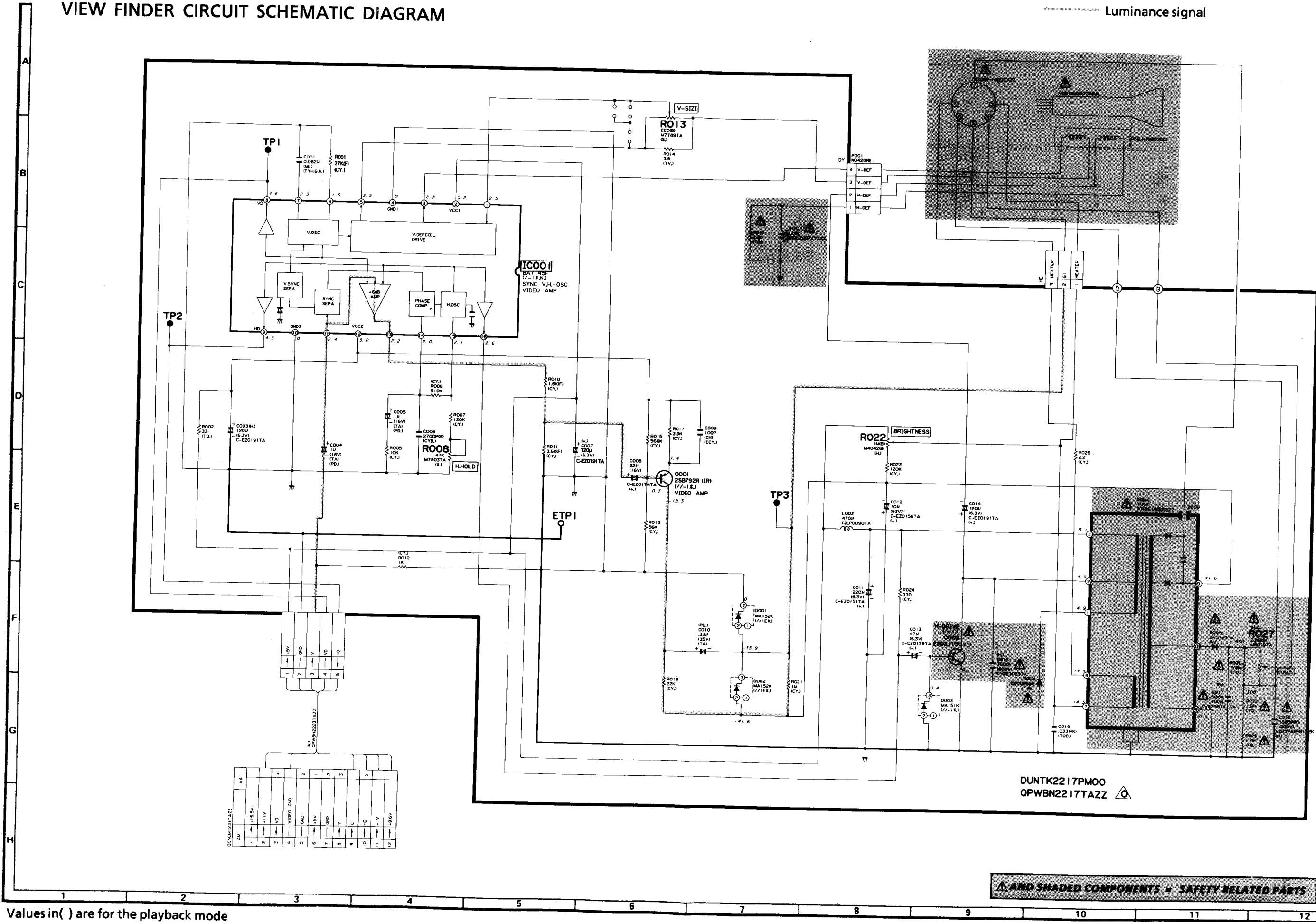


VL C780S H X VL C780S H X
 VL C7400E VL C7400E
 VL C690S H X VL C690S H X
 VL C6400E VL C6400E

VIEW FINDER CIRCUIT SCHEMATIC DIAGRAM

Luminance signal



Values in () are for the playback mode

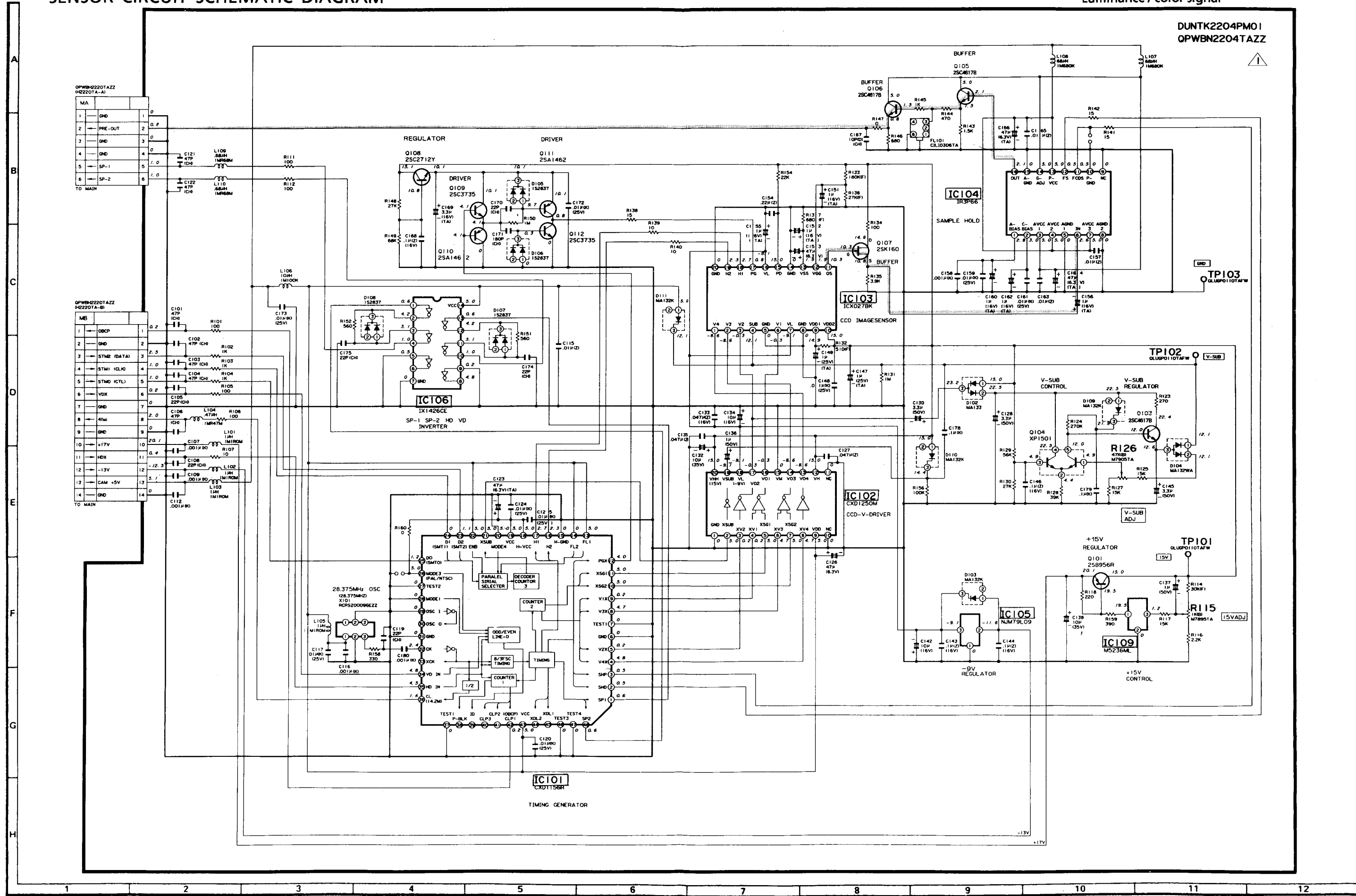
VL C780S H X
 VL C7400E
 VL C690S H X
 VL C6400E

