuner Circuit for UX-V3/V5/FS-V5





	CONDITION PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL	2.0	0.5	0	2.0	5.1	5.1	0	0	0.3	5.1	5.1	1.1	1.1	4.4	3.7	3.7	1.4	0	1.3	1.1	2.0	2.0	5.1	2.0
	FM 60dB STEREO	2.0	0.5	0	2.0	5.1	5.1	1.1	0	0.3	0	0	1.1	1.1	4.3	4.1	3.7	1.4	0	1.4	1.1	2.0	2.0	5.1	2.0
	AM NO SIGNAL	2.0	0.5	0	2.0	5.0	5.1	0	0	0.3	5.1	5.1	1.1	1.1	4.5	0.1	0	1.4	1.4	1.5	1.6	2.0	2.0	5.1	2.0
IC2	FM NO SIGNAL	2.4	0	0	5.1	5.0	5.1	3.7	3.7	2.0	3.8	5.1	0	0	0	0	2.6	5.1	1.0	1.0	3.7	0	2.7		
IC4	FM NO SIGNAL	2.0	2.5	2.5	2.5	5.0	0	2.5	2.5	0	0	0	5.0	2.4	2.4	2.5	2.5								

Tr NO.	
PIN NO.	
FM 87.5MHz NO SIGNAL	
AM 522KHz NO SIGNAL	
Tr NO.	
PIN NO.	
AM 522KHz NO SIGNAL	
AM 144KHz NO SIGNAL	



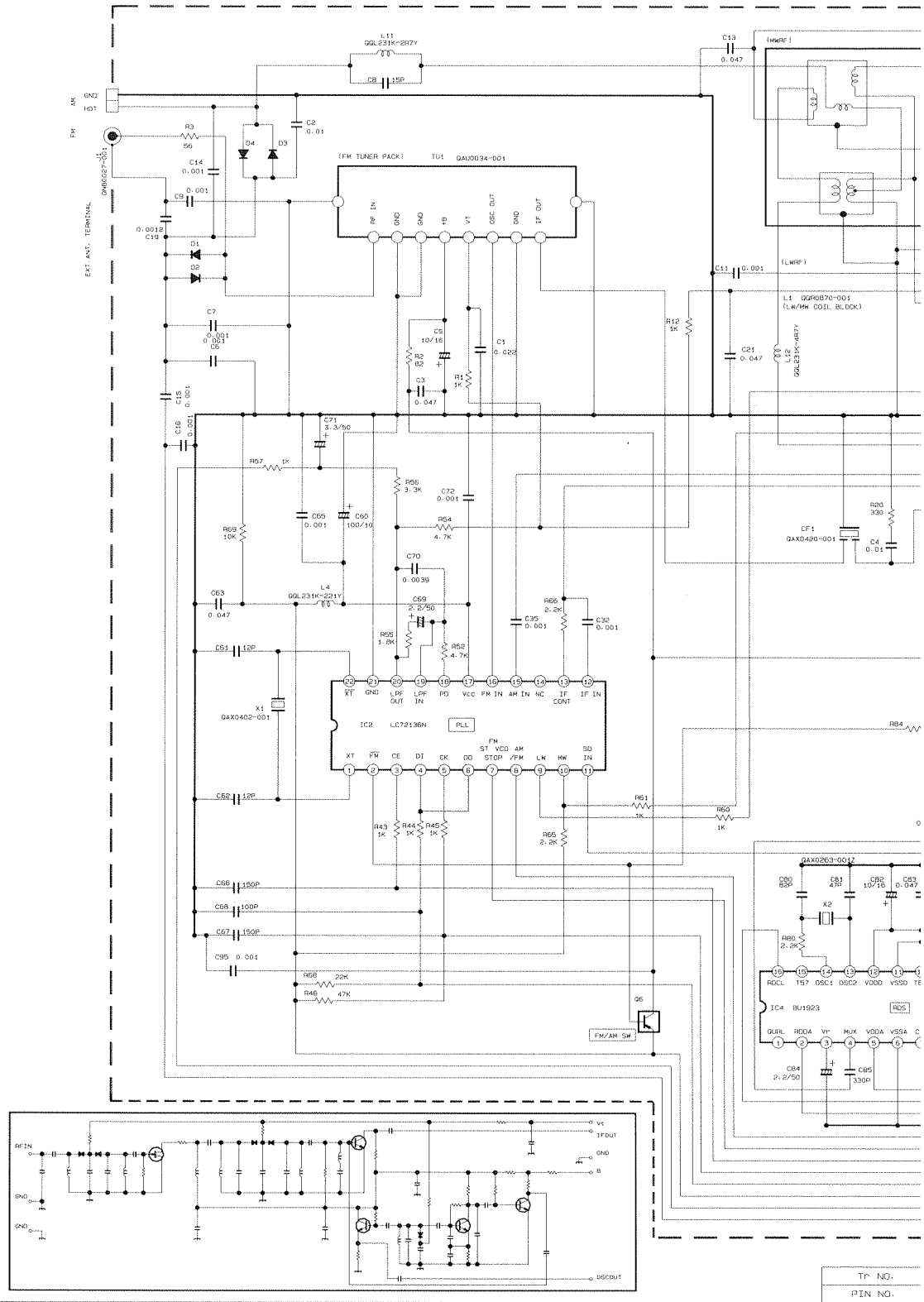
NO.	Q1			Q6			Q7			Q8			Q14		
NO.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
iz NO SIGNAL	0	7.5	0.7	8.8	8.7	0	1.6	0	1.1	1.6	0	1.1	5.1	5.1	4.5
: NO SIGNAL	0	0	0	8.8	0	8.7	1.6	0	1.1	1.6	0	1.1	5.1	0.1	8.7

