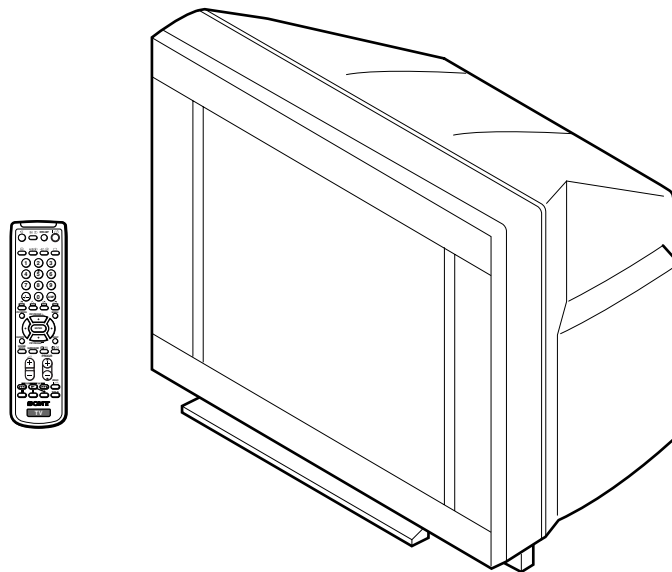


SERVICE MANUAL

AG-3E CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>	<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>
<i>KV-EX29K94</i>	<i>RM-965</i>	<i>Korea</i>	<i>SCC-U63A-A</i>				
<i>KV-EX34K94</i>	<i>RM-965</i>	<i>Korea</i>	<i>SCC-U63B-A</i>				



TRINITRON[®] COLOR TV
SONY[®]

SPECIFICATIONS

	KV-EX29K94	KV-EX34K94	Note
Power requirements	110-220 V AC, 60 Hz		
Power consumption (W)	Indicated on the rear of the TV		
Television system	M		
Color system	NTSC3.58		
Stereo/Bilingual system	Korean Stereo		
Channel coverage	VHF: 2 to 13 UHF: 14 to 69/ CATV: 1 to 125		
⏏ (Antenna)	75-ohm external terminal		
Audio output (Speaker)	8W + 8W		
Number of terminal			
Ⓜ (Video)	Input: 4 Output: 1		Phono jacks; 1 V _{p-p} , 75 ohms
♪ (Audio)	Input: 4 Output: 1		Phono jacks; 500 mVrms
Ⓜ (S Video)	Input: 2		Y : 1 V _{p-p} , 75 ohms, unbalanced, sync negative C : 0.286 V _{p-p} , 75 ohms
Ⓜ (Component Video) (DVD) IN	Input: 1		Phono jacks Y : 1 V _{p-p} , 75 ohms, sync negative C _B : 0.7 V _{p-p} , 75 ohms C _R : 0.7 V _{p-p} , 75 ohms Audio : 500 mVrms
🎧 (Headphones)	Output: 1		Stereo minijack
Picture tube	29 in	34 in	
Tube size (cm)	72	86	Measured diagonally
Screen size (cm)	68	80	Measured diagonally
Dimension (w/h/d, mm)	772 x 576 x 516	895 x 674 x 590	
Mass (kg)	51	79	

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK \triangle ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>	<u>Section</u>	<u>Title</u>	<u>Page</u>
SELF DIAGNOSTIC FUNCTION		4	7. CIRCUIT ADJUSTMENTS		
1. GENERAL		7	7-1. Adjustments With Commander		37
2. DISASSEMBLY			7-2. Adjustment Method		37
2-1. Rear Cover Removal		27	7-3. Picture Quality Adjustment		50
2-2. Speaker Removal		27	7-4. Deflection Adjustments		51
2-3. Chassis Assy Removal		27	7-5. A board Adjustment After IC003 (Memory)		
2-4. Service Position		27	Replacement		51
2-5. Replacement Of Parts		27	7-6. Picture Distortion Adjustment		52
2-5-2. Light Guide		27	8. DIAGRAMS		
2-5-1. Power Button		27	8-1. Block Diagrams		53
2-6. PWB And DH Boards Removal		28	8-2. Schematic Diagrams		60
2-7. Terminal Bracket Removal		28	(1) Schematic Diagrams of F1, J and VM Boards .		61
2-8. B3, P And D1 Boards Removal		28	(2) Schematic Diagram of A Board		63
2-10.H1 Board Removal		28	(3) Schematic Diagram D Board		67
2-9. A and D Boards Removal		28	(4) Schematic Diagram D1 Board		69
2-11. Picture Tube Removal		29	(5) Schematic Diagram B3 Board		71
3. SERVICE JIG			(6) Schematic Diagram of P Board		73
3-1. JIGS REQUIRED FOR SERVICING		30	(7) Schematic Diagram C Board		75
4. CIRCUIT BOARDS LOCATION		30	(8) Schematic Diagram H1 Board		77
5. ADVANCE OPERATION			(9) Schematic Diagram of BC4 Board		79
5-1. "RESET" FUNCTION		31	(10) Schematic Diagram DH Board		81
6. SET-UP ADJUSTMENTS			(11) Schematic Diagram BC Board		83
6-1. Beam Landing		32	8-3. Voltage Measurements		85
6-2. Convergence Adjustment		33	8-4. Waveforms		96
6-3. Focus Adjustment		35	8-5. Printed Wiring Boards and Parts Location		99
6-4. Neck Assy Twist adjustment		35	8-6. Semiconductors		111
6-5. G2 (Screen) And white balance adjustments		36	9. EXPLODED VIEWS		
			9-1. Speaker Bracket		113
			9-2. Chassis		114
			9-3. Picture Tube		115
			10.ELECTRICAL PARTS LIST		116

SELF DIAGNOSTIC FUNCTION

The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER lamp will automatically begin to flash.

The number of times the lamp flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER lamp flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

1. DIAGNOSTIC TEST INDICATORS

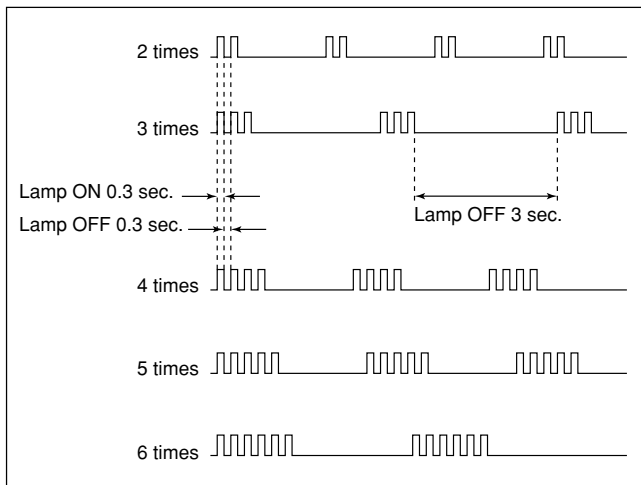
When an error occurs, the STANDBY/TIMER lamp will flash a number of times to indicate the possible cause of the problem. If there is more than one error, the lamp will identify the first of the problem areas.

Result for all of the following diagnostic items are displayed on screen. No error has occurred if the screen displays a "0".

Diagnostic Item Description	No. of times STANDBY/TIMER lamp flashes	Self-diagnostic display/Diagnostic result	Probable Cause Location	Detected Symptoms
• Power does not turn on	Does not light	—	<ul style="list-style-type: none"> • Power cord is not plugged in. • Fuse is burned out F1601 (F1 Board) 	<ul style="list-style-type: none"> • Power does not come on. • No power is supplied to the TV. • AC power supply is faulty.
• +B overcurrent (OCP)	2 times	002:000 or 002:001~255	<ul style="list-style-type: none"> • H.OUT Q6807 is shorted. • H.IN Q6810 is shorted. (D board) 	<ul style="list-style-type: none"> • Power does not come on. • Load on power line is shorted.
• +B overvoltage (OVP)	3 times	003:000 or 003:001~255	<ul style="list-style-type: none"> • PH 6602 faulty. • 10.5V is not supplied. (D board) 	<ul style="list-style-type: none"> • Power does not come on.
• Vertical deflection failure	4 times	004:000 or 004:001~255	<ul style="list-style-type: none"> • V.OUT IC6800 faulty • D6816 faulty • D6817 faulty • D6824 faulty • R6852 open • R6851 open (D board) 	<ul style="list-style-type: none"> • Vertical deflection pulse is stopped. • Vertical size is too small. • Vertical deflection stopped.
• White balance failure (no PICTURE)	5 times	005:000 or 005:001~255	<ul style="list-style-type: none"> • G2 is improperly adjusted. (Note 2) • CRT problem. • Video OUT IC9001, 9002, 9003 are faulty. (C board) • IC8306 (A board) and IC4301 (A board) are faulty. 	<ul style="list-style-type: none"> • No raster is generated. • CRT cathode current detection reference pulse output is small.
• Horizontal deflection failure	6 times	006:000 or 006:001~225	<ul style="list-style-type: none"> • C6831 is open circuit. (D board) 	<ul style="list-style-type: none"> • H pulse output is too high.
• Micro reset	—	101:00 or 101:001~225	<ul style="list-style-type: none"> • CRT Discharge (C Board) • Static discharge • External noise 	<ul style="list-style-type: none"> • Power is shut down shortly, after this return back to normal. • Detect Micro latch up.

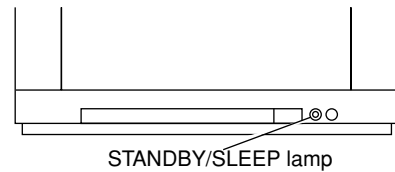
Note 1: Refer to screen (G2) Adjustment in section 6-5 of this manual.

2. DISPLAY OF STANDBY/TIMER LIGHT FLASH COUNT



Diagnostic Item	Flash Count*
+B overcurrent	2 times
+B overvoltage	3 times
V deflection stop	4 times
White balance failure	5 times
Horizontal Deflection Failure	6 times

* One flash count is not used for self-diagnostic.



3. STOPPING THE STANDBY/TIMER FLASH

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER lamp from flashing.

4. SELF-DIAGNOSTIC SCREEN DISPLAY

For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes out" that cannot be confirmed, it is possible to bring up past occurrences of failure for confirmation on the screen:

[To Bring Up Screen Test]

In standby mode, press buttons on the remote commander sequentially in rapid succession as shown below:

Screen display → channel [5] → Sound volume [-] → Power ON
↑

Note that this differs from entering the service mode (mode volume [+]).

Self-Diagnosis screen display

SELF DIAGNOSTIC	
002 : 000 ←	Numeral "0" means that no fault has been detected.
003 : 000	
004 : 000	
005 : 001 ←	Numeral "1" means a fault has been detected.
006 : 002 ←	Numeral "2" means two faults have been detected.
101 : 000	

5. HANDLING OF SELF-DIAGNOSTIC SCREEN DISPLAY

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to "0".

Unless the result display is cleared to "0", the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

[Clearing the result display]

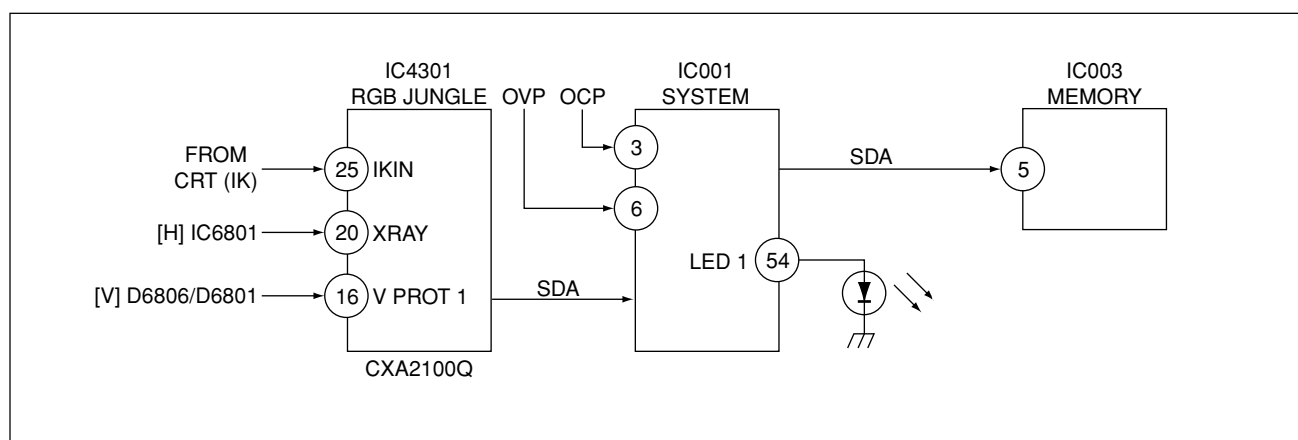
To clear the result display to "0", press buttons on the remote commander sequentially as shown below when the diagnostic screen is being displayed.

Channel [8] → 0

[Quitting Self-diagnostic screen]

To quit the entire self-diagnostic screen, turn off the power switch on the remote commander or the main unit.

6. SELF-DIAGNOSTIC CIRCUIT



+B overcurrent (OCP)

Occurs when an overcurrent on the +B(135) line is detected by Q6610 and Q6609.

If Q6610 and Q6609 go to ON, the voltage to the pin3 of IC001 go to UP. The unit will automatically turn off.

+B overvoltage (OVP)

Occurs when an overvoltage on the +B(135) line is detected by D6635, Q6611 and Q6612. If Q6611 and Q6612 go to ON, the voltage to pin6 of IC001 go to UP. The unit will automatically turn off.

Vertical deflection failure

Occurs when an absence of the vertical deflection pulse is detected by Q6811, Q6819, Q6820, Q6821 and D6801. Shut down the power supply.

White balance failure

If the RGB levels do not balance or become low level within 5 seconds. This error will be detected by IC4301. TV will stay on, but there will be no picture.

High voltage protector of Horizontal Deflection

Occurs when an overvoltage of horizontal pulse is detected by D6809 and IC6801.



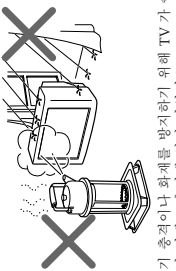
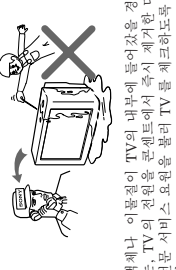
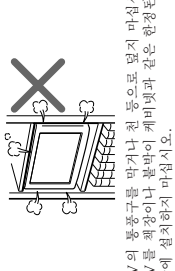
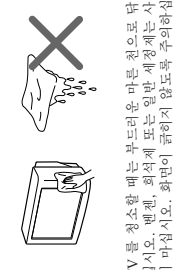
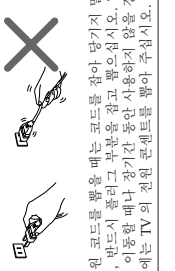

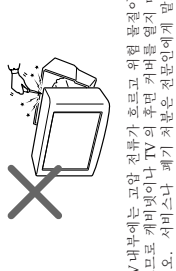
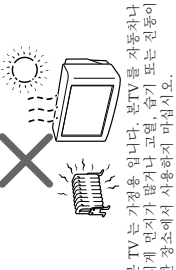
If the voltage of 7 pin of IC6801 goes to High, the voltage to pin20 of IC4301 go to UP. The unit will automatically turn off.

SECTION 1 GENERAL

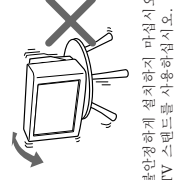

The operating instruction mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

경고

- TV 내부에는 위험한 고전압 물질이 있으므로 전기 충격을 받지 않도록 주의하시기 바랍니다.
- TV 사용 전압: 110-220 V AC.