VL C780S H X
 VL C7400E
 VL C690S H X
 VL C6400E

SENSOR CIRCUIT SCHEMATIC DIAGRAM

Luminance / color signal

DUNTK2204PM01
 QPWB2204TAZZ



Values in () are for the playback mode

VL C780S H X
VL C7400E
VL C690S H X
VL C6400E

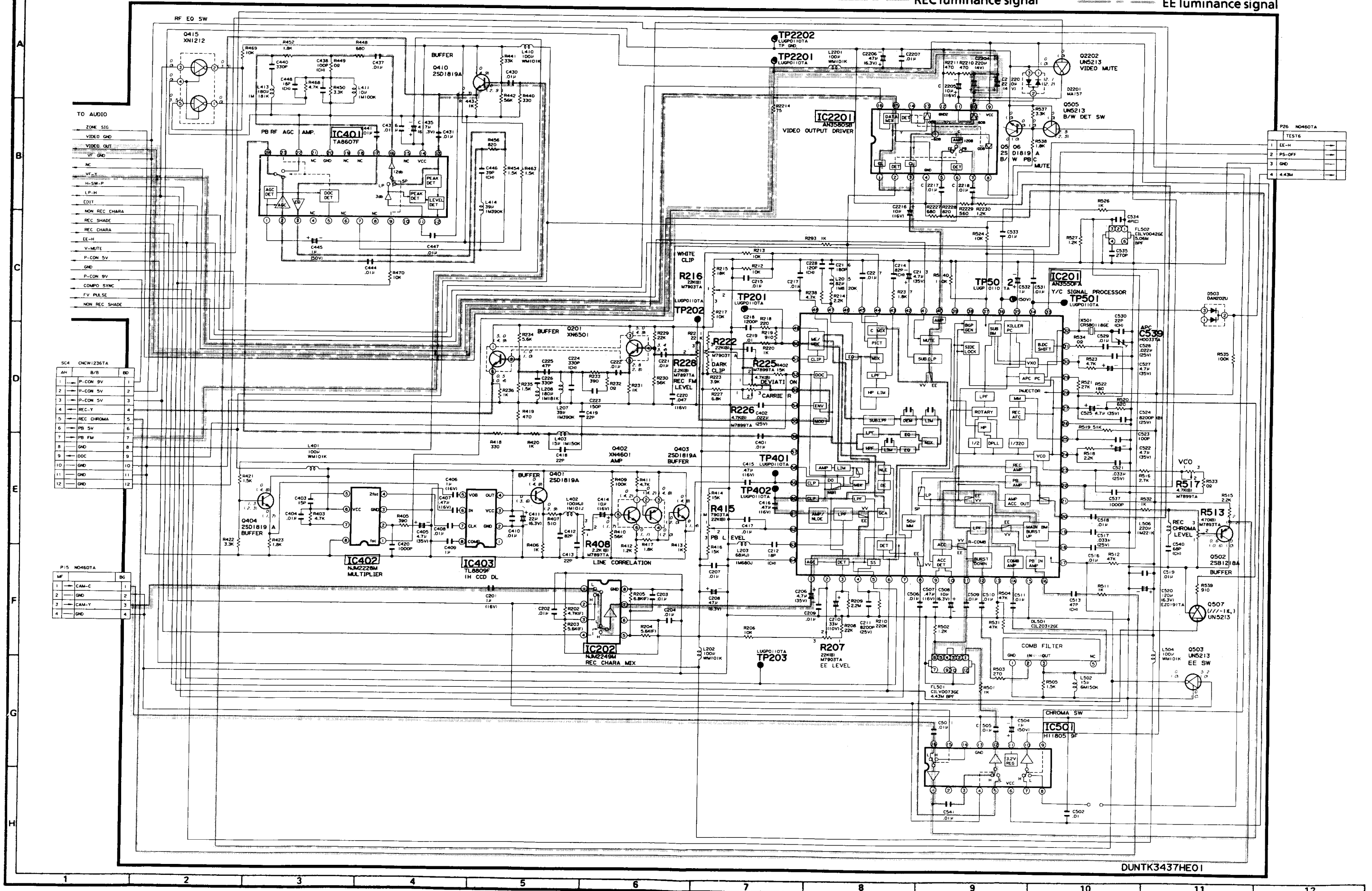
VL C780S H X
VL C7400E
VL C690S H X
VL C6400E

Y/C CIRCUIT SCHEMATIC DIAGRAM

REC chroma signal
PB chroma signal

EE chroma signal
REC luminance signal

PB luminance signal
EE luminance signal



- TO AUDIO
- ZONE SIG
 - VIDEO GND
 - VIDEO OUT
 - VF GND
 - NC
 - VF-T
 - H-SW-F
 - LP-H
 - EDIT
 - NON REC CHARA
 - REC SHADE
 - REC CHARA
 - EE-H
 - V-MUTE
 - P-CON SV
 - GND
 - P-CON BV
 - COMPO SYNC
 - F.V. PLA SE
 - NON REC SHADE

- SC4 CNCW1236TA
- | AH | B/B | BD |
|----|------------|----|
| 1 | P-CON SV | 1 |
| 2 | P-CON SV | 2 |
| 3 | P-CON SV | 3 |
| 4 | REC-Y | 4 |
| 5 | REC CHROMA | 5 |
| 6 | PB SV | 6 |
| 7 | PB FM | 7 |
| 8 | GND | 8 |
| 9 | DOC | 9 |
| 10 | GND | 10 |
| 11 | GND | 11 |
| 12 | GND | 12 |