NO.	Q2			Q3			Q4		
NO.	E	C	B	E	C	B	E	C	B
: NO SIGNAL	2.0	2.0	0.1	0	0	0.7	0	0	0.7
: NO SIGNAL	2.0	2.0	2.0	0	0	0.1	0	0	0.1

E/B/EN/EV/A

E F G H I

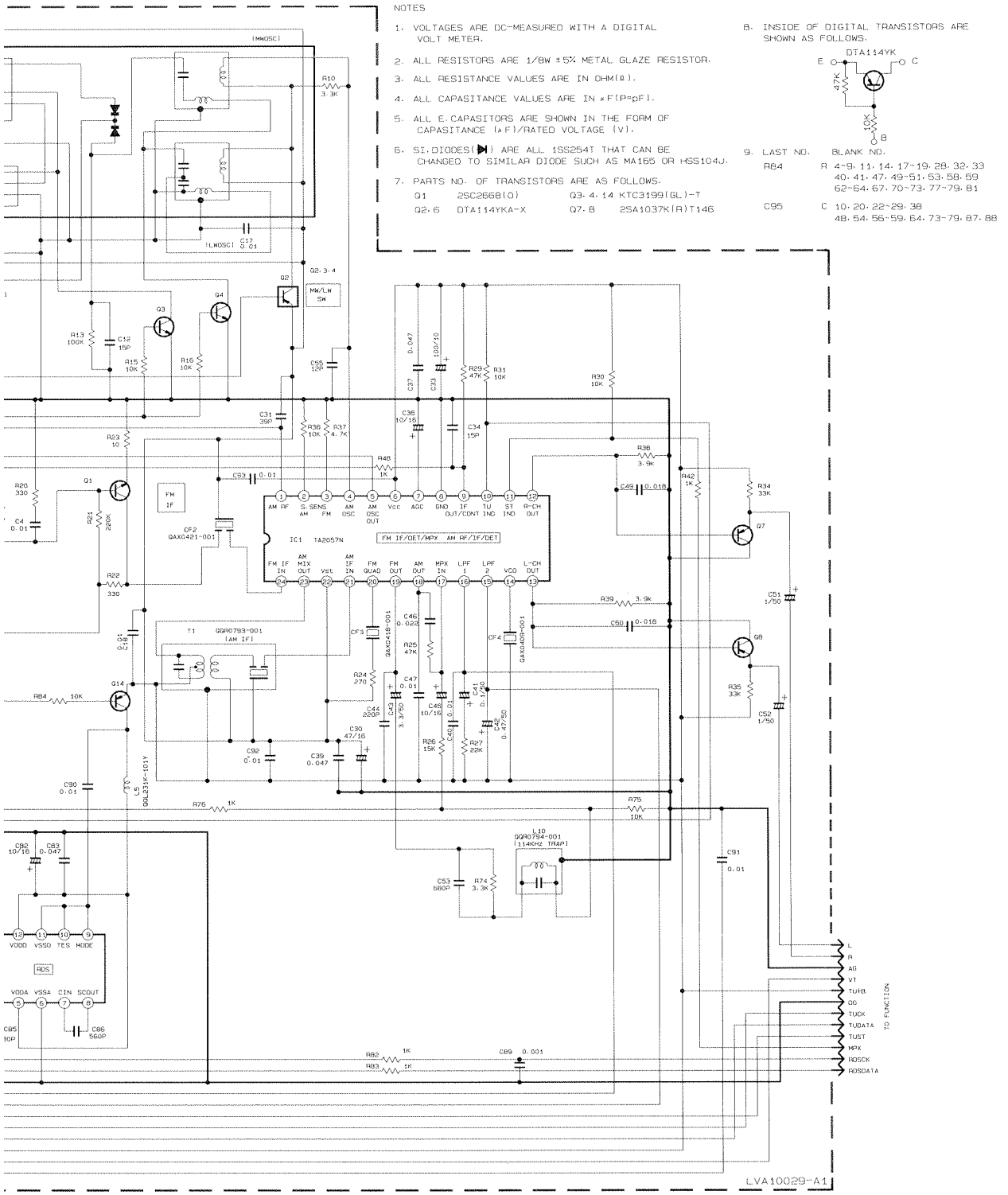
■ Tuner Circuit for UX-V5R



	CONDITION PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL	2.0	0.5	0	2.0	5.1	5.1	0	0	0.3	5.1	5.1	1.1	1.1	4.4	3.7	3.7	1.4	0	1.3	1.1	2.0	2.0	5.1	2.0
	FM 60dB STEREO	2.0	0.5	0	2.0	5.1	5.1	1.1	0	0.3	0	0	1.1	1.1	4.3	4.1	3.7	1.4	0	1.4	1.1	2.0	2.0	5.1	2.0
	AM NO SIGNAL	2.0	0.5	0	2.0	5.0	5.1	0	0	0.3	5.1	5.1	1.1	1.1	4.5	0.1	0	1.4	1.4	1.5	1.6	2.0	2.0	5.1	2.0
IC2	FM NO SIGNAL	2.4	0	0	5.1	5.0	5.1	3.7	3.7	2.0	3.8	5.1	0	0	0	0	2.6	5.1	1.0	1.0	3.7	0	2.7		
IC4	FM NO SIGNAL	2.0	2.5	2.5	2.5	5.0	0	2.5	2.5	0	0	0	5.0	2.4	2.4	2.5	2.5								