 <p>번개가 칠 때는 전기 충격을 방지하기 위해 TV 나 전원 코드를 또는 안테나선을 만지지 마십시오.</p>	 <p>안전을 위하여 어린이를 TV 앞에 혼자 두지 마시기 바람에, 어린이가 올라가지 못하도록 하십시오.</p>
 <p>전기 충격이나 화재를 방지하기 위해 TV가 습기나 비에 노출되지 않게 하십시오.</p>	 <p>액체나 이물질이 TV의 내부에 들어갔을 경우에는, TV의 전원을 온/오프까지 즉시 제거한 다음 전문 서비스 요원을 불러 TV를 체크하도록 하십시오.</p>
 <p>TV의 통풍구를 막거나 천 등으로 덮지 마십시오. TV를 책상이나 물반이 깨버넷과 같은 불안정한 곳에 설치하지 마십시오.</p>	 <p>TV를 청소할 때는 부드러운 마른 천으로 닦아 주십시오. 벤젠, 희석제 또는 알칼리 세정제는 사용하지 마십시오. 화염이 붙지 않도록 주의하십시오.</p>
 <p>전원 코드를 뽑을 때는 코드를 잡아 당기지 말고, 반드시 플러그 부분을 잡고 뽑으십시오. TV를 이동할 때나 장기간 동안 사용하지 않을 경우에는 TV의 전원 콘센트를 뽑아 주십시오.</p>	 <p>너무 많은 전기용품용 한 소켓에 같이 꽂지 마십시오. 전원 코드가 손상되지 않도록 주의하십시오.</p>
 <p>TV 내부에는 고압 전류가 흐르고 위험 물질이 있으므로 캐비닛이나 TV의 후면 커버를 열지 마십시오. 서비스나 폐기 처분은 전문인에게 맡겨 주십시오.</p>	 <p>본 TV는 가정을 염니다. 본TV를 자동차나 지나치게 뜨거운 햇빛이나 고열, 습기 또는 진동이 심한 장소에서 사용하지 마십시오.</p>

경고 (계속)

 <p>TV를 불안정하게 설치하지 마십시오. 올바른 TV 스탠드를 사용하십시오.</p>	 <p>TV에 물건을 올려 놓지 마십시오.</p>
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TV 사용하기

설치하기

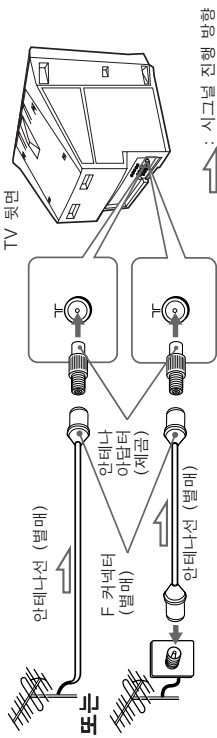
주의

- 모든 기기의 연결이 완전히 끝나지 않은 상태에서 전원코드를 꽂지 마십시오. 오전압의 경우 소량의 전기가 누설되어 안테나선과 기타 단자들을 통해 접촉으로 흐를 수 있습니다.
- 수입 동안 사용하지 않을 경우에는 건전지의 누출이나 리모콘의 손상을 방지하기 위하여 리모콘의 건전지를 제거하여 주십시오. 만약 건전지의 누출액이 신체에 묻는 경우에는 즉시 물에 씻으십시오.

1 단계

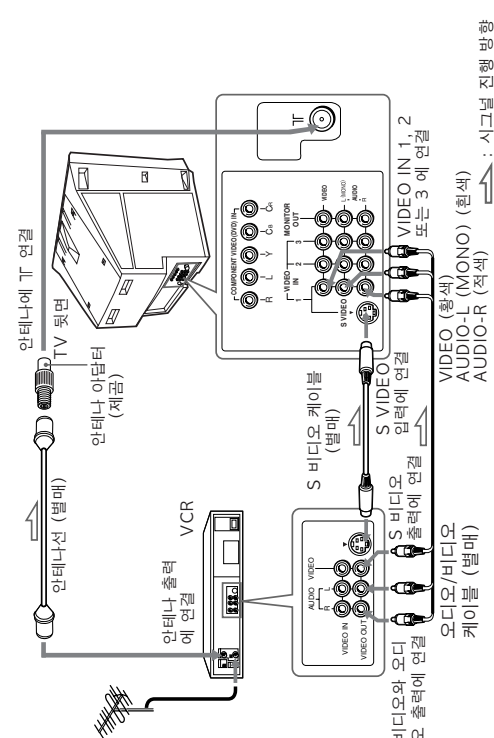
안테나 연결하기

VCR을 연결하려면 아래의 VCR 연결하기 그림 설명을 참조하십시오.



VCR 연결하기

비디오를 시청하려면 VIDEO를 누르십시오. (11 페이지 참조).



4 | TV 사용하기

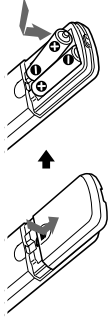
TV 사용하기

알아봅시다

- 모노럴 VCR을 연결한 경우, 황색 플라그를 VIDEO (황색제)에 연결하고 황색 플라그를 AUDIO-L (MONO) (흰색제)에 연결하십시오.
- VCR을 T (안테나) 단자에 연결할 경우, VCR의 출력 시그널을 TV 프로그래밍 0 번으로 설정하십시오.
- S VIDEO와 VIDEO IN 1 입력 단자가 모두 연결되어 있을 경우, S VIDEO 입력이 자동으로 선택됩니다. 비디오 입력을 VIDEO IN 1으로 지정하여 시청하려면 S 비디오 케이블을 제거하십시오.
- 연결한 비디오 기기에 시그널이 수신되지 않을 경우 TV 화면이 파란색으로 나타납니다.

2 단계

리모콘에 건전지를 삽입하십시오

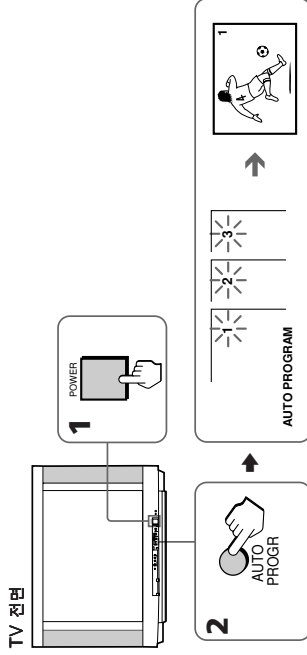


알아봅시다

- 오래된 건전지나 서로 다른 종류의 건전지를 함께 사용하지 마십시오.

3 단계

채널 자동 설정하기



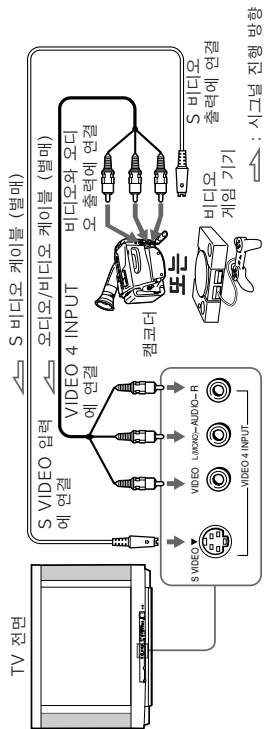
도움말

- 채널 자동설정장을 중지하려면, MENU (기능선택)를 누르십시오.
- 원하지 않는 채널이 설정되었거나 또는 특정의 채널을 설정할 수 없는 경우, TV를 수동으로 설정할 수 있습니다 (32 페이지 참조).

외부 기기 연결하기

VCR, 멀티 디스크 플레이어, DVD, 캠코더, 비디오 또는 스테레오 시스템 등의 오디오/비디오 콤포넌트를 연결할 수 있습니다.
연결된 기기로부터 비디오를 시청하려면 VIDEO를 누르십시오 (11 페이지 참조).

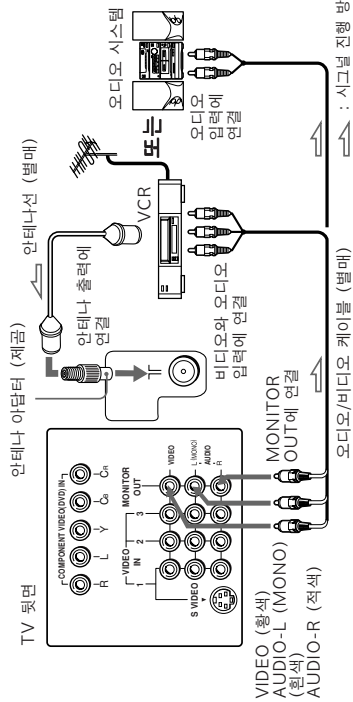
VIDEO 4 INPUT 잭에 캠코더/비디오 게임 기기 연결하기



알아들으시다

- S VIDEO 입력과 VIDEO 4 INPUT이 TV에 동시에 연결되어 있는 경우에는 S VIDEO 입력이 자동으로 선택됩니다. 비디오를 VIDEO 4 INPUT으로 시청하려면 S 비디오 케이블의 연결을 제거하십시오.
- 비디오 기기를 연결할 경우, "호민" 메뉴에서 "게임 모드"를 "켜짐"으로 설정한 후 비디오 게임에 적절한 화면으로 설정할 수 있습니다 (26 페이지 참조).
- 비디오 기기를 TV 후면의 VIDEO IN 1, 2 또는 3 잭에 연결할 수 있습니다.

MONITOR OUT 잭을 사용하여 오디오/비디오 기기 연결하기



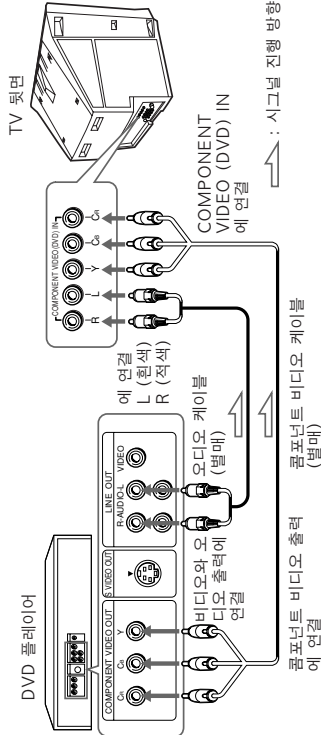
TV 사용하기

알아들으시다

- TV 화면에서 "DVD"를 선택할 경우, MONITOR OUT 잭에는 아무런 시그널도 출력되지 않습니다 (11 페이지 참조).

COMPONENT VIDEO (DVD) IN 잭을 사용하여 DVD 플레이어 연결하기

- 오디오 케이블을 사용하여, TV에 있는 COMPONENT VIDEO (DVD) IN 잭의 R과 L을 DVD 플레이어의 LINE OUT, AUDIO R과 L 출력 커넥터에 연결하십시오.
- 컴포넌트 비디오 케이블을 사용하여, TV에 있는 COMPONENT VIDEO (DVD) IN 잭의 Y, C_b 및 C_r를 DVD 플레이어의 COMPONENT VIDEO OUT Y, C_b 및 C_r 출력 커넥터에 연결하십시오.
- "DVD"가 화면에 나타날 때 까지 리모콘의 VIDEO 버튼 또는 TV의 TV/VIDEO 버튼을 누르십시오.



알아들으시다

- 사용자의 DVD 플레이어가 인터페이스 및 프로그래밍 모드 시그널을 출력할 수 있는 경우, TV의 (컴포넌트 비디오 출력)에 연결된 인터페이스 출력을 선택하십시오. TV가 수신할 수 있는 인터페이스 시그널은 525/60Hz 또는 625/50Hz 중 한가지입니다.
- DVD 플레이어에 따라서 터미널의 라벨이 다를 수도 있습니다:

연결할 색상 (DVD 플레이어에서)

Y (녹색)	Y
C _b (청색)	C _b , B-Y 또는 P _b
C _r (적색)	C _r , R-Y 또는 P _r

- TV의 COMPONENT VIDEO (DVD) IN 잭에 연결할 경우, 비디오 시그널을 수신하기 위해서는 Y, C_b 및 C_r를, 그리고 아날로그 오디오 시그널을 수신하기 위해서는 L과 R을 각각 연결하여야 합니다.

계속

TV 사용하기

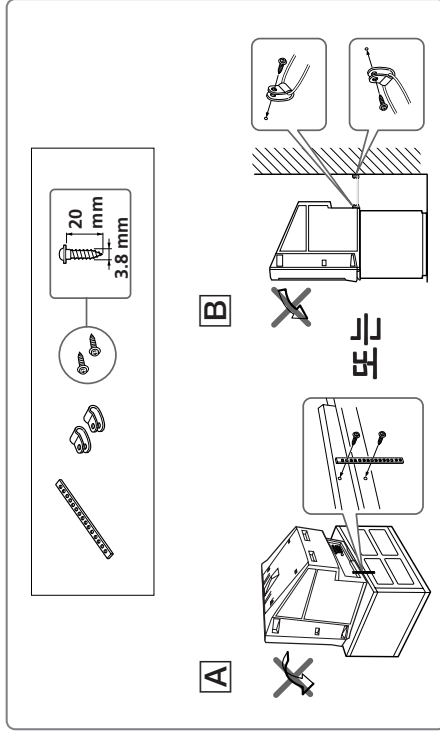
TV 안전 점검하기

TV가 넘어가지 않도록 다음의 방법중 하나로 TV를 고정시키십시오:

A 제공된 나사를 사용하여 TV 뒷면과 TV 스탠드에 나있는 구멍에 안전장치용 밴드를 고정시키십시오.

또는

B 점선에 코드나 고리줄을 끼운 다음 TV를 벽이나 기둥에 고정시키십시오.



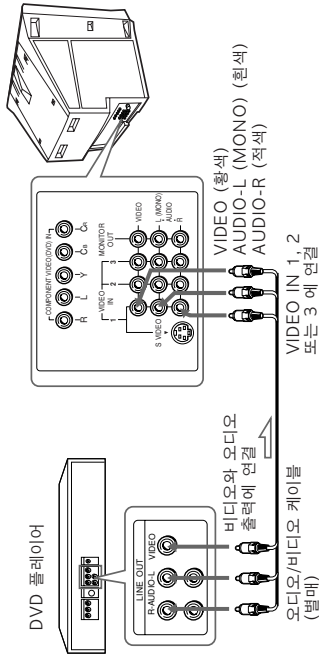
알아들시다

- 반드시 제공된 나사를 사용하십시오. 다른 종류의 나사를 사용하면 TV가 손상될 수도 있습니다.

외부 기기 연결하기 (계속)

VIDEO IN 1, 2 또는 3 잭을 사용하여 DVD 플레이어 연결하기

본 TV의 VIDEO IN 1, 2 또는 3 AUDIO/VIDEO 컨넥터를 DVD 플레이어의 LINE OUT에 연결하십시오.

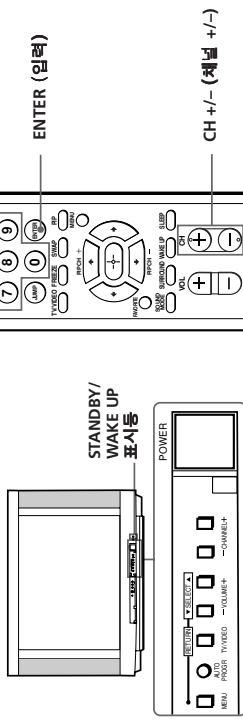


알아들시다

- DVD 디스크의 고화질 화면에 담긴 많은 정보 용량으로 인하여 화면에 잡음이 생길 수도 있습니다. 이럴 경우, "영상모드" 메뉴의 "사용자 조정 메뉴"에서 "신명 정도" ("신명도")를 조절하십시오 (27 페이지 참조).
- DVD 플레이어와 TV를 직접 연결하도록 하십시오. DVD 플레이어를 다른 비디오 기기를 통하여 연결할 경우 화면에 잡음이 생길 수도 있습니다.

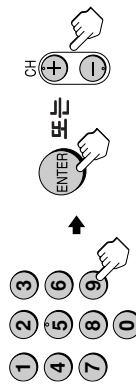
TV 시청하기

이 장은 TV 시청중에 사용되는 다양한 기능과 조작 방법에 대해서 설명합니다. 거의 모든 작동들을 리모콘으로 조작할 수 있습니다. 거의 모든 작동들을 리모콘으로 조작할 수 있습니다.



1 POWER 를 눌러 TV를 켭니다.
TV 가 스탠바이 모드에 있을 경우 (TV 에 있는 STANDBY 표시등이 빨간색으로 점등됨), 리모콘의 POWER (전원) 또는 TV의 CHANNEL +/- 버튼을 누릅니다.

2 채널 번호를 선택하려면, 숫자버튼을 누른 후 ENTER 를 누르거나 또는 CH +/- 버튼을 누르십시오.