- P15 N0460TA
- | MF | BD |
|----|-------|
| 1 | CAM-C |
| 2 | GND |
| 3 | CAM-Y |
| 4 | GND |

- P26 N0460TA
- | TEST6 | |
|-------|--------|
| 1 | EE-H |
| 2 | PS-OFF |
| 3 | GND |
| 4 | 4.43M |

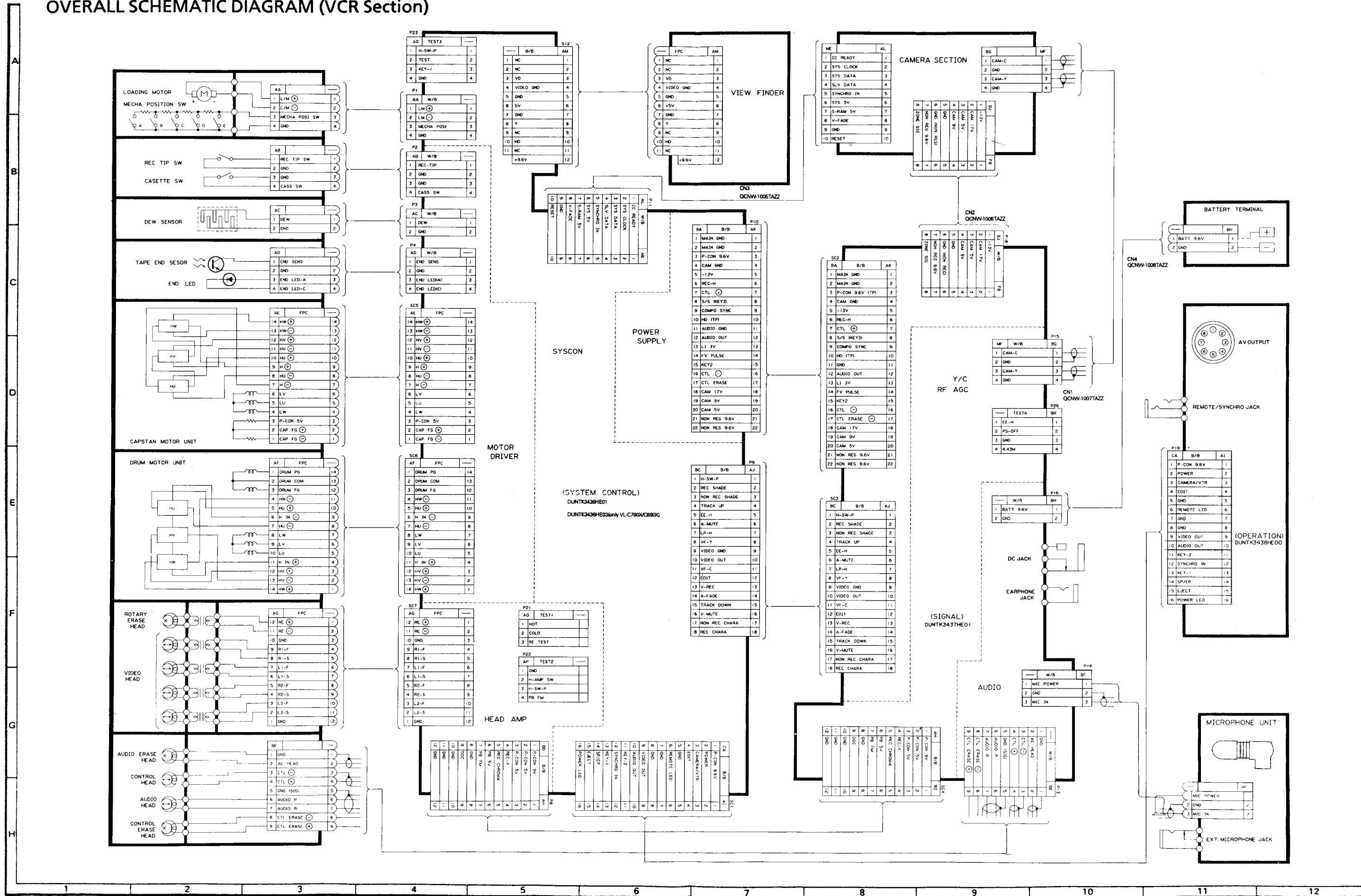
Values in () are for the playback mode

DUNTK3437HE01

VL C780S H X
VL C7400E
VL C690S H X
VL C6400E

VL C780S H X
VL C7400E
VL C690S H X
VL C6400E

OVERALL SCHEMATIC DIAGRAM (VCR Section)



VL C780S H X
VL C7400E
VL C690S H X
VL C6400E

VL C780S H X
VL C7400E
VL C690S H X
VL C6400E

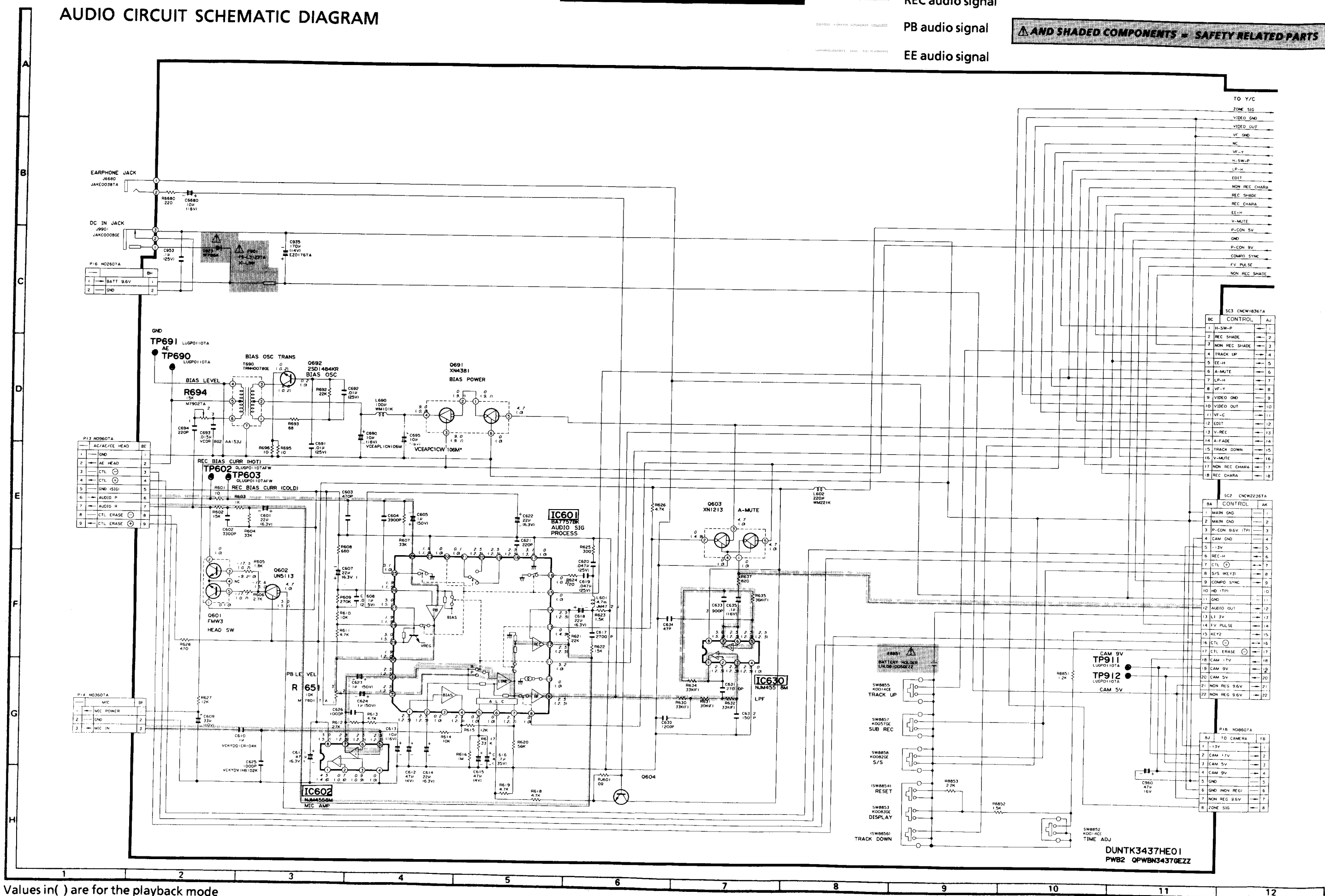
REC audio signal

PB audio signal

EE audio signal

▲ AND SHADED COMPONENTS = SAFETY RELATED PARTS

AUDIO CIRCUIT SCHEMATIC DIAGRAM



TO Y/C

ZONE SIG
VIDEO GND
VIDEO OUT
VF GND
NC
VF-Y
H-SW-P
LF-H
EDIT
NON REC CHARA
REC SHADE
REC CHARA
EE-H
V-MUTE
P-CON 5V
GND
P-CON 9V
COMPO SYNC
FV PULSE
NON REC SHADE

SC3 CNW1836TA

BC	CONTROL	AJ
1	H-SW-P	1
2	REC SHADE	2
3	NON REC SHADE	3
4	TRACK LP	4
5	EE-H	5
6	A-MUTE	6
7	LF-H	7
8	VF-Y	8
9	VIDEO GND	9
10	VIDEO OUT	10
11	VF-C	11
12	EDIT	12
13	V-REC	13
14	A-FADE	14
15	TRACK DOWN	15
16	V-MUTE	16
17	NON REC CHARA	17
18	REC CHARA	18

SC2 CNW2236TA

BA	CONTROL	AK
1	MAIN GND	1
2	MAIN GND	2
3	P-CON 9.6V (7P)	3
4	CAM GND	4
5	-13V	5
6	REC-H	6
7	CTL	7
8	S/S (KEY2)	8
9	COMPO SYNC	9
10	ND (7P)	10
11	GND	11
12	AUDIO OUT	12
13	L1 3V	13
14	FV PULSE	14
15	KEY2	15
16	CTL	16
17	CTL ERASE	17
18	CAM 17V	18
19	CAM 9V	19
20	CAM 5V	20
21	NON REG 9.6V	21
22	NON REG 9.6V	22