Tr NO.	
PIN NO.	
FM 87.5MHz NO SIGN	
AM 522KHz NO SIGNA	
Tr NO.	
PIN NO.	
AM 522KHz NO SIGNA	
AM 144KHz NO SIGNA	

UX-V3/UX-V5
UX-V5R/FS-V5

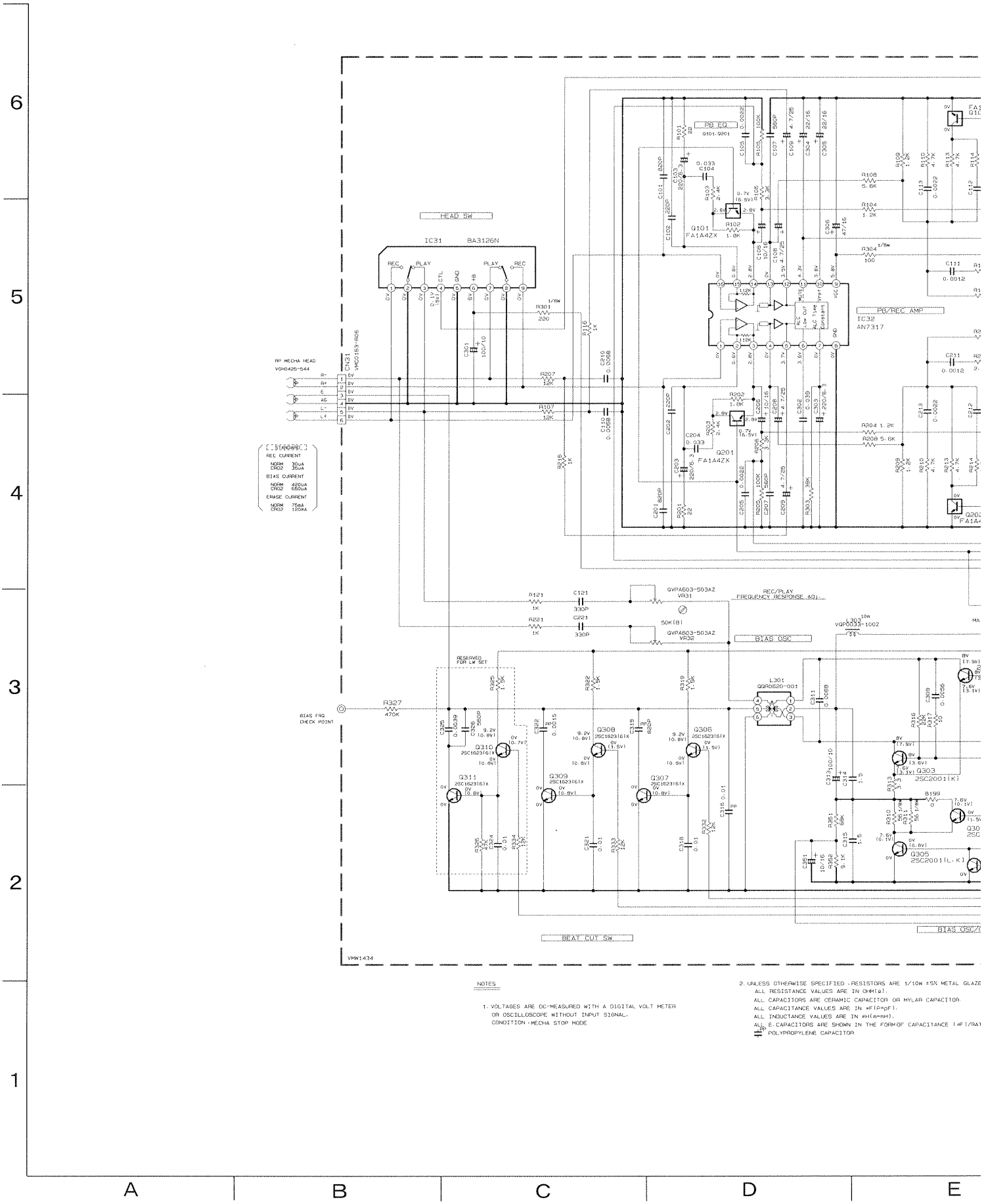


Tr NO.	Q1			Q5			Q7			Q8			Q14		
IN NO.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
5MHZ NO SIGNAL	0	7.5	0.7	8.8	8.7	0	1.6	0	1.1	1.6	0	1.1	5.1	5.1	4.5
KHz NO SIGNAL	0	0	0	8.8	0	8.7	1.6	0	1.1	1.6	0	1.1	5.1	0.1	8.7

Tr NO.	Q2			Q3			Q4		
IN NO.	E	C	B	E	C	B	E	C	B
KHz NO SIGNAL	2.0	2.0	0.1	0	0	0.7	0	0	0.7
KHz NO SIGNAL	2.0	2.0	2.0	0	0	0.1	0	0	0.1