알아들으십시오

- TV 를 켜를 때, 채널번호 또는 비디오가 약 40 초 동안 디스플레이 됩니다. 만약 "설정" 메뉴의 "에코모드"가 "잠금"으로 설정되어 있을 경우, 유에코모드 (Eco) 아이콘도 표시가 됩니다 (31 페이지 참조).

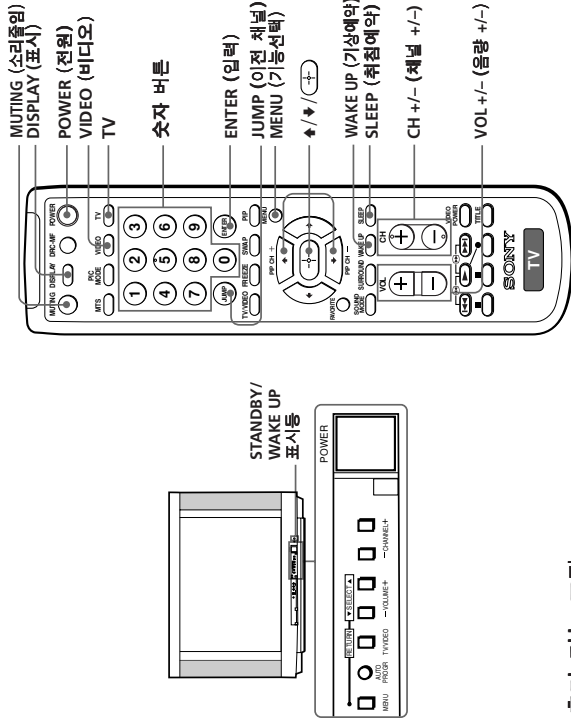
채널 번호를 신속하게 선택하려면

- CH +/- 를 누른 후, 누름 상태를 유지합니다.
- 원하는 채널이 나타나면 CH +/- 의 누름을 해제합니다.

알아들으십시오

- 채널을 신속히 선택할 경우 처음 화면에 잠음이 생길 수도 있습니다. 이것은 기능불량이 아닙니다.

TV 사용하기



추가 기능 조작

설명

조작 버튼	설명
리모콘의 POWER 버튼	리모콘의 POWER 버튼
TV 의 STANDBY 표시기가 빨간색으로 점등됩니다.	TV 의 STANDBY 표시기가 빨간색으로 점등됩니다.
완전히 끄려면	TV 의 POWER 버튼
음량을 조절하십시오	VOL +/- (음량 +/-) 를 누릅니다.
음정을 중지시키려면	MUTING (소리줄임) 를 누릅니다.
비디오를 시청하려면 (VCR, 캠코더 등)	VIDEO (또는 TV의 TV/VIDEO 버튼)를 눌러 "비디오1", "비디오2", "비디오3", "비디오4", 또는 "DVD"를 선택합니다. TV화면으로 돌아오려면, TV (또는 TV의 TV/VIDEO 버튼)를 누르십시오.
이전 채널 번호로 넘어갑니다.	JUMP (이전 채널) 를 누릅니다.
화면 정보를 디스플레이 하려면*	DISPLAY (표시) 를 누릅니다.


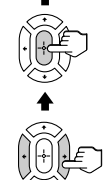
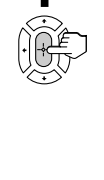
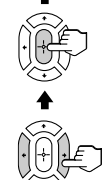
* 화질/음성 설정 내용, 그리고 채널번호 또는 비디오가 디스플레이 됩니다. 화면/음성 설정에 관한 정보는 8호 후에 지워집니다.

계속

TV 시청하기 (계속)

메뉴 언어 변경하기

메뉴 언어 및 화면 디스플레이 언어를 변경할 수 있습니다. 메뉴의 자세한 사용법에 대해서는 23 페이지의 “**메뉴 시스템에 대하여**”를 참조하십시오.

- 1 MENU (기능선택) 를 누릅니다.
 
- 2 ↑ 또는 ↓ 를 눌러 SETUP 아이콘 () 를 선택한 다음 음 (+) 를 누르십시오.
 
- 3 “언어선택/LANGUAGE” 를 선택한 다음 () 를 누릅니다.
 
- 4 ↑ 또는 ↓ 를 눌러 원하는 언어를 선택한 다음 (예: “ENGLISH”), () 를 누릅니다.
 

일반 화면으로 돌아오려면

MENU(기능선택) 를 누릅니다.

기상 시간 예약하기

- 1 원하는 시간이 나타날 때까지 WAKE UP (기상예약) 버튼을 누릅니다. 기상 시간 예약을 설정하면 곧바로 작동이 시작됩니다.



- 2 잠에서 깨어나 시청하고 싶은 채널 번호나 비디오를 선택하십시오.
- 3 TV 가 자동으로 꺼지게 하려면 POWER (전원) 를 누르거나 취침 타이머를 선택하십시오.
TV의 WAKE UP 표시기가 오렌지 색으로 점등됩니다.

기상시간 예약 해제하기

“기상예약: 깨짐” 가 화면에 나타날 때 까지 WAKE UP (기상예약) 버튼을 누르거나 TV의 전원을 끄십시오.

알아두십시오

- 기상시간 예약 설정으로 TV가 자동으로 켜진 후 2시간 동안 리모콘이나 TV의 아무런 조작 버튼도 누르지 않으면, TV가 자동으로 스탠바이 모드로 돌아갑니다. TV를 다시 시청하려면, 리모콘이나 TV의 아무런 조작 버튼을 누르십시오.

취침시간 예약하기

- 1 원하는 시간이 나타날 때까지 SLEEP (취침예약) 버튼을 누릅니다. 취침시간 예약을 설정하면 곧바로 작동이 시작됩니다.

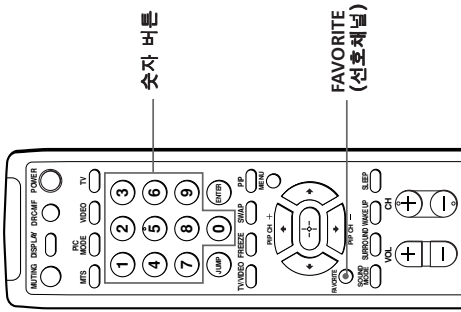


취침예약 해제하기

“취침예약: 깨짐” 가 화면에 나타날 때까지 SLEEP (취침예약) 버튼을 누르거나 TV의 전원을 끄십시오.

좋아하는 채널 시청하기

TV 화면에 6 개의 선호채널을 디스플레이하여 쉽고 빠르게 채널을 선택할 수 있습니다.



1 FAVORITE (선호채널) 을 누릅니다.



2 1 에서 6 까지의 숫자 버튼을 눌러 선호하는 채널 번호를 선택하십시오.



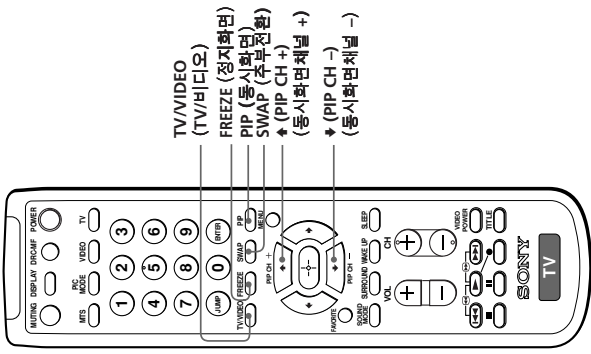
도움말

- 선호 채널을 프로그램하러면 32 페이지의 "채널번호 설정 조정하기 (CHANNEL SETUP)" 를 참조하십시오.

두 개의 프로그램을 동시에 시청하기

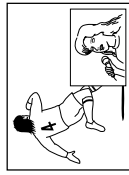
— 동시화면

픽처-인-픽처 ("동시화면") 기능을 사용하여, 부화면은 다른 TV 프로그램 또는 비디오의 주화면 내부에 디스플레이하여 동시에 시청할 수가 있습니다.



동시화면 화면 디스플레이

PIP (동시화면) 을 누릅니다.



일반 화면으로 돌아오려면

PIP (동시화면) 을 누릅니다.

()

PIP 가

TV
↑ (PIP CH +) (+)
↓ (PIP CH -) (-).

TV/VIDEO (TV/).

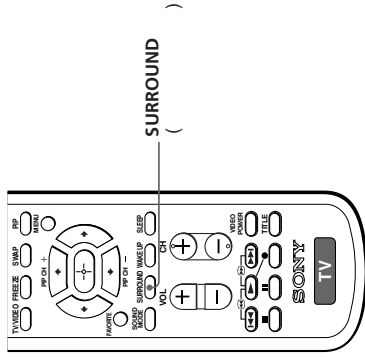
SWAP ().



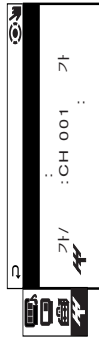
FREEZE ().

- (30) .
- (30) .

- , VCR



SURROUND ()



"TruSurround"

" "

- (28)

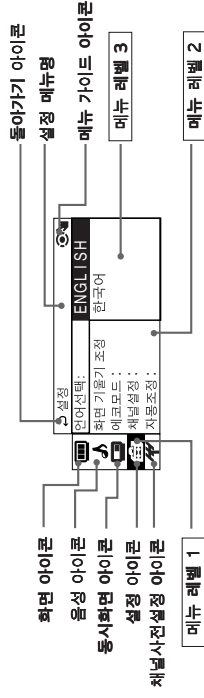
TV TruSurround

TruSurround™ SRS Labs, Inc.
가 SRS TruSurround
SRS Labs, Inc. SRS TruSurround
No. 4,748,669 4,841,572 가

메뉴 설정 안내 (MENU)

메뉴 시스템에 대하여

MENU 버튼을 눌러 메뉴로 들어간 다음 TV 의 설정 내용을 변경할 수 있습니다. 다음은 메뉴 시스템에 대한 설명입니다.



레벨 1	레벨 2	레벨 3 / 기능
"화면"	"DRC-MF"	"DRC-MF" 모드를 선택합니다: "DRCI050" → "PROGRESSIVE"
	"영상모드"	영상모드를 선택합니다: "생생한 화면" → "편안한 화면" → "고선명" → "사용자 조정 화면" → "선택조정"
	"선택조정"	"사용자 조정 화면" 옵션 조절: "화질" → "색상" → "합기" → "색 온도" → "선택모드"
	"오이드 모드"	화면의 크기를 변경합니다.
	"게임모드"	비디오 게임에 알맞는 화질로 설정을 조절하십시오.
	"음성모드"	음성모드를 선택합니다: "생생한 음성" → "드라마" → "부드러운 음성" → "사용자 조정 음성" → "선택조정".
"음성"	"선택조정"	"사용자 조정 음성" 옵션 조절: "저음" → "고음" → "음균형" → "BBE"/*
	"썸라운드 모드"	"썸라운드 모드"를 선택합니다: "TruSurround" → "깨짐".
	"인텔리진트 볼륨"	음량을 자동으로 조절합니다.
	"위치진택"	부화면의 위치를 변경시킵니다.
"동시화면"	"동시화면"	주화면 사이에 부화면을 디스플레이합니다.
	"주부진환"	주화면과 부화면을 교체합니다.

계속

메뉴 설정 안내 (MENU) | 23

외부 기기 조작하기 (계속)

리모콘으로 VCR 조작하기

설명	조작 버튼
전원 켜기/끄기	VIDEO POWER (비디오 전원).
녹음	● 을 누른 상태에서 ▶ 을 누릅니다.
재생	▶
정지	■
고속감기 (▶▶)	▶▶
테이프 되감기 (◀◀)	◀◀
일시 정지	
노멀 재생을 재시작하려면 다시 한번 누름.	▶▶
앞으로 (▶▶▶) /	▶▶▶ 또는 ▶▶▶
또는 뒤로 (◀◀◀) 화면 검색	◀◀◀ 또는 ◀◀◀
시요.	

리모콘으로 DVD 조작하기

설명	조작 버튼
전원 켜기/끄기	VIDEO POWER (비디오 전원).
재생	▶
정지	■
일시 정지	
디스크의 각 트랙을 단계별로 이동하려면	▶▶▶ 또는 ▶▶▶
다음 트랙으로 가려면 ▶▶▶ 를, 그리고 이전 트랙으로 가려면 ◀◀◀ 를 누릅니다.	
피요틀 메뉴 디스플레이	TITLE (제목).
메뉴 디스플레이	● 를 누른 상태에서 MENU(기능선택) 를 누릅니다.
메뉴 항목 선택	● 를 누른 상태에서 ▶/◀/▶/◀.

리모콘으로 MDP 조작하기

설명	조작 버튼
전원 켜기/끄기	VIDEO POWER (비디오 전원).
정지	▶
정지	■
일시 정지	
디스크의 각 트랙을 단계별로 이동하려면	▶▶▶ 또는 ▶▶▶
다음 트랙으로 가려면 ▶▶▶ 를, 그리고 이전 트랙으로 가려면 ◀◀◀ 를 누릅니다.	

리모콘으로 CD/MD 조작하기

설명	조작 버튼
전원 켜기/끄기	VIDEO POWER (비디오 전원).
정지	▶
정지	■
일시 정지	
이전/다음 트랙으로 가려면	▶▶▶ 또는 ▶▶▶
트랙내에서 고속 감기(▶▶▶)/	▶▶▶
고속 되감기 (◀◀◀)	◀◀◀ 또는 ◀◀◀

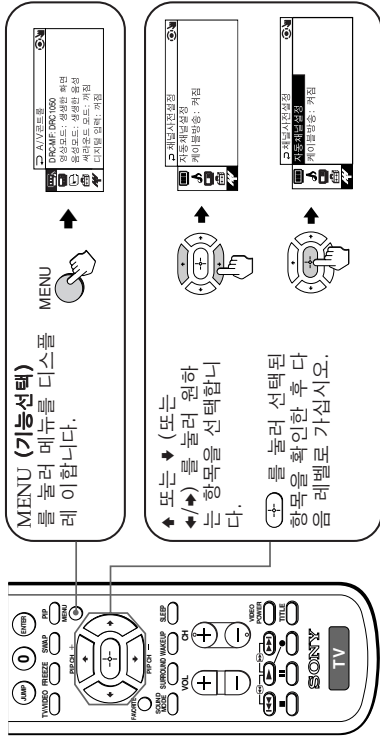
22 고급 조작

메뉴 시스템에 대하여 (계속)

레벨 1	레벨 2	레벨 3 / 기능
"채널사전설정" 	"언어선택" 메뉴 언어를 변경합니다: "ENGLISH" (한국어) → "한국어" "화면 기울기 조정" 화면을 회전 이동합니다. "에코모드" TV의 전력 소비를 감소시킵니다. "채널설정" 각 채널 번호의 설정을 조정합니다.	
"채널사전설정" 	"자동채널설정" 채널을 자동으로 사전설정합니다. "케이불방송" TV의 케이불 방송 시청	

* BBE는 BBE Sound, Inc.의 자격 허가 아래 Sony Corporation에 의해 제조되었으며, 미국 특허권 번호 4,638,258 및 4,482,866에 의거합니다.
"BBE"와 BBE 심플은 BBE Sound, Inc.의 등록상표입니다.

메뉴 사용법



추가 메뉴 조작법

설명	조작 버튼
설정값을 조절하려면	↔, ↗, ↘ 또는 ←, →
이전/다음 메뉴 레벨로 이동하려면	↔ 또는 ←, →
메뉴를 취소하려면	기능선택.

도움말

- 메뉴 레벨 2에서 메뉴 레벨 1로 가려면, 돌아가기 아이콘 (↶)이 하이라이트될 때 까지 ↗ 또는 ↘를 누른 다음, (OK)를 누르십시오.
- 메뉴의 항목에 따라 리모콘의 버튼으로도 직접 작동이 가능합니다.
- TV에 있는 MENU, RETURN 및 SELECT ▼/▲ 버튼으로도 위의 조작이 가능합니다.

TV 전면

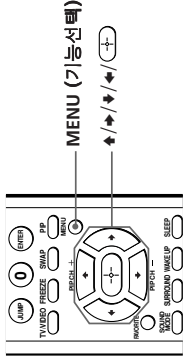


알아들시다

- 설정 중에 60 초 이상 아무런 내용도 입력이 되지 않을 경우, 메뉴가 자동으로 사라집니다.

"음성" 설정 변경하기

"음성" 메뉴를 사용하여 음성 설정을 조절할 수 있습니다.