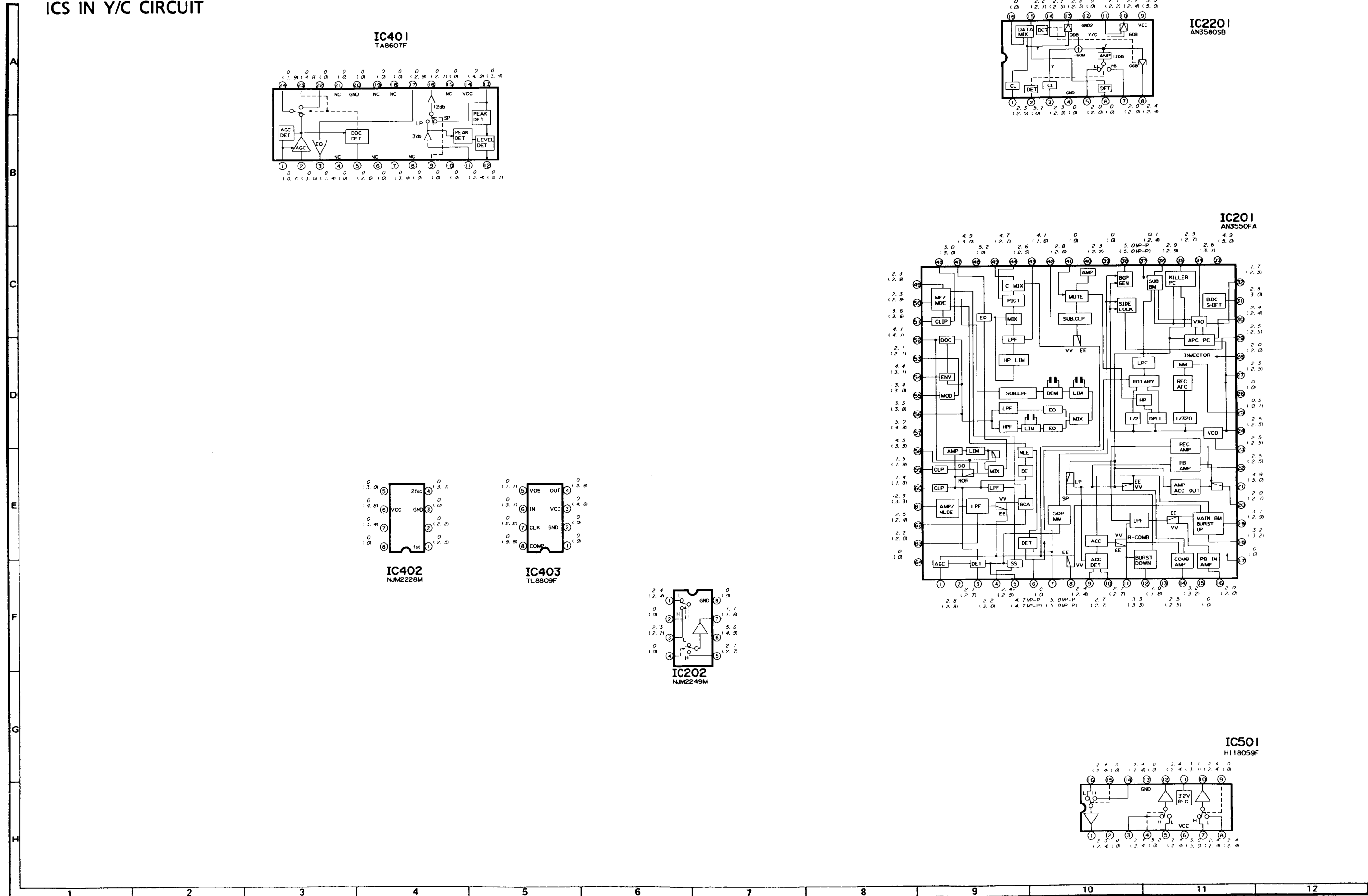
P18 NOB60TA

BJ	TO CAMERA	1B
1	-13V	1
2	CAM 17V	2
3	CAM 5V	3
4	CAM 9V	4
5	GND	5
6	GND (NON REG)	6
7	NON REG 9.6V	7
8	ZONE SIG	8

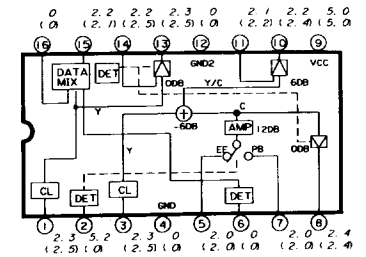
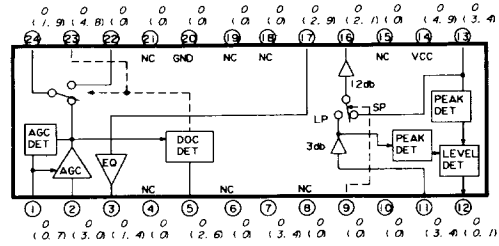
Values in () are for the playback mode

VL C780S H X VL C780S H X
 VL C7400E VL C7400E
 VL C690S H X VL C690S H X
 VL C6400E VL C6400

ICS IN Y/C CIRCUIT

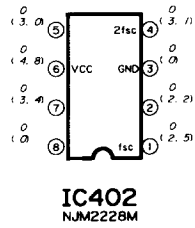
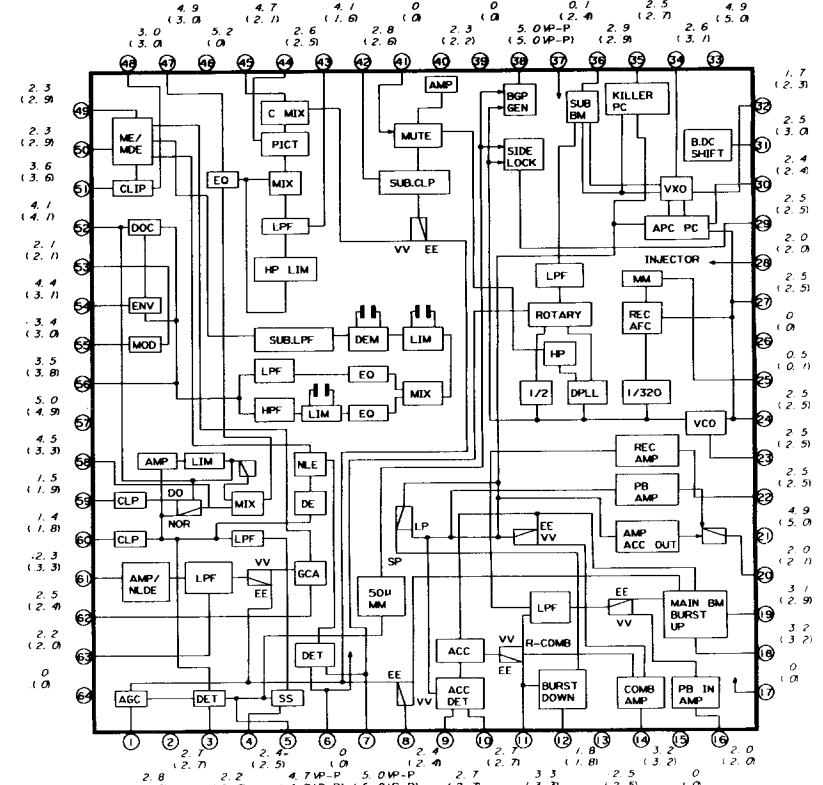