E/B/EN/EV/A

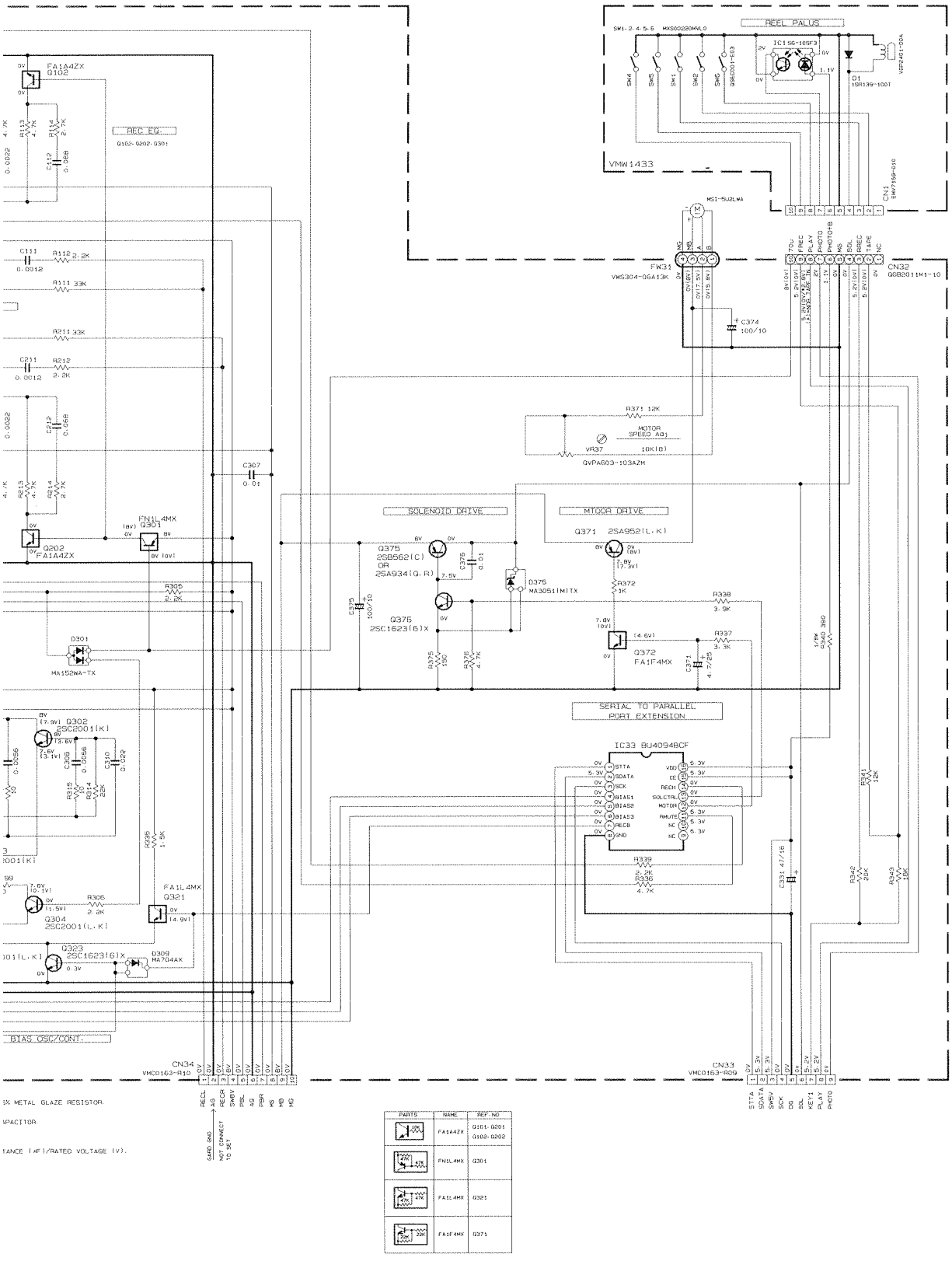
■ Cassette Amplifier Circuit



NOTES

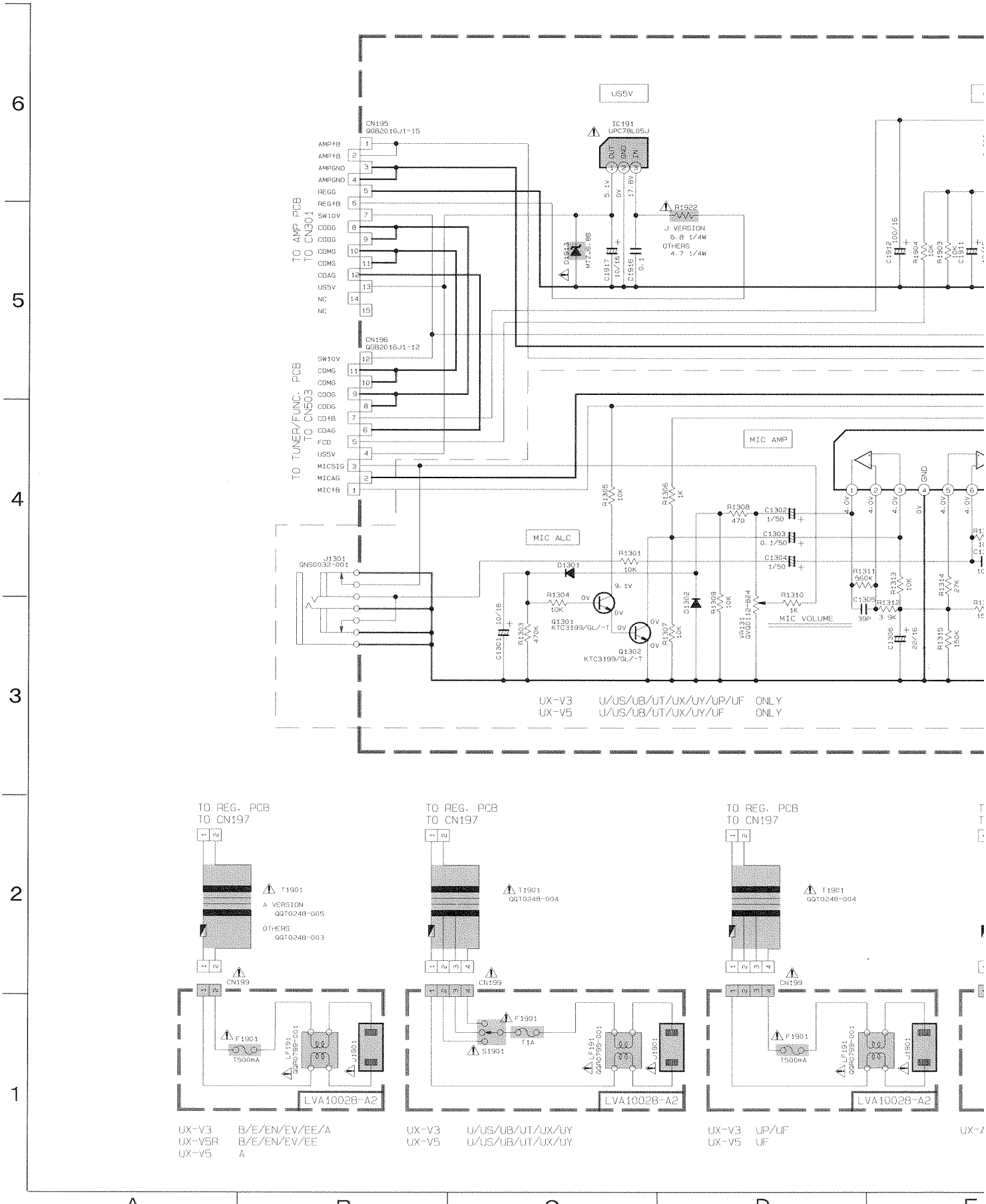
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION : MECHA STOP MODE

2. UNLESS OTHERWISE SPECIFIED · RESISTORS ARE 1/10W ±5% METAL GLAZE
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN μF(p=pF).
ALL INDUCTANCE VALUES ARE IN μH(m=mH).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE / WV(WV)
PP : POLYPROPYLENE CAPACITOR