1 MENU (기능선택) 를 누릅니다.

2 ↑ 또는 ↓ 를 눌러 "음성" 아이콘 (S) 을 선택한 후, (+) 를 누르십시오.

3 ↑ 또는 ↓ 를 눌러 원하는 항목 (예: "음성모드") 을 선택한 후, (+) 를 누르십시오

선택 모드 설명

"음성모드"

*"생생한 화면", "드라마", "부드러운 화면", "사용자 조정 화면" 또는 "선택조정"을 선택하십시오.

"썬라운드 모드"

*"TrueSurround" 또는 "꺼짐" 을 선택하십시오.

"인텔리전트 볼륨"

모든 채널과 비디오의 음량을 자동으로 조절합니다.
 ↑ 또는 ↓ 를 눌러 "꺼짐"을 선택한 후, (+) 를 누르십시오.
 설정을 취소하려면, "꺼짐"을 선택한 후, (+) 를 누르십시오.

*"사용자 조정 화면" 모드를 선택한 경우에는, "선택조정" 옵션에서 최후로 설정된 화면이 수신됩니다 (29 페이지 참조).

알아두세요

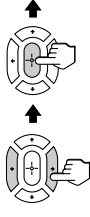
"음성모드" 및 "썬라운드" 에 대한 자세한 설명은 14 페이지와 19 페이지를 각각 참조하십시오.

일반 화면으로 돌아오려면

MENU (기능선택) 를 누릅니다.

"음성모드"의 "선택조정" 항목 조절하기

1 ↑ 또는 ↓ 를 눌러 원하는 항목 (예: "음균형") 을 선택한 다음, (+) 를 누릅니다.



음균형 00

2 아래 표를 참조하여 설정값을 선택한 다음, (+) 를 누릅니다.

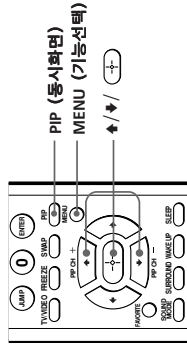
설정 항목	선택 모드	설명	선택 모드	설명
"저음"	저음을 감소시키고	저음을 강	저음을 강	
"고음"	고음을 감소시키고	고음을 강조합니다	고음을 강조합니다	
"음균형"	좌측 스피커의 음량을 증가시키고	우측 스피커의 음량을 증가시킵니다	우측 스피커의 음량을 증가시킵니다	
"BBE"	음색의 밝기를 높이려면 "고설정"을 선택하십시오; 음색의 밝기를 낮추려면 "저설정"을 선택하십시오; BBE 시운드를 끄려면 "꺼짐"을 선택하십시오.			

3 위의 단계를 반복하여 다른 항목들을 조절하십시오.
 조절된 설정은 "사용자 조정 음성"의 선택시에 수신이 됩니다.

도움말

- 메뉴 시스템에 대한 자세한 설명과 메뉴의 사용 방법은 23 페이지의 "메뉴 시스템에 대하여" 를 참조하십시오.

"동시화면" 설정 변경하기

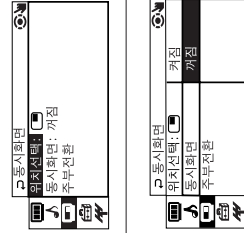


"동시화면" 기능을 사용하여 부화면을 디스플레이하거나 위치를 변경 또는 주 화면과 부화면을 서로 전환시킬 수 있습니다.

1 MENU (기능선택) 를 누릅니다.

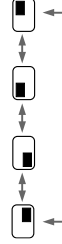
2 ↑ 또는 ↓ 를 눌러 "동시화면" 아이콘 (동시화면) 을 선택한 후, (+) 를 누르십시오.

3 ↑ 또는 ↓ 를 눌러 원하는 항목 (예: "동시화면") 을 선택한 후, (+) 를 누르십시오.



선택 모드
"위치전편"

화면의 위치를 변경합니다.
 ↓ 또는 ↑ 를 눌러 원하는 위치를 선택한 다음, (+) 를 누릅니다.



"동시화면"

부화면을 주화면 안에 디스플레이 합니다.
 ↓ 또는 ↑ 를 눌러 "꺼짐"을 선택한 다음 (+) 를 누릅니다.
 동시화면을 취소하려면 PIP (동시화면) 를 누르거나 "꺼짐"을 선택한 다음 (+) 를 누릅니다.

"주부진행"

주화면과 부화면의 프로그램을 서로 바꿉니다.

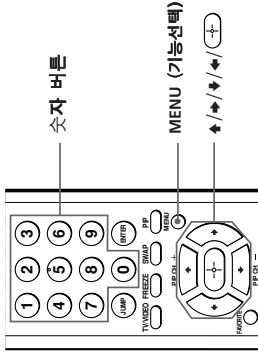
일반 화면으로 돌아오려면

MENU (기능선택) 를 누릅니다.

도움말

- 메뉴 시스템에 대한 자세한 설명과 메뉴의 사용 방법은 23 페이지의 "메뉴 시스템에 대하여" 를 참조하십시오.

"설정" 내용 변경하기

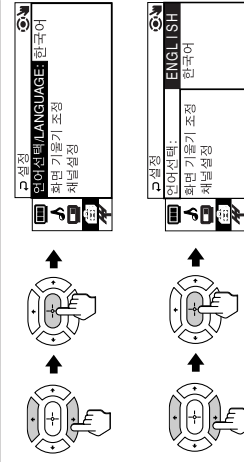


"설정" 메뉴를 사용하여 메뉴 언어의 변경, 화면의 위치 조절 및 채널 번호의 설정을 조절할 수 있습니다.

1 MENU (기능선택) 를 누릅니다.

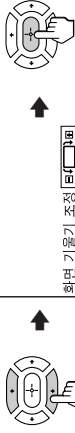
2 ↑ 또는 ↓ 를 눌러 "설정" 아이콘 (설정) 을 선택한 후, (+) 를 누르십시오.

3 ↑ 또는 ↓ 를 눌러 원하는 항목 (예: "언어선택/LANGUAGE") 을 선택한 후, (+) 를 누르십시오.



선택 모드

"언어선택" 메뉴 언어를 변경합니다 (12 페이지의 "메뉴 언어 변경하기" 를 참조).
 위치가 TV 화면에 맞추어 정렬되도록 조절할 수 있습니다.
 ↓ 또는 ↑ 를 눌러 화면의 포지션을 조절한 후, (+) 를 누르십시오.



"에코모드"

TV의 전력 소비량을 줄여 에너지를 절약합니다.
 ↓ 또는 ↑ 를 눌러 "꺼짐"을 선택한 다음, (+) 를 누릅니다.
 취소하려면 "꺼짐"을 선택한 다음, (+) 를 누릅니다.

"채널설정"

채널 번호 설정을 조절하십시오 (32 페이지의 "채널번호 설정 조절하기 (채널설정)" 참조).

일반 화면으로 돌아오려면

MENU (기능선택) 를 누릅니다.

계속

"설정" 내용 변경하기 (계속)

채널번호 설정 조절하기 (채널설정)

- "설정" 메뉴에서 "채널설정" 을 선택하십시오.
 - "채널"을 선택한 후 (F) 를 누르십시오. 또는 (M) 을 눌러 조절하기를 원하는 채널번호를 선택한 후, (F) 를 누르십시오.
 - (M) 또는 (M) 을 눌러 원하는 항목 (예: "추가/삭제")을 선택한 후, (F) 를 누르십시오.
- | 선택 모드 | 설명 |
|-----------|--|
| "채널" | 원하는 채널 번호를 선택하십시오. |
| "추가/삭제" | 선택한 채널을 수동으로 사전설정 합니다.
(M) 또는 (M) 을 눌러 "추가"를 선택한 후, (F) 를 누르십시오.
사용하지 않거나 원하지 않는 채널을 잠그려면, "삭제"를 선택한 후, (F) 를 누르십시오. |
| "채널차단" | 특정의 채널을 어린이가 시청할 수 없도록 합니다.
(M) 또는 (M) 을 눌러 "차점"을 선택한 후, (F) 를 누르십시오.
잠금 심볼 (M) 이 화면에 나타납니다.
채널차단을 해제하려면, "차점"을 선택한 후, (F) 를 누르십시오.
차단된 채널을 자동 사전설정 하려면, 차단된 해당 채널이 해제됩니다. |
| "신호채널" | 여섯 개의 신호채널을 프로그래밍하여 직접 선택할 수 있습니다.
(M) 또는 (M) 을 눌러 여섯 개의 신호채널 중 하나를 선택한 후 (만약 아무런 내용도 변경하지 않고자 할 경우에는 "0"을 선택), (F) 를 선택하십시오.
설정된 신호채널을 확인하려면, 16 페이지를 참조하십시오. |
| "안테나감지모드" | TV 시그널이 너무 강하여 화면이 고르지 못할 경우, TV의 수신 감도도를 조절할 수 있습니다.
(M) 또는 (M) 을 눌러 "지설정"을 선택한 후, (F) 를 누르십시오.
설정을 취소하려면, "고원점"을 선택한 후, (F) 를 누르십시오. |

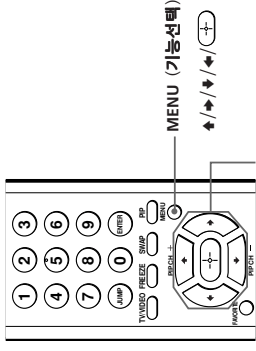
- 다른 채널 번호를 계속해서 조절하려면, (M) 또는 (M) 을 눌러 "채널"을 선택한 후, 2 단계와 3 단계를 반복하십시오.

일반 화면으로 돌아오려면

MENU (기능선택) 를 누릅니다.

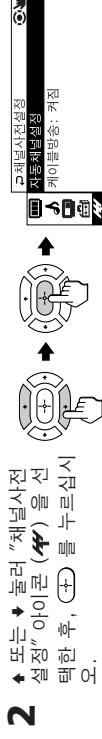
32 메뉴 설정 안내 (MENU)

"채널사전설정" 변경하기

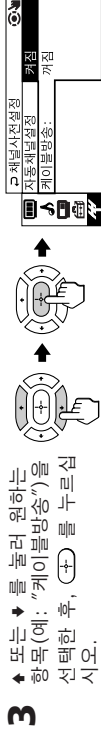


"채널사전설정" 메뉴를 사용하여 TV가 CABLE TV, VHF 또는 UHF 방송을 수신할 수 있도록 설정할 수 있습니다.

- MENU (기능선택) 를 누릅니다.



- (M) 또는 (M) 을 눌러 원하는 항목 (예: "케이블방송")을 선택한 후, (F) 를 누르십시오.



선택 모드 설명

- | | |
|----------|---|
| "자동채널설정" | 채널을 자동으로 사전설정합니다.
차단된 채널 번호 ("채널차단")를 자동 사전설정 하계되면, 그 채널의 차단이 해제됩니다 (32 페이지 참조). |
| "케이블방송" | 케이블 TV 프로그래밍을 수신합니다.
(M) 또는 (M) 을 눌러 "차점"을 선택한 후, (F) 를 누르십시오.
만약 케이블 방송 프로그래밍이 없을 경우에는, VHF 나 UHF 채널이 방송됩니다.
VHF 및 UHF 방송채널만 수신하려면, "OFF"를 선택한 후 (F) 를 누르십시오. |

일반 화면으로 돌아오려면

MENU (기능선택) 를 누릅니다.

도움말

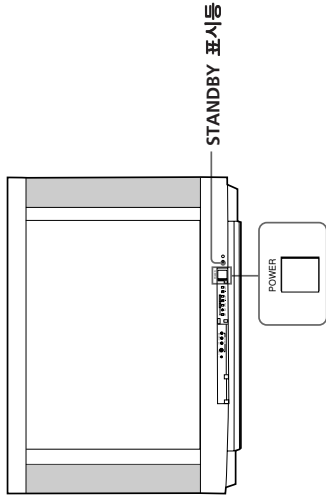
- 메뉴 시스템에 대한 자세한 설명과 메뉴의 사용 방법은 23 페이지의 "메뉴 시스템에 대하여"를 참조하십시오.

메뉴 설정 안내 (MENU) 33

설프-진단 기능

본 TV 는 설프-진단 기능을 가지고 있으며, TV 에 이상이 있을 경우 STANDBY 표시등이 빨간색으로 깜박이게 됩니다. STANDBY 표시등이 깜박이는 숫자에 의해 고장의 원인을 식별할 수 있습니다.

TV 전면



- 1** STANDBY 표시등이 약 3 초 간격을 두고 빨간색으로 수 차례에 걸쳐 걸쳐 깜박이는지 확인하십시오.
- 2** STANDBY 표시등이 깜박이는 숫자를 기록하십시오.
- 3** POWER 를 눌러 TV 의 전원을 끄십시오.
- 4** 가까운 소니 대리점에 연락하여 STANDBY 표시등이 깜박이는 숫자를 알려주십시오.
그리고 TV 의 뒷면에 명시되어 있는 모델명과 일련번호도 참고자료로 함께 알려주십시오.

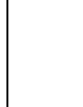



문제 해결


TV 시청 중에 문제가 발생할 경우 아래의 해결 방법을 참조하시기 바랍니다. 그래도 문제가 해결되지 않을 경우에는 가까운 소니 대리점에 연락하시기 바랍니다.

문제	원인	해결 방법	페이지
<p>화면이 좌우게 되고 자음이 나타나다</p>	<ul style="list-style-type: none"> 코드의 연결이 느슨하거나 케이블이 손상되었습니다. 채널 설정이 올바르게 설정되지 않았습니다. 	<ul style="list-style-type: none"> 안테나 케이블을 확인하고, TV 와 VCR 이 벽의 연결부에 제대로 연결이 되었는지 확인하십시오. 채널 설정을 다시 하십시오. 	4 32
<p>소리에 정음이 생긴다</p>	<ul style="list-style-type: none"> 안테나 타입이 올바르게 설정되지 않습니다. 안테나의 방향이 올바르게 설정되지 않습니다. 시그널의 전송 속도가 느립니다. 	<ul style="list-style-type: none"> 안테나의 타입 ("VHF"/"UHF") 을 확인하십시오. 또는 소니 대리점에 연락하여 조언을 요청하십시오. 안테나의 방향을 조정하십시오. 또는 소니 대리점에 연락하여 조언을 요청하십시오. 부스터를 사용해 보십시오. 	- -
<p>화면이 좌우로 넘어간다</p>	<ul style="list-style-type: none"> 방송 시그널이 너무 강합니다. 	<ul style="list-style-type: none"> "채널설정" 메뉴에서 "안테나감지 모드 : 저설정"로 설정을 하십시오. 부스터를 사용했을 경우, 전원을 끄거나 연결을 제거하십시오. 	32 -
<p>정음이나 줄이 생긴다</p>	<ul style="list-style-type: none"> 자동조나 배운사인, 레이 드라이어, 또는 컬러 발전기 등으로 인하여 진파의 수신에 방해가 생겼습니다. 	<ul style="list-style-type: none"> 헤어 드라이어나 기타 기기를 TV 와 근접한 곳에서 사용하지 마십시오. 자음이 최소한으로 줄어든도록 안테나의 방향을 조정하십시오. 그래도 해결이 안될 경우 소니 대리점에 연락하여 조언을 요청하십시오. 	- -
<p>화면이 안나온다</p>	<ul style="list-style-type: none"> 간원 코드, 안테나 또는 VCR 이 연결되지 않았습니다. 	<ul style="list-style-type: none"> 간원 코드, 안테나 또는 VCR 의 연결이 제대로 되었는지 확인하십시오. 	4
<p>소리가 안나온다</p>	<ul style="list-style-type: none"> TV 가 켜지지 않았습니다. 	<ul style="list-style-type: none"> POWER 버튼을 누르십시오. TV 의 POWER 버튼을 눌러 TV 를 끈 다음 약 5초 후에 다시 켜십시오. 	10 11