IC401
TA8607F

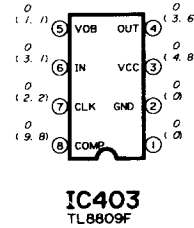


IC2201
AN3580SB

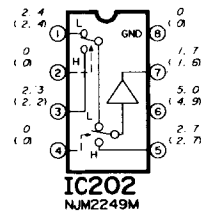
IC201
AN3550FA



IC402
NJM2228M

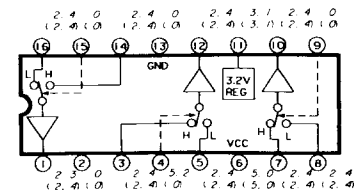


IC403
TL8809F



IC202
NJM2249M

IC501
HI18059F



Values in () are for the playback mode

VL C780S H X
VL C7400E
VL C690S H X
VL C6400E

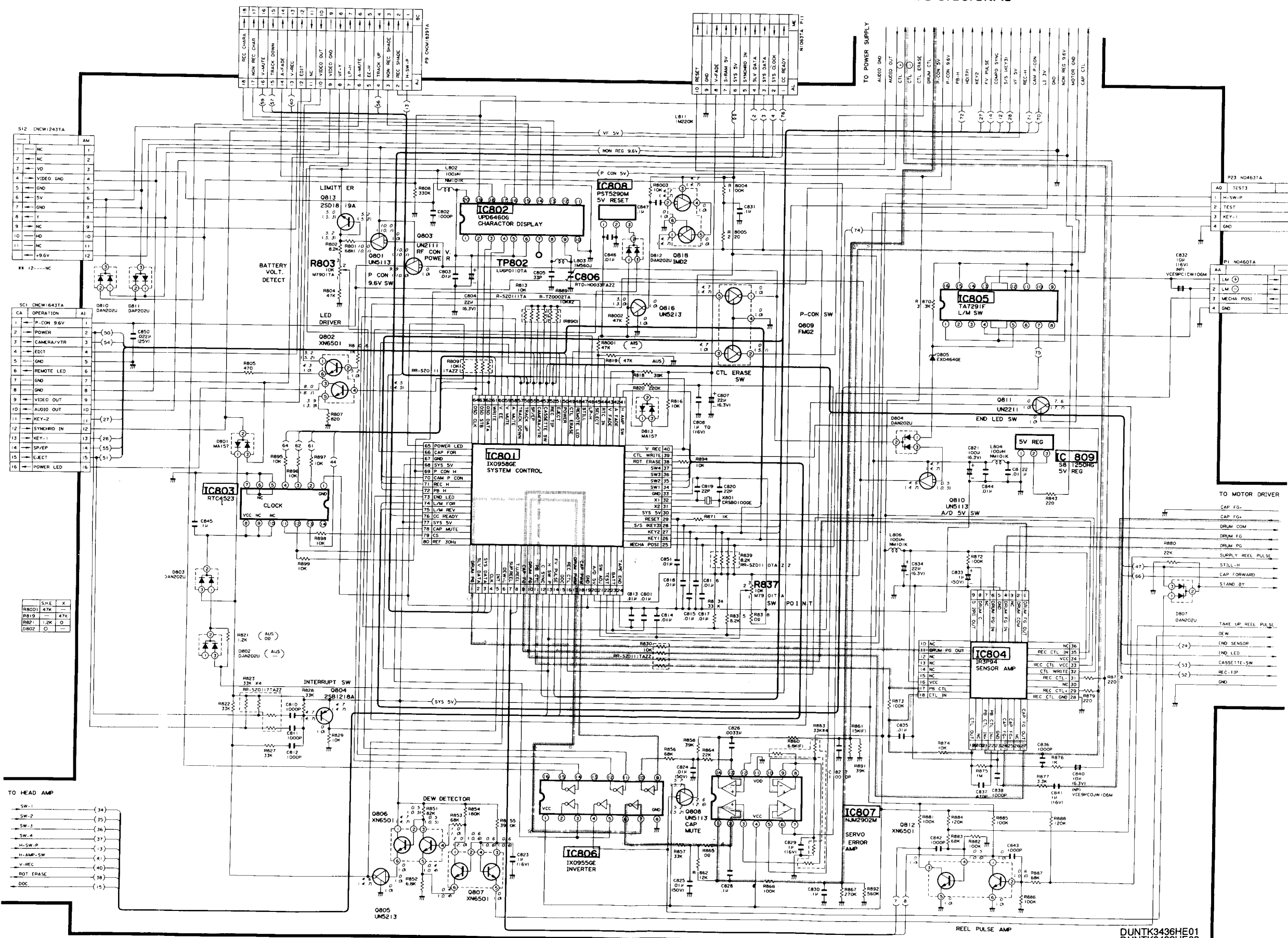
VL C780S H X
VL C7400E
VL C690S H X
VL C6400E

SYSTEM CONTROL CIRCUIT SCHEMATIC DIAGRAM

DRUM FG
DRUM PG

DRUM SERVO SIGNAL
CAP SERVO SIGNAL

CAP FG
PB CTL SIGNAL



512 ONW1243TA

1	NC	1
2	NC	2
3	VD	3
4	VIDEO GND	4
5	5V	5
6	GND	6
7	NC	7
8	Y	8
9	NC	9
10	HD	10
11	NC	11
12	+9.6V	12

511 ONW1643TA

1	P-CON 9.6V	1
2	POWER	2
3	CAMERA/VTR	3
4	ED1	4
5	GND	5
6	REMOTE LED	6
7	GND	7
8	GND	8
9	VIDEO OUT	9
10	AUDIO OUT	10
11	KEY-2	11
12	SYNCHRO IN	12
13	KEY-1	13
14	SP/EP	14
15	E-ECT	15
16	POWER LED	16

RES	Ω
R801	47K
R810	47K
R821	1.2K
R802	0

TO HEAD AMP

SW-1	(34)
SW-2	(35)
SW-3	(36)
SW-4	(37)
H-SW-P	(3)
H-AMP-SW	(4)
V-REC	(40)
ROT ERASE	(38)
DOC	(15)