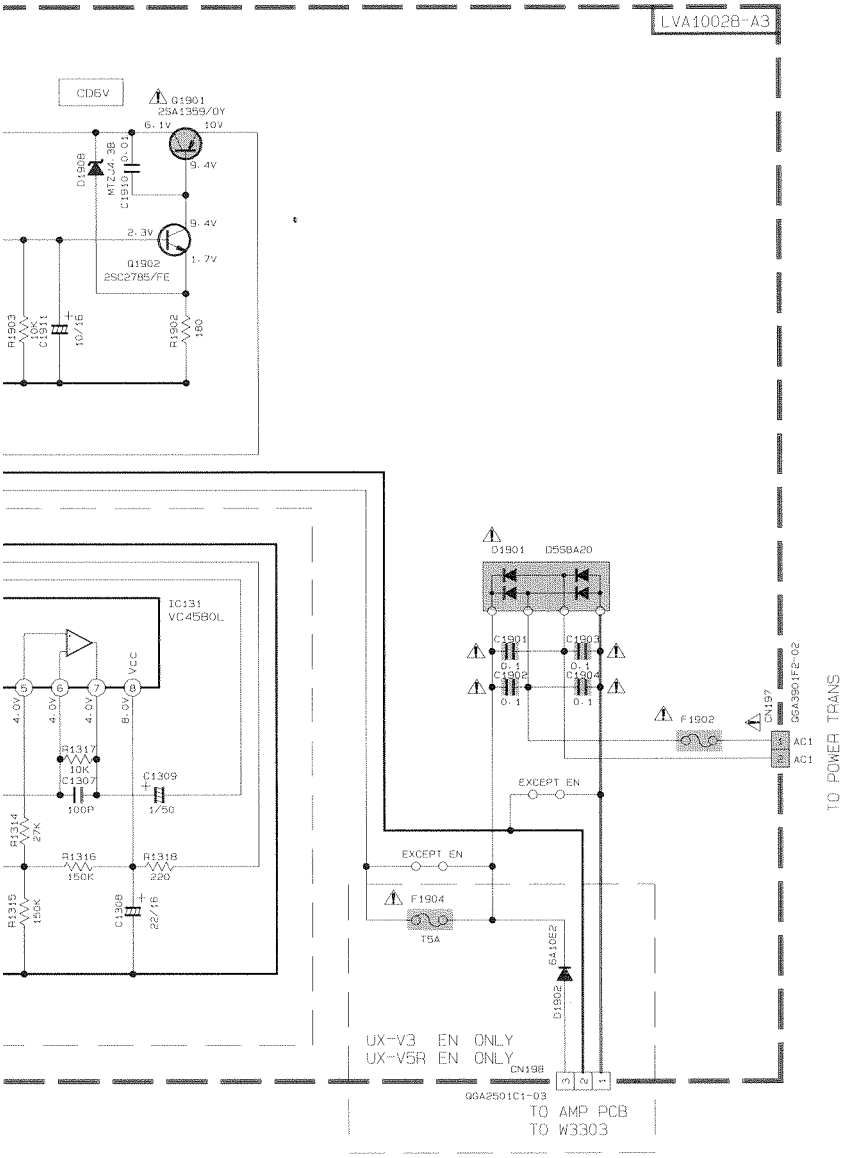


PARTS	NAME	REF.NO
	FA1A4ZX	Q101-Q201 Q102-Q202
	FN1L4MX	Q301
	FA1L4MX	Q321
	FA1F4MX	Q371

■ Power Supply Circuit for UX-V3/V5/V5R

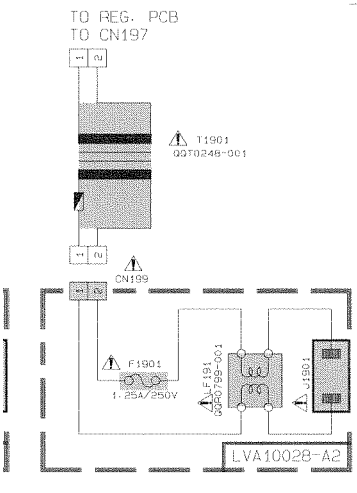


UX-V3/UX-V5
UX-V5R/FS-V5

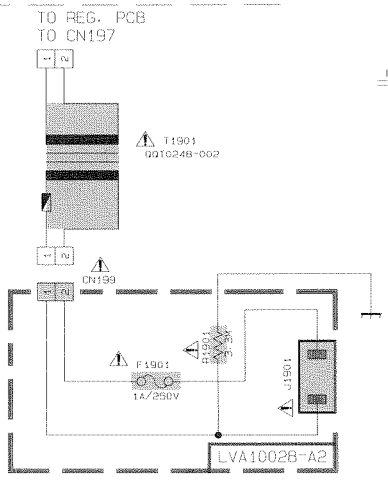


MODEL	VERSION	F1902
UX-V3 UX-V5R UX-V5	B/E/EN/EV/EE U/US/UB/UT/UX/UY/UP/UF B/E/EN/EV/EE U/US/UB/UT/UX/UY/UF	T6.3A
UX-V3 UX-V5	A A	T8A
UX-A1 FS-V5	D J	8A/125V

VERSION CODES



UX-A1 D



FS-V5 J

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION ---CD STOP MODE

2. UNLESS OTHERWISE SPECIFIED ・RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN ・F(P=pF).
   ALL INDUCTANCE VALUES ARE IN ・H(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (・F)/RATED VOLTAGE (V).
   ALL DIODES ARE 1SS133

⚠ Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.