계속

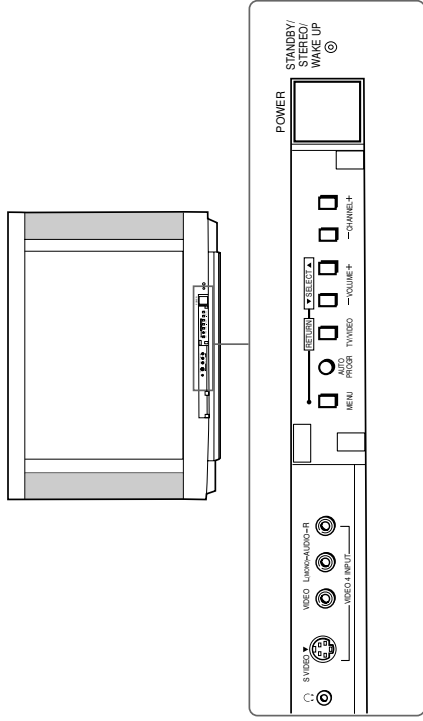
문제 해결 (계속)

문제	원인	해결 방법	페이지
<p>화면은 제대로 나오지만</p> <p>소리가 나오지 않는다</p> 	<ul style="list-style-type: none"> 음성 레벨이 너무 낮습니다. 음성이 소리 잠금 상태에 있습니다. 	<ul style="list-style-type: none"> VOL + (음량+) 또는 음량 VOLUME+를 눌러 음성이 커지게 하십시오. MUTING (소리잠금)을 눌러 소리 잠금을 해제하십시오. 	11
<p>이중 이미지 또는 "그림자"가 생김</p> 	<ul style="list-style-type: none"> 방송 시그널이 가까운 곳에 있는 산이나 건물에 반사되고 있습니다. 안테나의 방향이 올바르지 않습니다. 부스터를 사용하지 마십시오. 	<ul style="list-style-type: none"> 지향성이 강한 안테나를 사용하십시오. 안테나의 방향을 조절하십시오. 그래도 해결이 안될 경우 소니 대리점에 연락하여 조언을 요청하십시오. 부스터를 사용중인 경우 전원을 끄거나 연결을 제거하십시오. 	-
<p>색상이 고르지 않고 얼룩이 생김</p> 	<ul style="list-style-type: none"> 색상 레벨의 설정이 너무 낮습니다. 외장 스피커나 기타 전기 기기를 TV로 부터 멀리 떨어진 곳에 놓으십시오. 	<ul style="list-style-type: none"> "AV 콘트롤" 메뉴를 디스플레이한 후, "영상모드"에서 "신뢰조정"을 선택한 다음, "색상" 레벨을 조절하십시오. 안테나의 방향을 조절하십시오. 그래도 해결이 안될 경우 소니 대리점에 연락하여 조언을 요청하십시오. 	27
<p>색상이 고르지 않고 얼룩이 생김</p> 	<ul style="list-style-type: none"> 외장 스피커나 기타 기로부터 생긴 자기 방해 또는 대지의 자기 방해가 TV에 영향을 주고 있습니다. 	<ul style="list-style-type: none"> 외장 스피커나 외부 기기들을 TV로 부터 멀리 떨어진 곳에 놓으십시오. TV가 켜진 상태에서는 절대로 TV를 이동하지 마십시오. TV의 POWER 버튼을 눌러 TV의 전원을 끈 다음 약 15분 후에 다시 켜십시오. 	-
<p>TV가 스테레오 방송 시그널을 수신하지 못한다.</p> <p>스테레오 방송 사운드 센터가 다시 꺼지거나 제대로 나오지 않는다.</p> <p>또는</p> <p>사운드가 스테레오에서 모노로 빈번히 전환된다.</p>	<ul style="list-style-type: none"> 스테레오 수신 설정이 올바르게 설정되어 있지 않습니다. 연결이 느슨하거나 케이블이 손상되었습니까? 안테나의 방향이 올바르게 설정되어 있습니까? 안테나의 방향을 조절하십시오. 또는 소니 대리점에 연락하여 조언을 요청하십시오. 소리가 제대로 나올 때 까지 MTS (음성다중) 버튼을 누르십시오. 	<ul style="list-style-type: none"> "스테레오"가 화면에 나타날 때 까지 MTS (음성다중)를 누르십시오. 안테나 케이블을 확인하고, TV와 VCR이 벽의 연결부에 제대로 연결이 되었는지 확인하십시오. 안테나의 방향을 조절하십시오. 또는 소니 대리점에 연락하여 조언을 요청하십시오. 소리가 제대로 나올 때 까지 MTS (음성다중) 버튼을 누르십시오. 	20

문제	원인	해결 방법	페이지
<p>화면이 일시적으로 나타납니다</p> 	<ul style="list-style-type: none"> 외장 스피커나 기타 기로부터 생긴 자기 방해 또는 대지의 자기 방해가 TV에 영향을 주고 있습니다. TV에 고장이 있습니다. 	<ul style="list-style-type: none"> 외장 스피커나 외부 기기들을 TV로 부터 멀리 떨어진 곳에 놓으십시오. "설정" 메뉴를 디스플레이한 후 화면이 최적이 되도록 "화면위치선택"을 조절하십시오. 가까운 소니 서비스 센터에 연락하십시오. 	31
<p>사격 게임을 할 수 없다.</p>	<ul style="list-style-type: none"> 본 TV에서는 전자총이나 라이플을 사용하여 TV 화면에 라이플을 쏘면서 하는 사격 게임은 할 수 없습니다. 자세한 설명은 비디오 게임 소프트웨어에 포함된 사용 설명서를 참조하십시오. 	<ul style="list-style-type: none"> 가까운 소니 서비스 센터에 연락하십시오. 	34
<p>TV에서 비뚤거리는 소리가 난다.</p>	<ul style="list-style-type: none"> 실내 온도의 변화에 따라 TV 케이블이 팽창하고 수축하며, 이 때 비뚤거리는 소리가 날 수 있으나, 이것은 지극히 정상적인 현상입니다. 	<ul style="list-style-type: none"> --- 	-
<p>TV를 켤 때 "웅"하는 소리가 난다.</p>	<ul style="list-style-type: none"> TV의 자기 방지 기능이 작동하면서 나는 소리입니다. 이것은 정상적인 현상입니다. 	<ul style="list-style-type: none"> --- 	-

조절부에 대하여

TV 전면



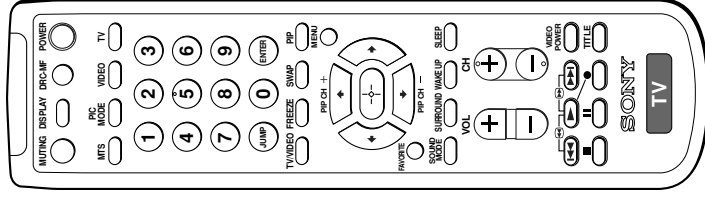
버튼	기능	페이지
AUTO PROGR	채널을 자동으로 사전설정합니다.	5
POWER	TV의 전원을 완전히 끄거나 켭니다.	10
CHANNEL +/-	채널 번호를 선택하십시오.	10
STANDBY	스탠바이 표시등	10
VOLUME +/-	음량을 조절합니다.	11
TV/VIDEO	TV 또는 비디오 입력을 선택합니다.	11
WAKE UP	알람 표시등	13
STEREO	스테레오/음성다중 표시등	20
메뉴 조작		
MENU	메뉴를 디스플레이합니다.	25
SELECT*/▲	항목을 선택 및 조절합니다.	25
RETURN	선택된 항목을 확인합니다.	25
⏏	헤드론트	-

알아들으십시오

- TV에 있는 TV/VIDEO, CHANNEL +/- 및 VOLUME +/- 버튼과 리모콘의 VIDEO (비디오), CH +/- (채널 +/-) 및 VOL +/- (음량 +/-) 버튼은 기능이 각각 동일합니다.

리모콘

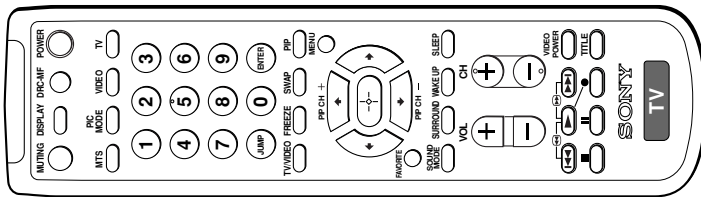
본 제품은 한글 표기 리모콘이 제공되므로, 소비자가 원하실 경우, 한글 리모콘 플레이트 뒷면의 점착테이프를 떼어 영문 리모콘 위에 부착하여 사용하십시오.



버튼	기능	페이지
0 - 9	숫자를 입력합니다.	10
ENTER (입력)	입력한 숫자를 실행시킵니다.	10
POWER (전원)	TV를 일시적으로 끄거나 켭니다.	10
CH +/- (채널 +/-)	채널번호를 선택합니다.	10
VOL +/- (음량 +/-)	음량을 조절합니다.	11
VIDEO (비디오)	TV 또는 비디오 입력을 선택합니다.	11
TV	TV 프로그램을 디스플레이합니다.	11
MUTING (소리줄임)	음장을 일시적으로 소거합니다.	11
DISPLAY (표시)	화면상의 정보를 디스플레이합니다.	11
JUMP (이전 채널)	이전 채널번호로 건너뛩니다.	11
타이머 조작		
WAKE UP (기상예약)	TV가 자동으로 커지도록 설정합니다.	13
SLEEP (취침예약)	TV가 자동으로 꺼지도록 설정합니다.	13
PIC MODE (영상모드)	음향 모드를 선택합니다.	14
SOUND MODE (음성모드)	음향 모드를 선택합니다.	14
DRC-MF	DRC-MF 모드를 선택합니다.	15
좋아하는 채널 저장하기		
FAVORITE (선호채널)	좋아하는 채널을 디스플레이합니다.	16
1 - 6	원하는 채널을 선택합니다.	16

계속

조절부에 대하여 (계속)

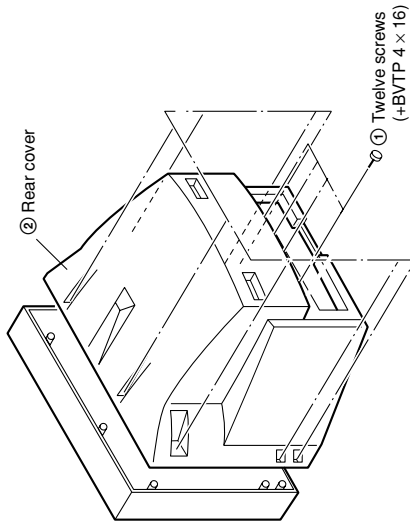


버튼	기능	페이지
PIP 조작 범위 PIP (동시화면) ▲ (PIP CH +) (동시화면채널 +), ▼ (PIP CH -) (동시화면채널 -)	부화면을 디스플레이합니다. 부화면의 프로그램을 변경합니다.	17 18
TV/VIDEO (TV/비디오)	부화면에 비디오를 디스플레이 합니다.	18
SWAP (주부전환)	주화면과 부화면을 서로 전환시킵니다.	18
FREEZE (정지화면)	부화면을 정지시킵니다.	18
SURROUND (싸라운드 모드)	싸라운드 모드를 선택합니다.	19
스테레오/음성다중 조작 MTS (음성다중)	스테레오/음성다중 모드를 선택합니다.	20
외부 기기 조작 비디오 전원	전원을 켜고 리모콘을 설정합니다.	21
0-9	리모콘을 설정합니다.	21
제목	타이를 메뉴를 디스플레이합니다.	22
▶▶	재생	22
▶▶▶	고속감기/앞으로 검색	22
◀◀	되감기/뒤로 검색	22
●	녹음	22
■	잠지	22
	일시정지	22
메뉴 조작 MENU (기능선택) ▲, ▼, ◀, ▶, (±)	메뉴를 디스플레이합니다. 항목의 선택 및 조절, 그리고 선택된 항목을 확인합니다.	25 25

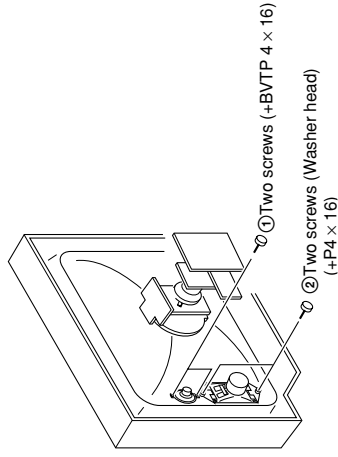
SECTION 2 DISASSEMBLY

2-1. REAR COVER REMOVAL

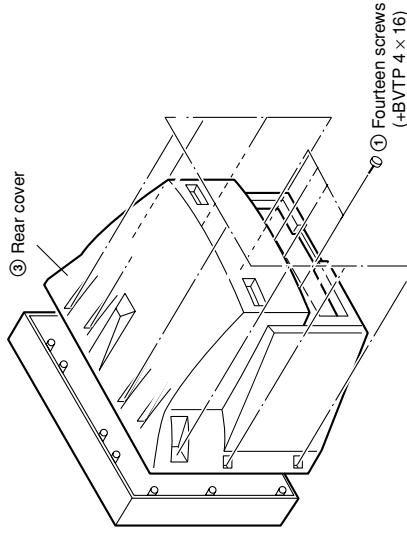
(i) KV-EX29 MODEL



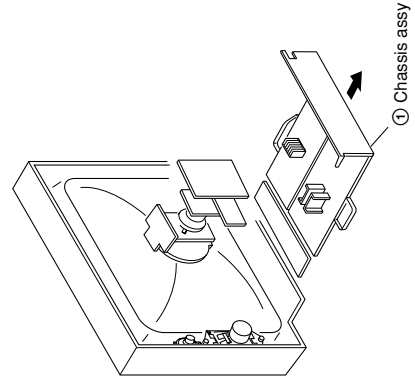
2-2. SPEAKER REMOVAL



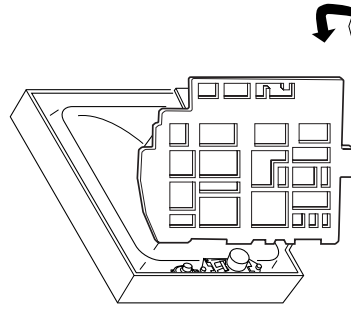
(ii) KV-EX34 MODELS



2-3. CHASSIS ASSY REMOVAL



2-4. SERVICE POSITION



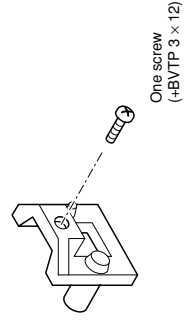
Note:

1. Disconnect the DGC connector from CN6603 (D board)
2. Disconnect Lead Assy Speaker (R) from Relay.
3. Undress necessary wires that creates tension while placing the chassis into Service Position.

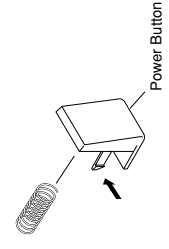
2-5. REPLACEMENT OF PARTS

For Power Button removal, push the claw in the direction of the arrow and remove.