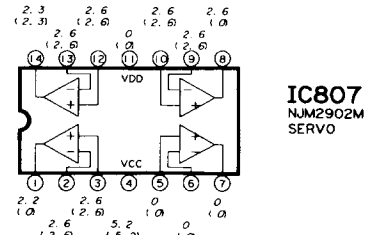
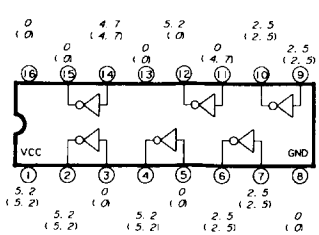
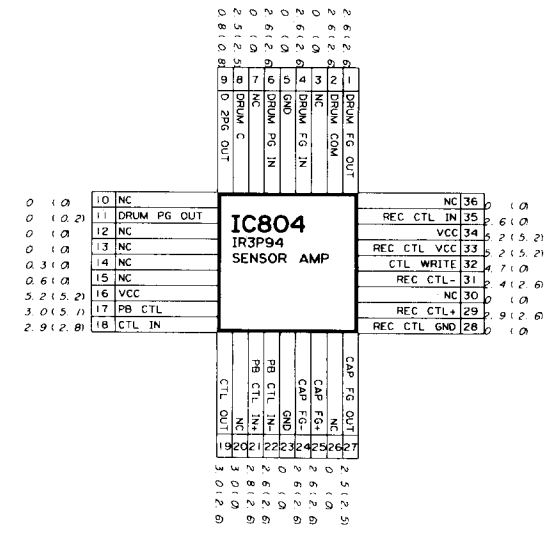
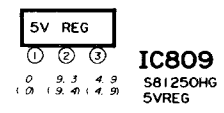
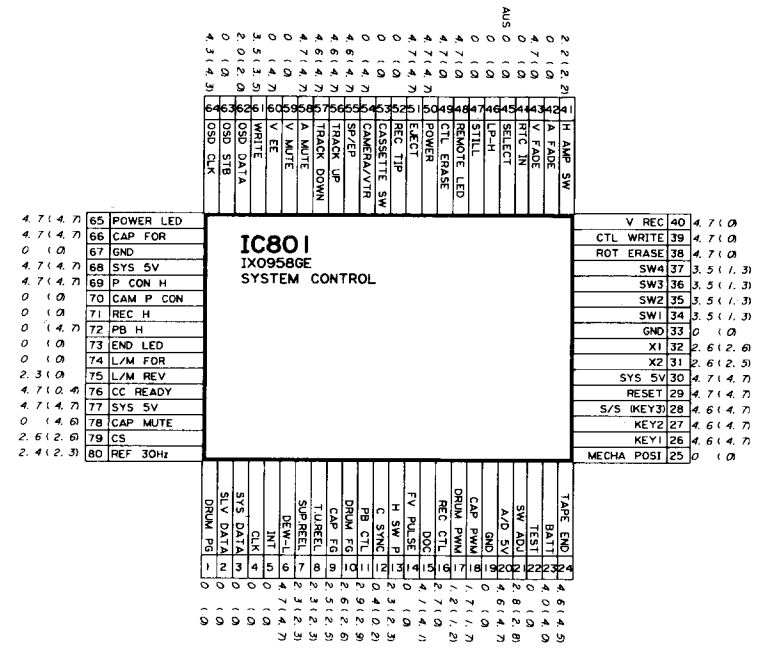
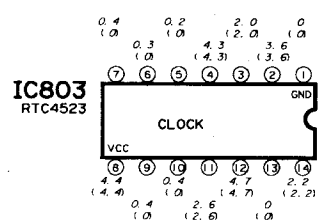
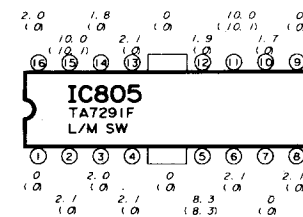
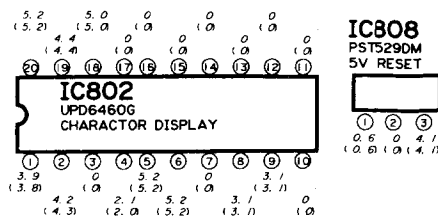
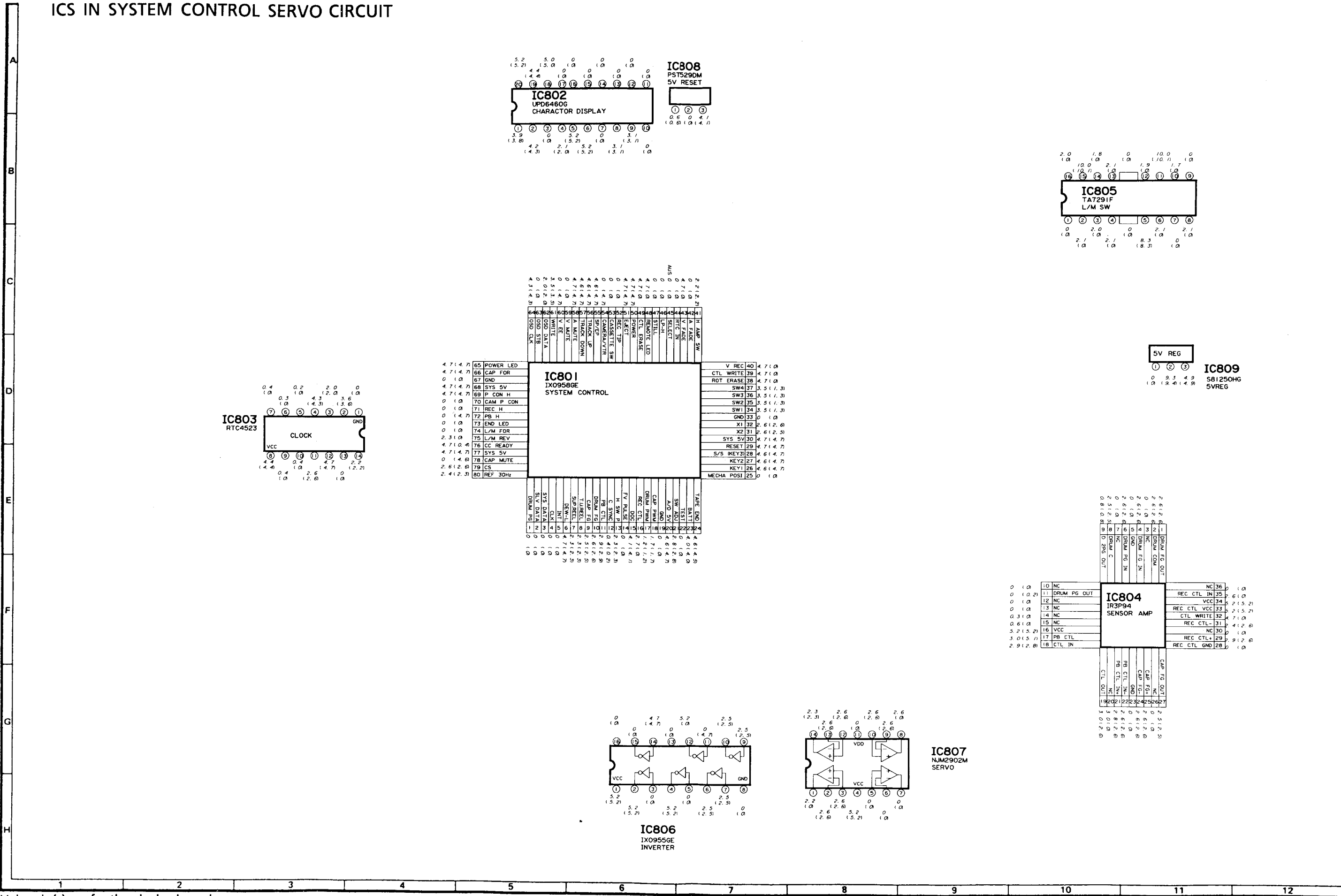
DUNTK3436HE01
DUNTK3436HE03

Values in () are for the playback mode

VL C780S H X
VL C7400E
VL C690S H X
VL C6400E

VL C780S H X
VL C7400E
VL C690S H X
VL C6400E

ICS IN SYSTEM CONTROL SERVO CIRCUIT



Values in () are for the playback mode

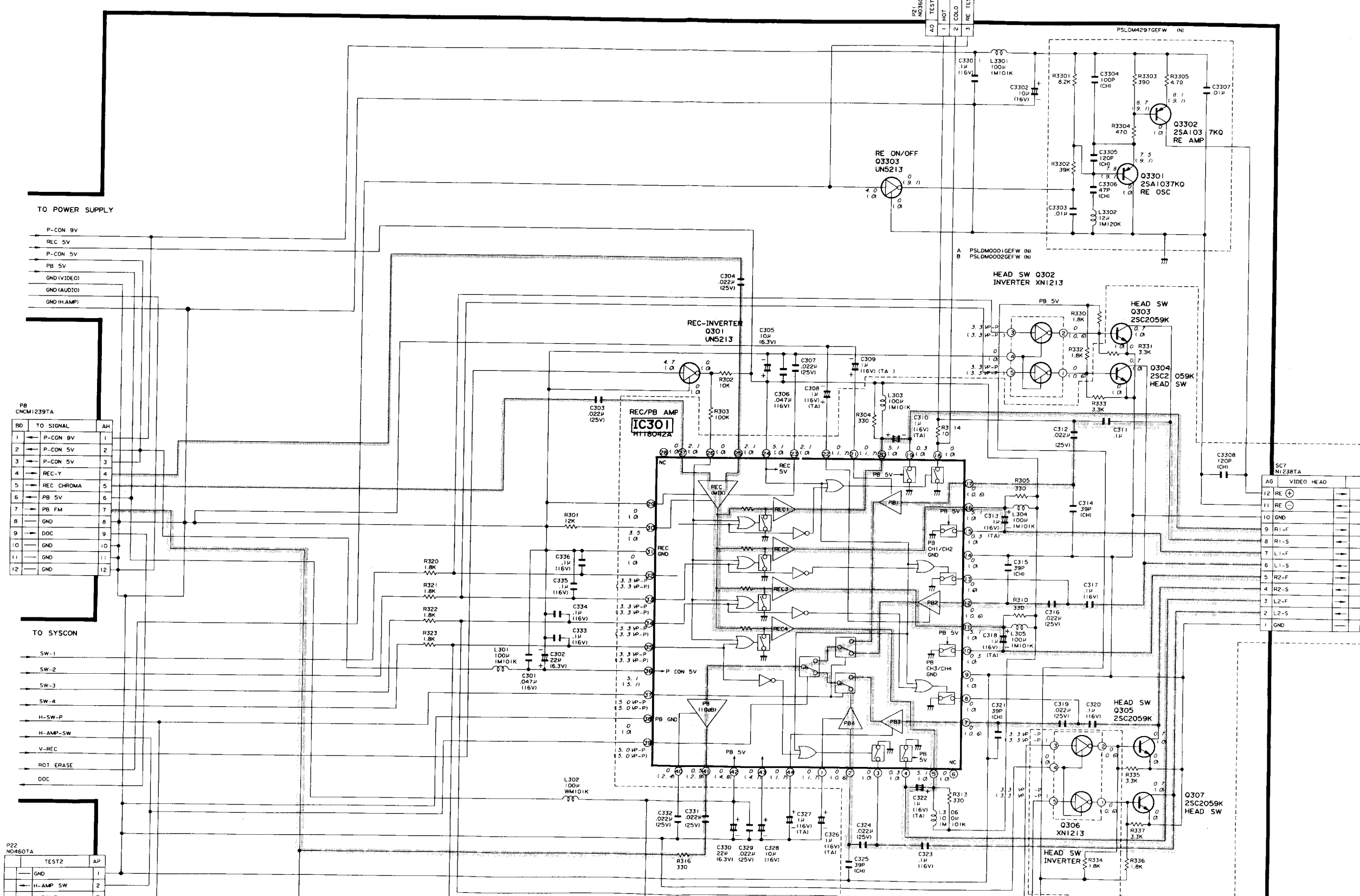
VL-C780S/H/X
VL-C7400E
VL-C690S/H/X
VL-C6400E