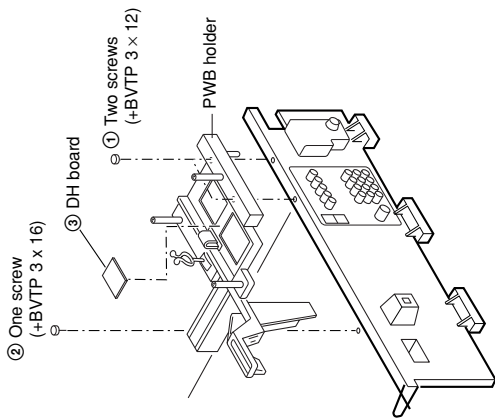
2-5-1. LIGHT GUIDE



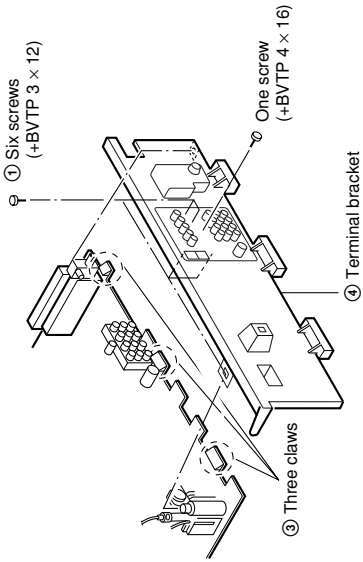
2-5-2. POWER BUTTON



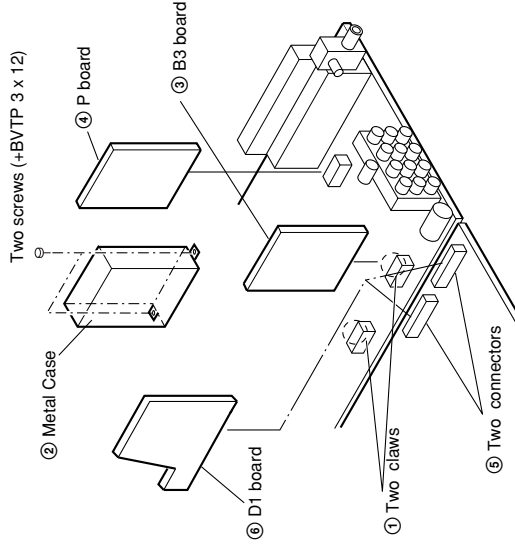
2-6. PWB AND DH BOARDS REMOVAL



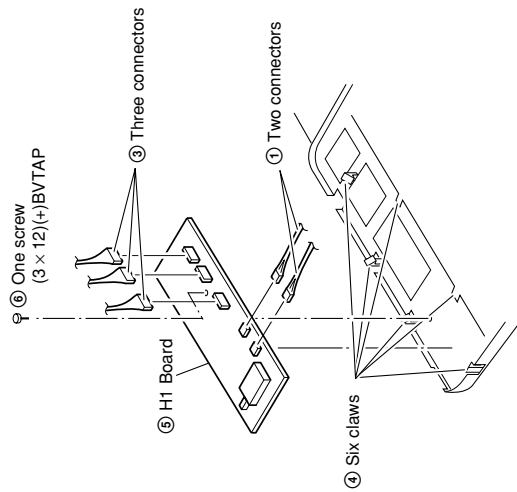
2-7. TERMINAL BRACKET REMOVAL



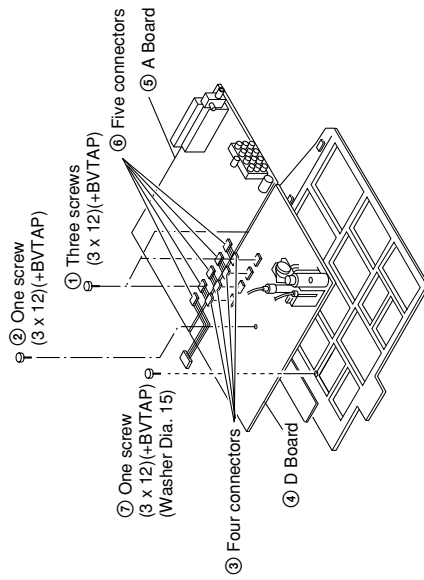
2-8. B3, P AND D1 BOARDS REMOVAL



2-9. H1 BOARD REMOVAL



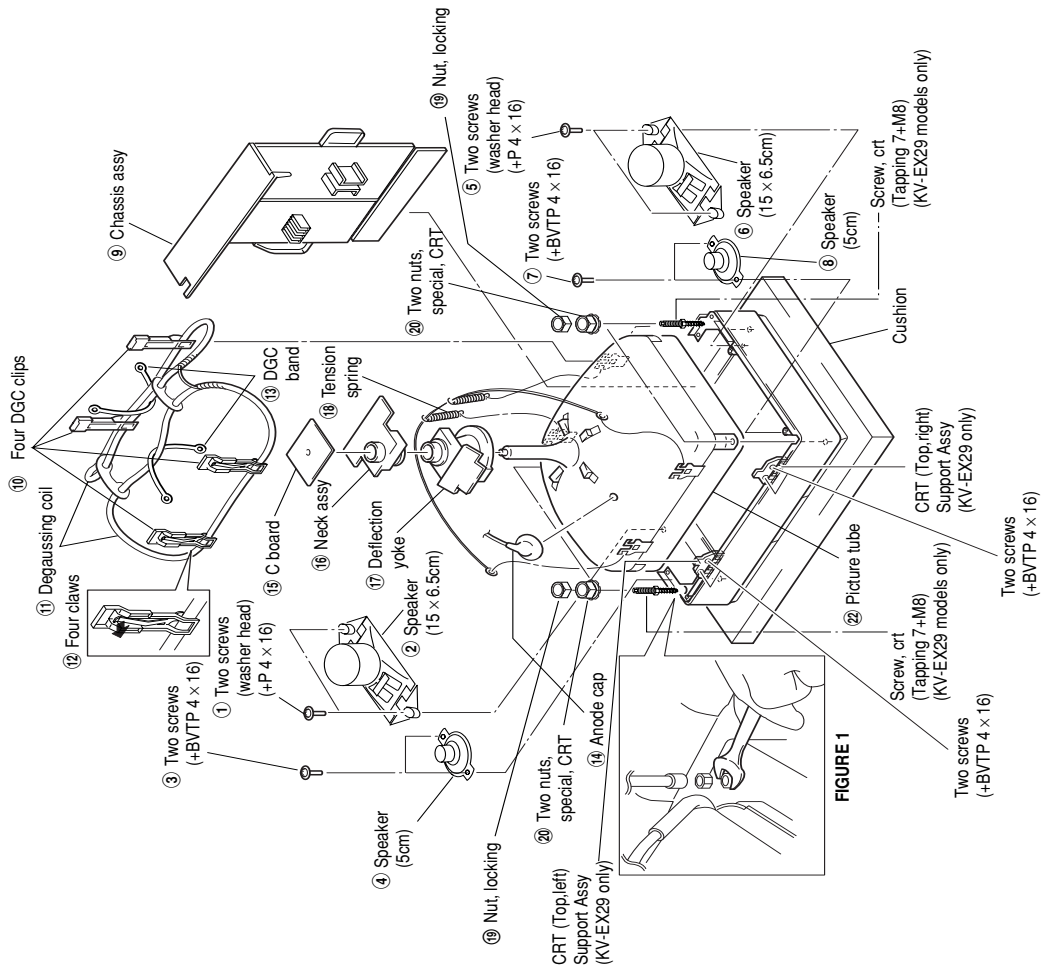
2-10. A AND D BOARDS REMOVAL



2-11. PICTURE TUBE REMOVAL

Note:

- i) When removing the Nut, Locking; first make sure to hold the screw, special CRT with a spanner (diameter 6) while opening the Nut, Locking using a spanner. Then proceed to remove the Nut, special CRT using a torque driver.
- ii) Remove all the necessary CRT supports located on top left and right, bottom left and right prior to removing the CRT.



• REMOVAL OF ANODE-CAP

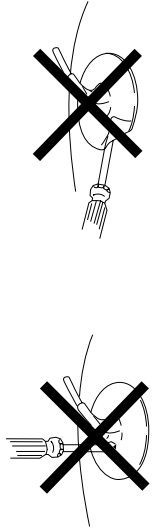
NOTE : After removing the anode, short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT.

• REMOVING PROCEDURES

- ① Turn up one side of the rubber cap in the direction indicated by the arrow ①.
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②.
- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ③.

• HOW TO HANDLE AN ANODE-CAP

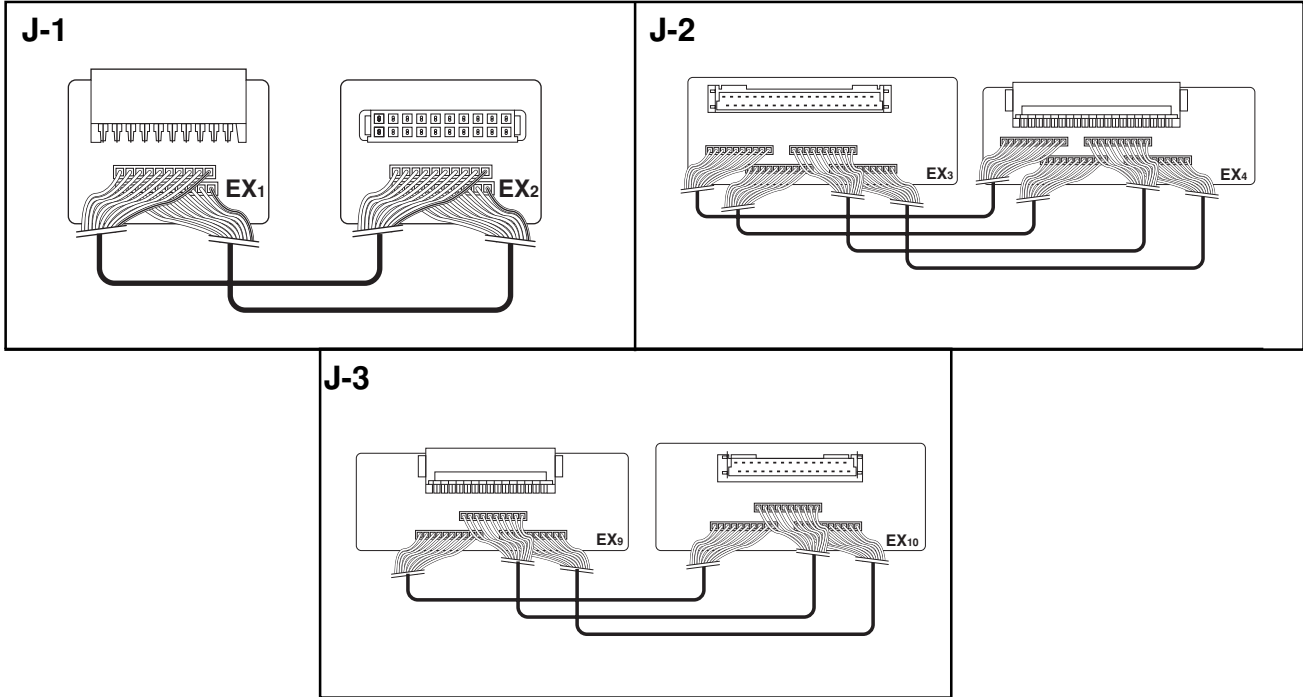
- ① Do not damage the surface of anode-caps with sharp shaped objects.
- ② Do not press the rubber too hard so as not to damage the inside of anode-cap. A metal fitting called the shatter-hook terminal is built into the rubber.
- ③ Do not turn the foot of rubber over too hard. The shatter-hook terminal will stick out or damage the rubber.



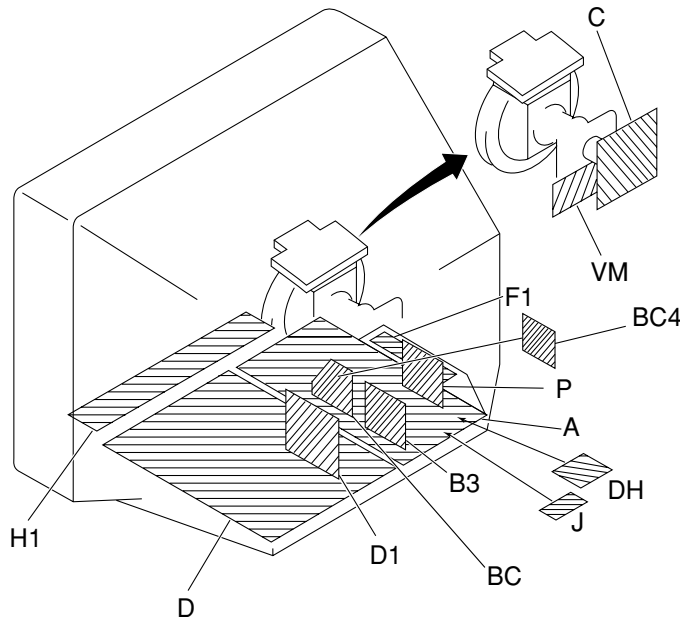
SECTION 3 SERVICE JIG

3-1. JIGS REQUIRED FOR SERVICING

REF NO.	DESCRIPTION	QUANTITY	PART NO.	REMARK
J-1	TOOL (20P), SERVICE	1	3-702-763-01	For A to V2 board extension For A to P board extension
J-2	TOOL (40P), SERVICE	1	3-702-764-01	For B3 to A board extension
J-3	TOOL (30P), SERVICE	2	3-702-773-01	For D to D1 board extension



SECTION 4 CIRCUIT BOARDS LOCATION



SECTION 5 ADVANCE OPERATION

5-1. "RESET" FUNCTION

1. Purpose

If a customer faces some setting problem that cannot be solved, using the "RESET" function some items will be reset to its original setting (shipping condition)

2. How to Operate

There are 2 ways to access to the "RESET" Function:-

- a) By pressing "RESET" button on the Remote Commander.
- b) By pressing "MENU" button or "SELECT" button (for non-menu models) on the Front Key Input and hold it down for 5 seconds.

3. Subsequent of Operation

Sequential to the resetting operation (either methods being used in No. 2), TV set would shut down once and automatically turn on again. The power-off duration is expected to be about 500msec. An OSD message, "RESET" tentatively will be displayed for 10 sec after IK status gets stable.

As a result, some items will be reset to an initial condition (shipment condition) whereas some other remains at the last selection by user.

Items that remains at the last selection by user

Program No., Favourite CH Setup, PIC rotation,
OSD Language, Fine tuning, TV System, Skip

Reset Items

Video input	RF	ECO mode	OFF
Volume	30	Antenna sensitivity	HIGH*
DRC-MF	DRC1050	Stereo mode	STEREO
Picture mode	DYNAMIC	Bilingual mode	MAIN*
Sound mode	DYNAMIC	Child lock	OFF*
Surround mode	OFF	Wide mode	OFF
Multi picture(PIP)	OFF	Game mode	OFF
PIP position	Bottom-right	Teletext mode	OFF (not used for these models)
Favourite CH mode	AUTO	Sleep timer	OFF
OSD recall	OFF	Wake-up timer	OFF
Intelligent volume	OFF	Sound muting	OFF

* = only when in RF mode

SECTION 6 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color-bar/Pattern Generator
2. Degausser
3. Oscilloscope

Controls and switches should be set as follows unless otherwise noted:

PICTURE control normal
BRIGHTNESS control normal

Perform the adjustments in the following order :

Preparation :

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

6-1. BEAM LANDING

1. Input a white signal with the pattern generator.
 Contrast } normal
 Brightness }
2. Position neck assy as shown in Fig6-1.
3. Set the pattern generator raster signal to a green raster.
4. Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side.
 (See Figures 6-1 through 6-3.)
5. Move the deflection yoke forward and adjust so that the entire screen is green. (See Figure 6-2.)
6. Switch the raster signal to blue, then to red and verify the condition.
7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws and DY spacers.
8. If the beam does not land correctly in all the corners, use a magnet to adjust it.
 (See Figure 6-4.)

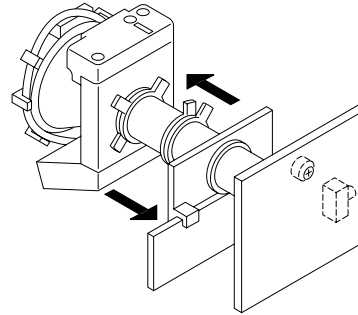


Fig. 6-2

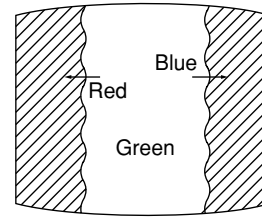


Fig. 6-3

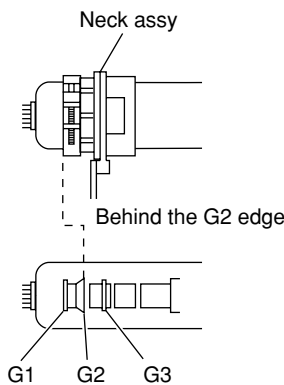


Fig. 6-1

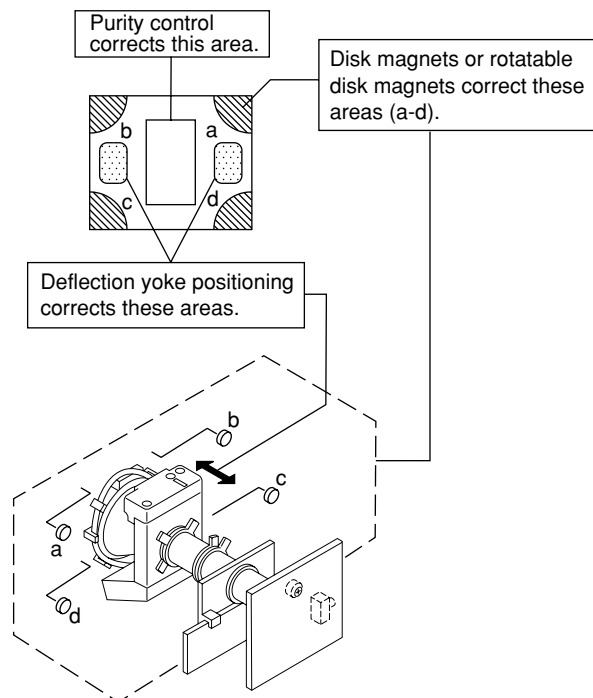


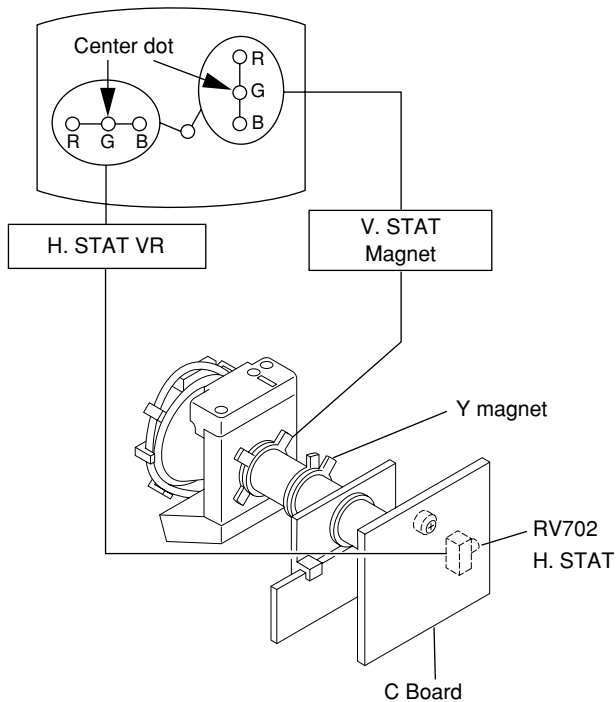
Fig. 6-4

6-2. CONVERGENCE ADJUSTMENT

Preparation :

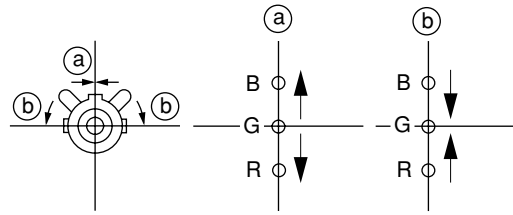
- Before starting this adjustment, adjust the focus, horizontal size and vertical size.
- Set the PICTURE 70% and BRIGHTNESS 0%.
- Cross hatch / Dot pattern.

(1) Horizontal and Vertical Static Convergence

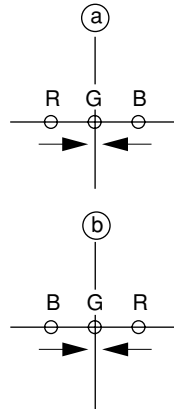


1. (Moving horizontally), adjust the H.STAT control so that the red, green and blue dots are on top of each other at the center of the screen.
2. (Moving vertically), adjust the V.STAT magnet so that the red, green and blue dots are on top of each other at the center of the screen.
3. Adjust Horizontal Trapezoid with "DAC 04 HTR" in Service Mode to make H-Trapezoid distortion best.
4. If the H.STAT variable resistor cannot bring the red, green and blue dots together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner given below. (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other, so be sure to perform adjustments while tracking.)

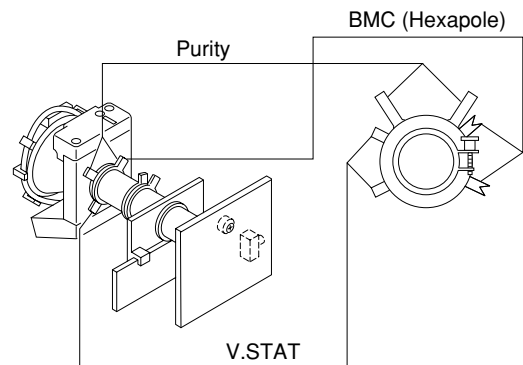
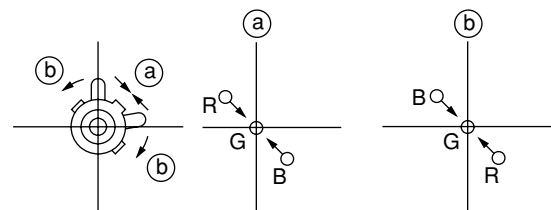
① V. STAT



② H. STAT VR

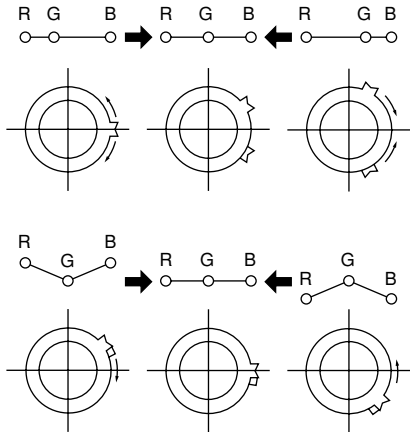


③



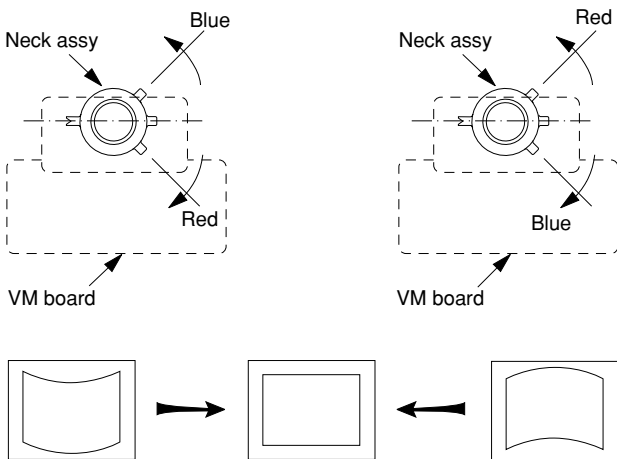
④ BMC (Hexapole) Magnet.

If the red, green and blue dots are not balanced or aligned, then use the BMC magnet to adjust in the manner described below.



⑤ Y separation axis correction magnet adjustment.

1. Receive the cross-hatch signal and adjust [PICTURE] to [MIN] and [BRIGHTNESS] to [STANDARD] .
2. Adjust the Y separation axis correction magnet on the neck assembly so that the horizontal lines at the top and bottom of the screen are straight.



Note

1. The Red and Blue magnets should be equally far from the horizontal center line.
2. Do not separate the Red and Blue magnets too far. (Less than 8 mm)

(2) Dynamic Convergence Adjustment

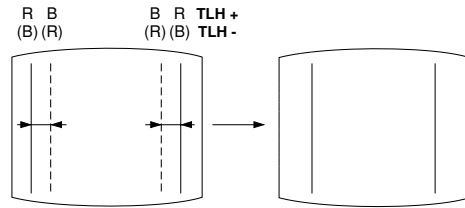
Preparation:

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence
- Set the PICTURE and BRIGHTNESS to normal.

1. Adjust TLH. (TLH convergence piece)

- ① Receive the dot/hatch pattern signal and adjust picture quality by the menu.
- ② Correct horizontal mis-convergence of red and blue of both sides on the X axis.

When red is outside insert TLH convergence piece to right side (TLH +) views from DY neck. And when blue is outside, insert it to left side (TLH -) and take both sides.



2. Adjust XCV core.

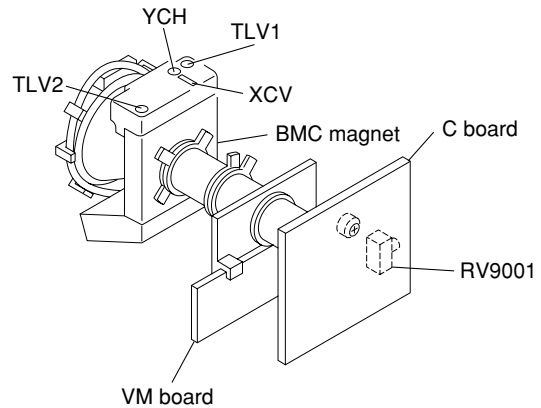
To able to become balance of XCV on the X axis well.

3. Adjust V-TILT.

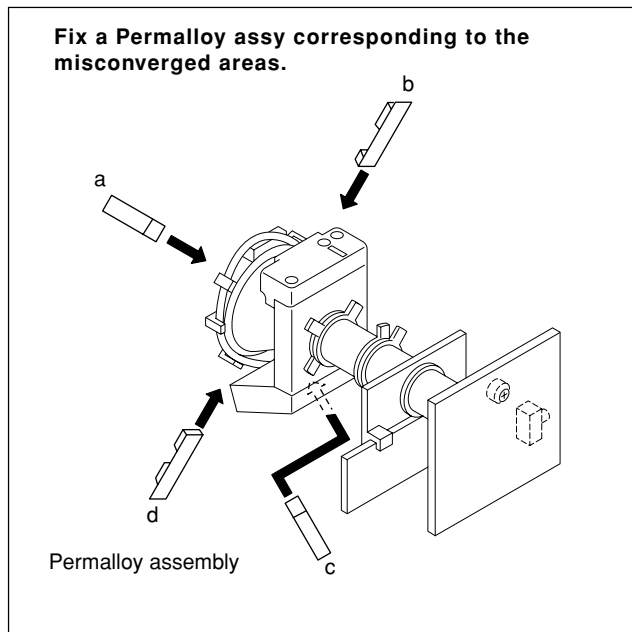
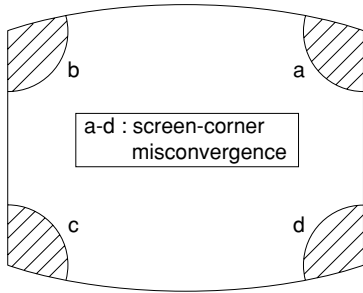
Correct the vertical mis-convergence of red and blue of vertically sides on the Y axis.

4. Adjust YCH.

Adjust horizontal mis-convergence of red and blue of vertically sides on the Y axis. Mentioned above steps 2 to 4 are adjusting respectively perform minuteness tracking.



(3) Screen-corner Convergence

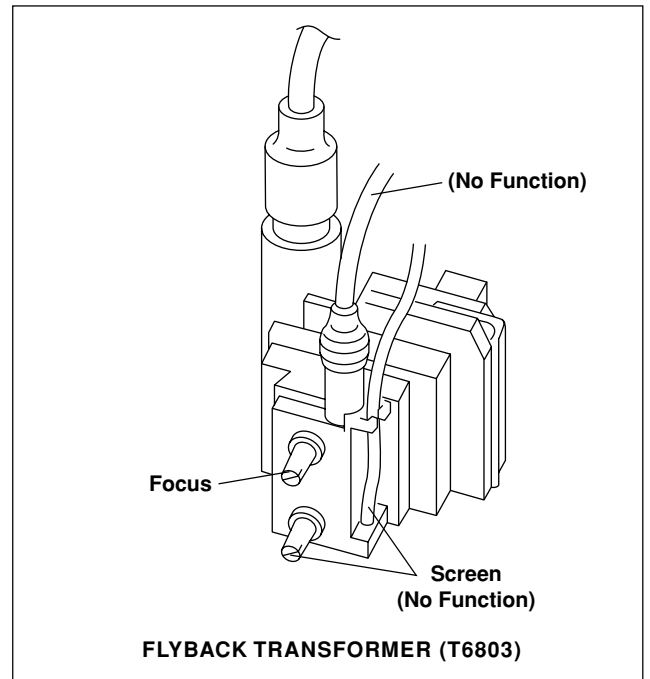


6-3. FOCUS ADJUSTMENT

Note

Focus adjustment should be completed before W/B adjustment.

- (1) Receive digital monoscope pattern.
- (2) Set "A/V CONTROL" to "STANDARD".
- (3) Adjust FOCUS VR so that the center of the screen becomes just focus.
- (4) Change the receiving signal to white pattern and blue back.
- (5) Confirm MAGENTA RING is not noticeable. In case MAGENTA RING is obvious, adjust FOCUS VR to balance between MAGENTA RING and FOCUS adjustment.



6-4. NECK ASSY TWIST ADJUSTMENT

- (1) Receive dot/hatch pattern DRC-MF, DRC1050, DYNAMIC.
- (2) Turn FOCUS VR fully counter-clockwise.
- (3) Confirm the dot shape at the screen center. (Fig. 6-4)
- (4) Resume FOCUS VR.

Note

In case of turning NECK ASSY, loosen the screw 3 turns. Do not move the position.

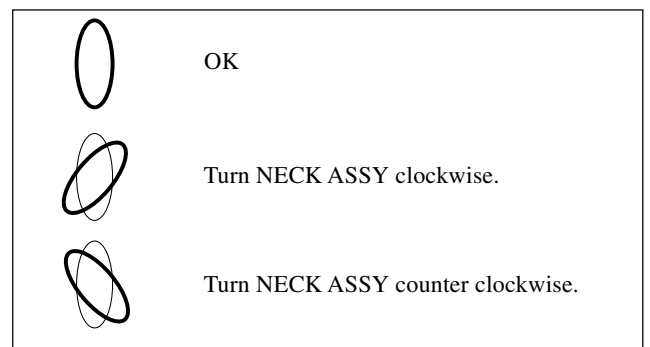
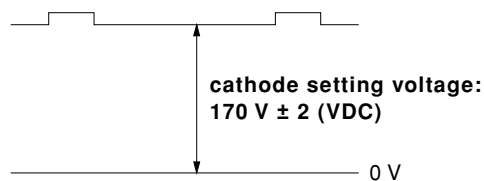


Fig. 6-4

6-5. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

1. G2 (SCREEN) ADJUSTMENT

- 1) Set the PICTURE and BRIGHTNESS to normal.
- 2) Put to VIDEO input mode without signals.
- 3) Connect R, G and B of the C board cathode to the oscilloscope.
- 4) Adjust BRIGHTNESS to obtain the cathode voltage to the value below.
- 5) Whilst watching the picture, adjust the screen VR [RV9002] located on the C board to the point just before the retrace lines disappear (to the point before cut-off)



2. WHITE BALANCE ADJUSTMENT

- 1) Set to Service Mode (Refer Section 7-1: ADJUSTMENTS WITH COMMANDER).
- 2) Input white raster signal.
- 3) Set the following condition.
PICTURE minimum, BRIGHTNESS 50%
- 4) Select GCT (WHB 7) and BCT (WHB 8) with [1] and [4], and adjust the level with [3] and [6] for the best white balance.
- 5) Set the PICTURE to maximum.
- 6) Select GDR (WHB 4) and BDR (WHB 5) with [1] and [4], and adjust the level with [3] and [6] for the best white balance.
- 7) Write into the memory by pressing [MUTING] then [0].

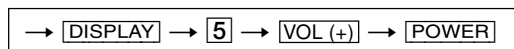
SECTION 7 CIRCUIT ADJUSTMENTS

7-1. ADJUSTMENTS WITH COMMANDER

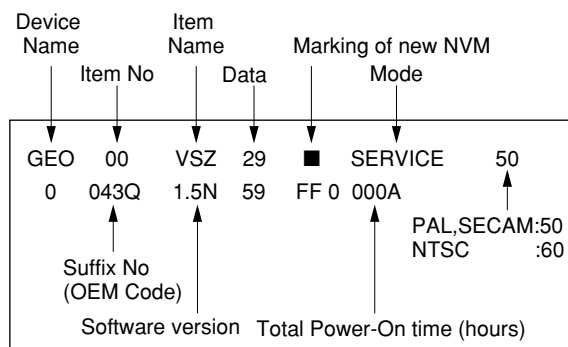
Service adjustments to this model can be performed using the supplied Remote Commander RM-965.

a. ENTERING SERVICE MODE

With the unit on standby



The screen display is :



b. CANCELLATION OF SERVICE MODE

Set the standby condition (Press [POWER] button on the commander), then press [POWER] button again, hereupon it becomes TV mode.

c. METHOD OF WRITE INTO MEMORY

- 1) Set to Service Mode.
- 2) Press [1] (UP) and [4] (DOWN), to select the adjustment item Name.
- 3) Press [3] or [6] to raise/lower the data value.
- 4) Press [MUTING] button to indicate WRITE on the screen.
- 5) Press [0] button to write into memory.

d. OTHER FUNCTION VIA REMOTE COMMANDER

- [7], [0] All the data becomes the values in memory.
- [8], [0] All goes to the standard state.
- [5], [0] Service data initialization (Be sure not to use usually.)
- [DISPLAY], [0] Write 50Hz adjustment data to 60Hz, or vice versa.
- [2], [0] Copy and write all data.
- [Cursor +/-] Skip category (device) to caategory (device)

example : GEO 00 VSZ
 ↑
 DAC 00 HCT

e. MEMORY WRITE CONFIRMATION METHOD

- 1) After adjustment, pull out the plug from AC outlet, and then plug into AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again to confirm adjustments were made.