VL-C780S H X
VL-C7400E
VL-C690S H X
VL-C6400E

HEAD AMP CIRCUIT SCHEMATIC DIAGRAM

REC chroma signal

PB luminance signal
REC luminance signal



TO POWER SUPPLY

P-CON 9V
REC 5V
P-CON 5V
PB 5V
GND (VIDEO)
GND (AUDIO)
GND (AMP)

PB CNM1239TA

BD	TO SIGNAL	AH
1	P-CON 9V	1
2	P-CON 5V	2
3	P-CON 5V	3
4	REC-Y	4
5	REC CHROMA	5
6	PB 5V	6
7	PB FM	7
8	GND	8
9	DOC	9
10	GND	10
11	GND	11
12	GND	12

TO SYSCON

SW-1
SW-2
SW-3
SW-4
H-SW-P
H-AMP-SW
V-REC
ROT ERASE
DOC

P22 NO460TA

TEST2	AP
GND	1
H-AMP SW	2
H-SW-P	3
PB FM	4

SC7 NI238TA

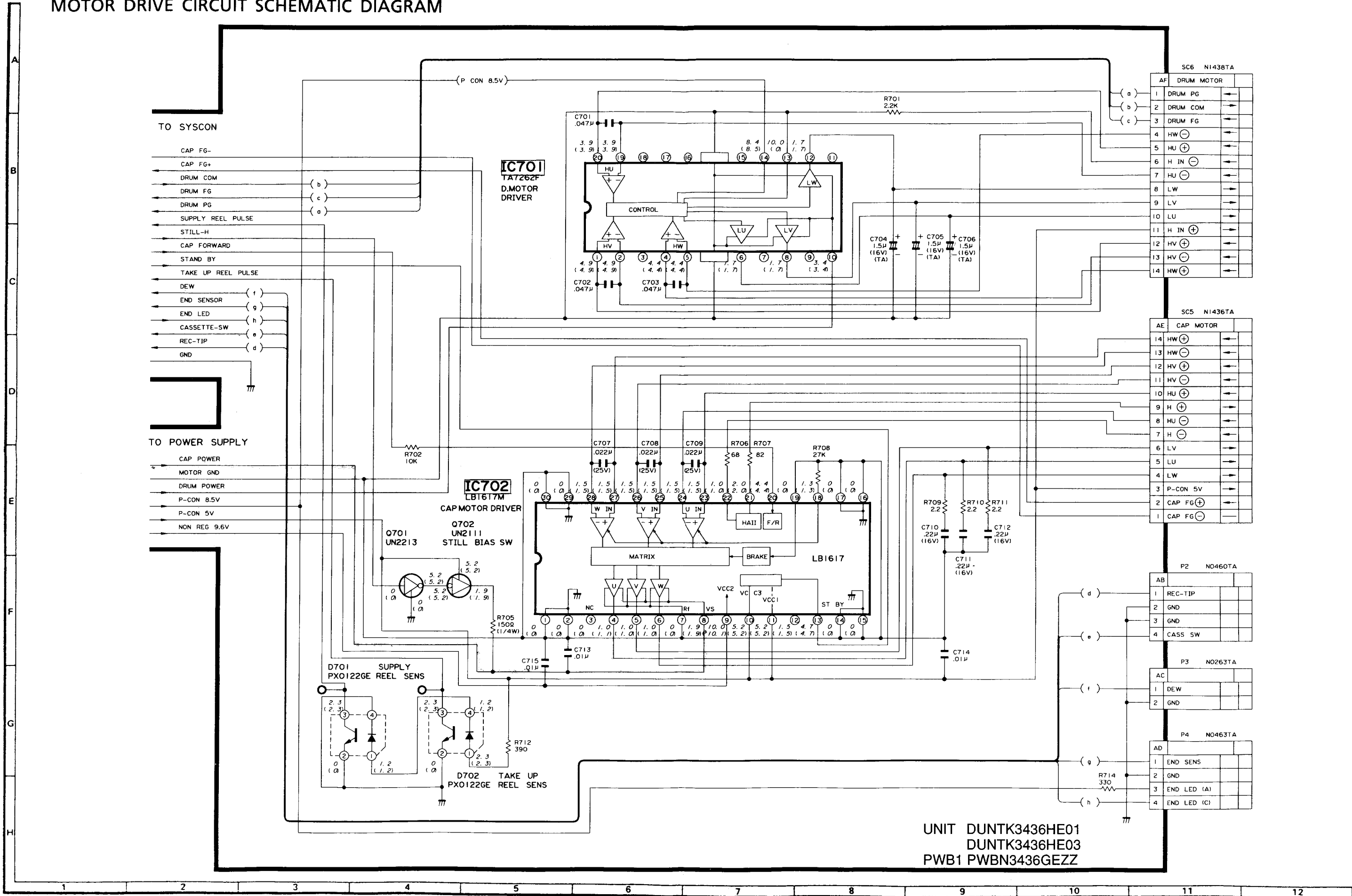
AG	VIDEO HEAD
12	RE (+)
11	RE (-)
10	GND
9	R1-F
8	R1-S
7	L1-F
6	L1-S
5	R2-F
4	R2-S
3	L2-F
2	L2-S
1	GND

UNIT DUNTK3436HE01
DUNTK3436HE03
PWB1 PWB3436GEZZ

Values in () are for the playback mode

VL-C780S H X VL-C780S H X
 VL-C7400E VL-C7400E
 VL-C690S H X VL-C690S H X
 VL-C6400E VL-C6400E

MOTOR DRIVE CIRCUIT SCHEMATIC DIAGRAM



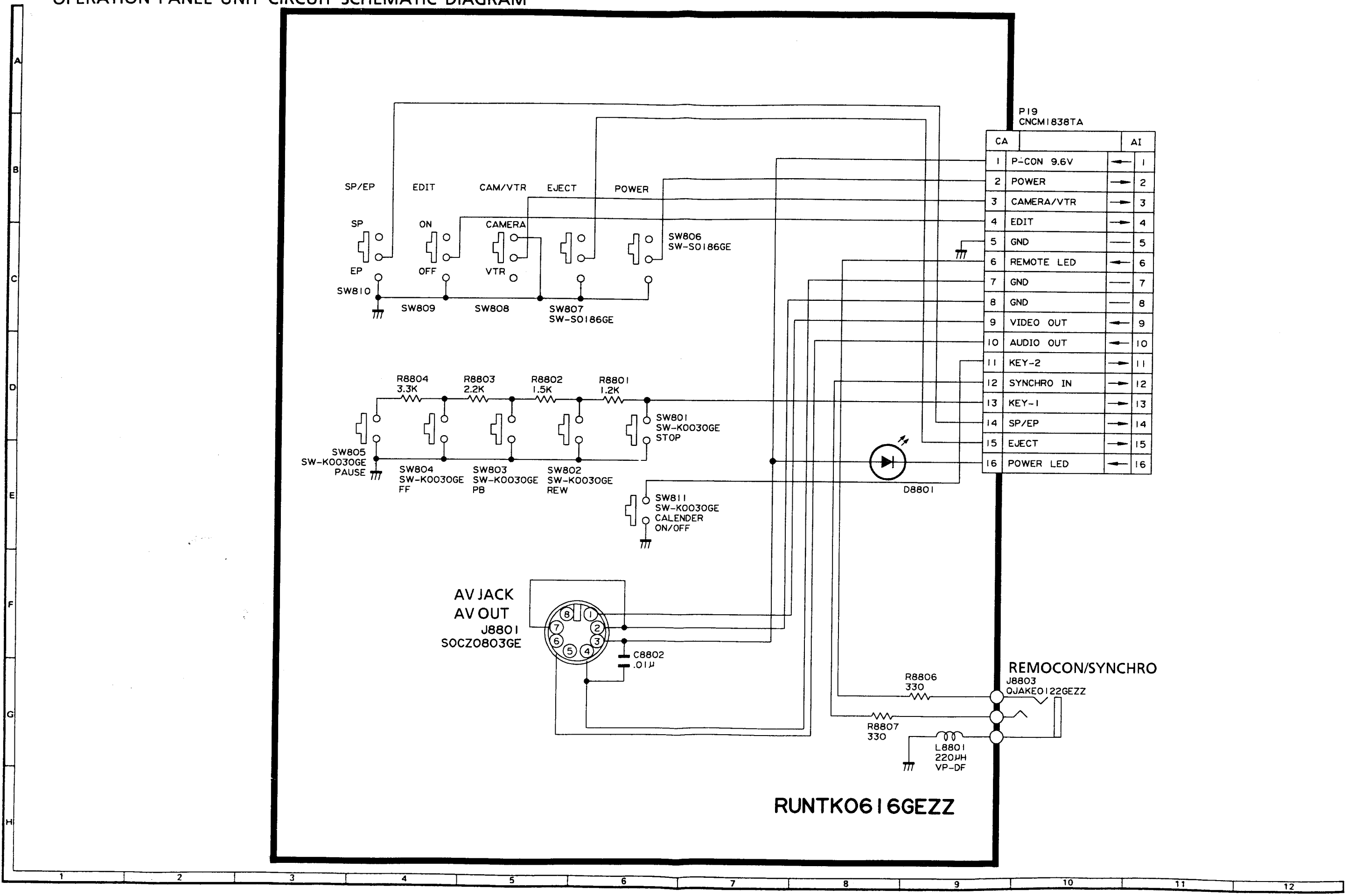
UNIT DUNTK3436HE01
 DUNTK3436HE03
 PWB1 PWBN3436GEZZ

Values in () are for the playback mode

VL C780S, H X
VL C7400E
VL C690S, H X
VL C6400E

VL C780S, H X
VL C7400E
VL C690S, H X
VL C6400E

OPERATION PANEL UNIT CIRCUIT SCHEMATIC DIAGRAM

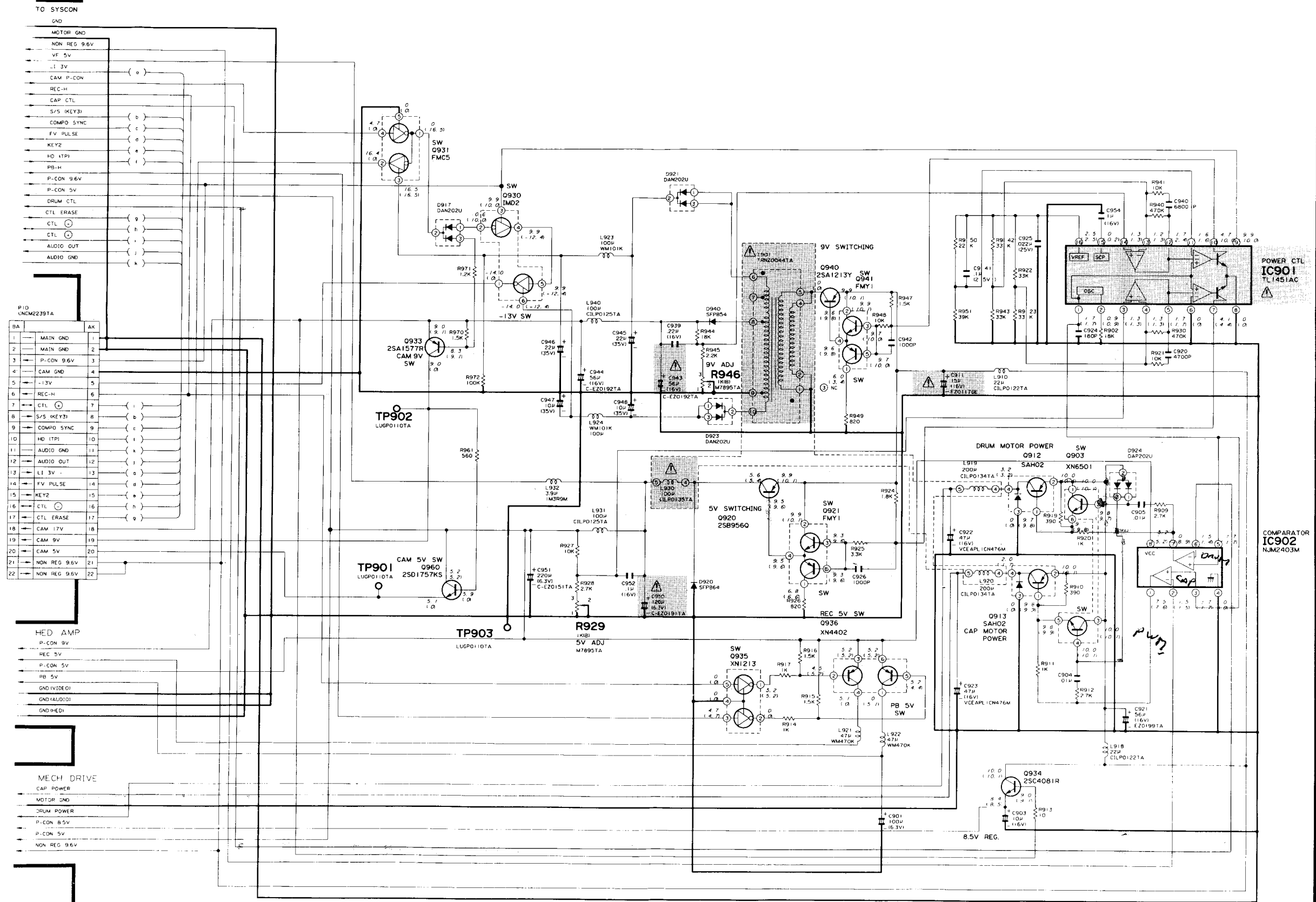


VL-C780S/H/X
 VL-C7400E
 VL-C690S/H/X
 VL-C6400E

VL-C780S/H/X
 VL-C7400E
 VL-C690S/H/X
 VL-C6400

POWER SUPPLY CIRCUIT SCHEMATIC DIAGRAM

▲ AND SHADED COMPONENTS = SAFETY RELATED PARTS



P10 UNCM2239TA

BA	AK
1	MAIN GND
2	MAIN GND
3	P-CON 9.6V
4	CAM GND
5	-13V
6	REC-H
7	CTL
8	S/S KEY3
9	COMPO SYNC
10	HD 17PI
11	AUDIO GND
12	AUDIO OUT
13	LI 3V
14	FV PULSE
15	KEY2
16	CTL
17	CTL ERASE
18	CAM 17V
19	CAM 9V
20	CAM 5V
21	NON REG 9.6V
22	NON REG 9.6V

DUNTK3436HE01 PWB1 QPWB3436GEZZ

Values in () are for the playback mode