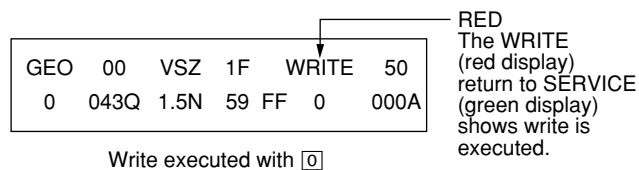
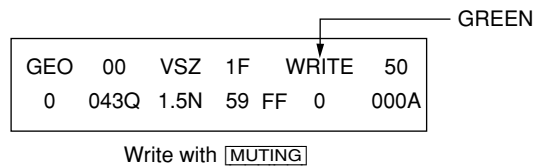
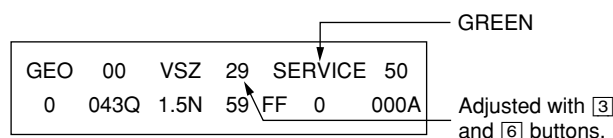
7-2. ADJUSTMENT METHOD

Item Number 00 of device GEO

This explanation uses V-size as an example.

1. Select "GEO 00 VSZ" with the [1] and [4] buttons.
2. Raise/lower the data with the [3] and [6] buttons.
3. Select the optimum state. (The standard is 1F for PAL reception.)
4. Press [MUTING] button to indicate WRITE on screen. (The display from SERVICE (green display) to WRITE (green display).)
5. Execute the writing with the [0] button. (The WRITE display changes to red color while executing and then back to SERVICE (green display).)
6. The WRITE execution is completed.

Example on screen display :-



Use the same method for all Items.

- Note :**
1. In [WRITE], the data for all items are written into memory together.
 2. For adjustment items that have different standard data between 50Hz or 60Hz, be sure to use the respective input signal after adjustment.

FOR KV-EX29 MODEL ONLY

Adjustment Item Table

TVG Category	Functionality		Initial	Range	Function	Device Name					
	No.	Name				50		60		60VC	
GEO	00	VSZ	21	3F	V SIZE	1A	1A	1C	1C	1C	1C
	01	VPS	27	3F	V POSITION	25	25	22	22	22	22
	02	VLN	5	0F	V LINEARITY	06	06	06	06	06	06
	03	SCO	0A	0F	S CORRECTION	09	09	09	09	09	09
	04	HSZ	1E	3F	H SIZE	1E	1E	1B	1B	1B	1B
	05	HPS	2F	3F	H POSITION	24	22	1B	1A	1A	1A
	06	PAP	28	3F	PIN AMP	2D	2F	30	33	33	33
	07	UPN	25	3F	UPPER CORNER PIN	24	28	26	29	29	29
	08	LPN	23	3F	LOWER CORNER PIN	23	26	24	27	27	27
	09	TRZ	0C	0F	TRAPEZIUM	0B	0B	0A	0A	0A	0A
	0A	AGL	0A	0F	AFC ANGLE	09	09	09	09	09	09
	0B	BOW	6	0F	AFC BOW	0A	0A	0A	0A	0A	0A
	0C	LBL	12	3F	LEFT H BLANKING	16	16	21	21	21	21
	0D	RBL	2C	3F	RIGHT H BLANKING	1B	1B	1C	1C	1C	1C
	0E	MPN	0	3	MIDDLE PIN DISTORTION COMPENSATION	00	00	00	00	00	00
	0F	UVL	0	0F	UPPER V LINEARITY	00	00	00	00	00	00
	10	LVL	0	0F	LOWER V LINEARITY	00	00	00	00	00	00
	11	HCP	0	3	HORIZONTAL HIGH VOLTAGE COMPENSATION	00	00	00	00	00	00
12	VCP	1	3	VERTICAL HIGH VOLTAGE COMPENSATION	00	00	00	00	00	00	
13	VAS	2F	3F	V ASPECT	2F	2D	2F	2D	2D	2D	
14	VSC	1F	3F	V SCROLL	1F	1D	1F	1E	1E	1E	
15	USC	0	1	UNDER-SCAN MODE ON/OFF	00	01	00	01	01	01	
16	VBW	0	3	V BLANKING WIDTH CONTROL	00	02	00	00	00	00	
17	AT1	2	3	AKB REFERENCE TIMING	02	01	02	01	02	00	
18	CPY	0	1	COPY THE GEO DATA TO ALL 50/60HZ NVM AREA							

FOR KV-EX34 MODEL ONLY

Adjustment Item Table

TVG Category	Functionality		Initial	Range	Function	Device Name											
	No.	Name				50			60			60VC					
GEO	00	VSZ	21	3F	V SIZE		26	26	26	26	26	26	26	26	26	26	26
	01	VPS	27	3F	V POSITION		26	26	26	26	26	26	26	26	26	26	26
	02	VLN	5	0F	V LINEARITY		08	08	08	08	08	08	08	08	08	08	08
	03	SCO	0A	0F	S CORRECTION		08	08	08	08	08	08	08	08	08	08	08
	04	HSZ	1E	3F	H SIZE		20	20	20	20	20	20	20	20	20	20	20
	05	HPS	2F	3F	H POSITION		35	35	35	35	35	35	35	35	35	35	35
	06	PAP	28	3F	PIN AMP		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	07	UPN	25	3F	UPPER CORNER PIN												
	08	LPN	23	3F	LOWER CORNER PIN		24	24	24	24	24	24	24	24	24	24	24
	09	TRZ	0C	0F	TRAPEZIUM		08	08	08	08	08	08	08	08	08	08	08
	0A	AGL	0A	0F	AFC ANGLE		0B	0B	0B	0B	0B	0B	0B	0B	0B	0B	0B
	0B	BOW	6	0F	AFC BOW		0A	0A	0A	0A	0A	0A	0A	0A	0A	0A	0A
	0C	LBL	12	3F	LEFT H BLANKING		16	16	16	16	16	16	16	16	16	16	16
	0D	RBL	2C	3F	RIGHT H BLANKING		1B	1B	1B	1B	1B	1B	1B	1B	1B	1B	1B
	0E	MPN	0	3	MIDDLE PIN DISTORTION COMPENSATION		00	00	00	00	00	00	00	00	00	00	00
	0F	UVL	0	0F	UPPER V LINEARITY		00	00	00	00	00	00	00	00	00	00	00
	10	LVL	0	0F	LOWER V LINEARITY		00	00	00	00	00	00	00	00	00	00	00
	11	HCP	0	3	HORIZONTAL HIGH VOLTAGE COMPENSATION		00	00	00	00	00	00	00	00	00	00	00
12	VCP	1	3	VERTICAL HIGH VOLTAGE COMPENSATION		00	00	00	00	00	00	00	00	00	00	00	
13	VAS	2F	3F	V ASPECT		2F	2F	2F	2F	2F	2F	2F	2F	2F	2F	2F	
14	VSC	1F	3F	V SCROLL		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
15	USC	0	1	UNDER-SCAN MODE ON/OFF		00	00	00	00	00	00	00	00	00	00	00	
16	VBW	0	3	V BLANKING WIDTH CONTROL		00	00	00	00	00	00	00	00	00	00	00	
17	AT1	2	3	AKB REFERENCE TIMING		02	02	02	02	02	02	02	02	02	02	02	
18	CPY	0	1	COPY THE GEO DATA TO ALL 50/60HZ NVM AREA													

FOR KV-EX29 MODEL ONLY

Adjustment Item Table

TVG	Functionality		Initial	Range	Function	50				60				Eco Mode				Device Name
	No.	Name				50NC	50VC	60	60NC	60VC	Eco On/NC	Eco Off/NC	Eco On/VC	Eco Off/VC	Eco On/NC	Eco Off/NC	Eco On/VC	
DAC	00	HCT	33	FF	H CENTER	CC											MB88141	
	01	HLN	27	3F	H LINEARITY		2B	2B	2D	2D								
	02	MDP	26	3F	MIDDLE PIN		1F	1F	1F	1F								
	03	CCP	37	3F	LOWER CORNER PIN		13	04	13	04								
	04	HTR	26	3F	HORIZONTAL TRAPEZIUM		1F	1F	1F	1F								
	05	PBA	1F	3F	PIN UNBALANCE		16	16	16	16								
	06	DPH	1F	3F	DF PHASE		1F	1F	1F	1F								
	07	QPH	19	3F	QP PHASE		19	19	19	19								
	08	QAC	23	3F	QP AMPLITUDE		23	23	23	23								
	09	QDC	20	3F	QP DC LEVEL		20	20	20	20								
	0A	QDV	1F	3F	QP V MODULATION		1F	1F	1E	1E								
	0B	QAV	1A	3F	QP AMPLITUDE MODULATION		1A	1A	1D	1D								
	0C	ABC	0	FF	ABL D/A CONTROL								00	00	7E	7E		
	0D	CPY	0	1	COPY THE DAC DATA TO ALL 50/60Hz NVM AREA													

FOR KV-EX29 MODEL ONLY

Category	Functionality		Initial	Range	Function	Common	Device Name
	No.	Name					
WHB	00	CBO	7	0F	DC OFFSET CANCELLER FOR Cb1	0A	CXA2100GA
	01	CRO	7	0F	DC OFFSET CANCELLER FOR Cr1	0A	
	02	SBR	18	3F	SUB BRIGHTNESS CONTROL	1F	
	03	RDR	29	3F	R DRIVE	29	
	04	GDR	25	3F	G DRIVE	24	
	05	BDR	26	3F	B DRIVE	25	
	06	RCT	1D	3F	R CUTOFF	1D	
	07	GCT	12	3F	G CUTOFF	06	
	08	BCT	31	3F	B CUTOFF	25	
	09	SBO	29	3F	SUB BRIGHTNESS OFFSET	20	
	0A	RDO	1F	3F	R DRIVE OFFSET	1F	
	0B	GDO	1A	3F	G DRIVE OFFSET	1A	
	0C	BDO	1A	3F	B DRIVE OFFSET	1B	
	0D	RCO	1F	3F	R CUTOFF OFFSET	1F	
	0E	GCO	1E	3F	G CUTOFF OFFSET	22	
	0F	BCO	15	3F	B CUTOFF OFFSET	16	

FOR KV-EX34 MODEL ONLY

Adjustment Item Table

TVG Category	Functionality		Initial	Range	Function	Eco Mode						Device Name			
	No.	Name				50	50NC	50VC	60	60NC	60VC		Eco OnNC	Eco OffNC	Eco ONVC
DAC	00	HCT	33	FF	H CENTER	59		4A							MB88141
	01	HLN	27	3F	H LINEARITY		26	26		26	26				
	02	MDP	26	3F	MIDDLE PIN		19	19		19	19				
	03	CCP	37	3F	LOWER CORNER PIN		00	00		00	00				
	04	HTR	26	3F	HORIZONTAL TRAPEZIUM		1F	1F		1F	1F				
	05	PBA	1F	3F	PIN UNBALANCE		16	16		16	16				
	06	DPH	1F	3F	DF PHASE		22	22		22	22				
	07	QPH	19	3F	QP PHASE		12	12		12	12				
	08	QAC	23	3F	QP AMPLITUDE		24	24		24	24				
	09	QDC	20	3F	QP DC LEVEL		1E	1E		1E	1E				
	0A	QDV	1F	3F	QP V MODULATION		28	28		29	29				
	0B	QAV	1A	3F	QP AMPLITUDE MODULATION		1E	1E		20	20				
	0C	ABC	0	FF	ABL D/A CONTROL						00	00	7E	7E	
	0D	CPY	0	1	COPY THE DAC DATA TO ALL 50/60Hz NVM AREA										

FOR KV-EX34 MODEL ONLY

TVG Category	Functionality		Initial	Range	Function	Common	Device Name
	No.	Name					
WHB	00	CBO	7	0F	DC OFFSET CANCELLER FOR Cb1	0A	CXA2100QA
	01	CRO	7	0F	DC OFFSET CANCELLER FOR Cr1	0A	
	02	SBR	18	3F	SUB BRIGHTNESS CONTROL	1F	
	03	RDR	29	3F	R DRIVE	29	
	04	GDR	25	3F	G DRIVE	24	
	05	BDR	26	3F	B DRIVE	25	
	06	RCT	1D	3F	R CUTOFF	1D	
	07	GCT	12	3F	G CUTOFF	20	
	08	BCI	31	3F	B CUTOFF	25	
	09	SBO	29	3F	SUB BRIGHTNESS OFFSET	1C	
	0A	RDO	1F	3F	R DRIVE OFFSET	1F	
	0B	GDO	1A	3F	G DRIVE OFFSET	1D	
	0C	BDO	1A	3F	B DRIVE OFFSET	1C	
	0D	RCO	1F	3F	R CUTOFF OFFSET	1F	
	0E	GCO	1E	3F	G CUTOFF OFFSET	1B	
	0F	BCO	15	3F	B CUTOFF OFFSET	1B	

Adjustment Item Table

TVG Category	Functionality		Initial	Range	Function	Common		Device Name
	No.	Name				TV	Video	
PIP	00	PRO	0	1	PROGRESSIVE SCAN MODE ENABLE	00	00	SDA9489X
	01	RED	0	1	READ DOUBLE MODE	00	00	
	02	FEI	0	3	FIELD SELECT	00	00	
	03	HPS	35	FF	HORIZONTAL PICTURE POSITION	33	00	
	04	VPS	1B	FF	VERTICAL PICTURE POSITION	1B	00	
	05	HFP	0	0F	HORIZONTAL FINE POSITIONING	08	00	
	06	VFP	0	0F	VERTICAL FINE POSITIONING	00	00	
	07	DIS	0	3	DISPLAY STANDARD	00	00	
	08	HOS	0	3	HORIZONTAL SIZE	00	00	
	09	VES	0	3	VERTICAL SIZE	00	00	
	0A	FPS	0	3	FORCE PARENT STANDARD	00	00	
	0B	HZM	0	7	HORIZONTAL ZOOM	00	00	
	0C	VSP	0	1	VERTICAL SYNC PULSE NOISE REDUCTION	01	00	
	0D	VDL	0	1F	VERTICAL SYNC PULSE DELAY	00	00	
	0E	FRH	5	7	FRAME WIDTH HORIZONTAL	05	00	
	0F	FMV	2	3	FRAME WIDTH VERTICAL	02	00	
	10	VRD	0	1	REDUCTION	00	00	
	11	VBK	0	1	VERTICAL BLANKING	00	00	
	12	DLY	0	F	SELECT DELAY	01	00	
	13	PCR	0	1	POSITION CORRECTION	00	00	
	14	AGM	3	3	AGC MODE	03	00	
	15	AGC	6	F	AUTOMATIC GAIN CONTROL VALUE	09	00	
	15	AGC	6	F	AUTOMATIC GAIN CONTROL VALUE	09	00	
	16	CVB	0	3	CVBS SELECT	00	00	
	17	CPT	1	3	CLAMPING DURATION	01	00	
	18	GPT	1	3	CLAMPING PULSE START	01	00	
	19	LUM	0	3	LUMINANCE OFFSET	00	00	
	1A	PLL	0	3	INSERT PLL TIME CONSTANT	00	00	
	1B	YCD	2	F	Y/C DELAY	08	00	
	1C	NSR	0	3	NOISE REDUCTION FOR INSERT PLL	00	00	
	1D	LSP	0	1	STANDARD IDENTIFICATION SPEED	00	00	
	1E	KIL	0	3	COLOR KILLER THRESHOLD	02	00	
	1F	BGP	0	1	BURST GATE POSITION	01	00	
20	SEC	0	1	SECAM IDENTIFICATION LEVEL	01	00		
21	DEM	1	3	DEEMPHASIS SELECTION	01	00		
22	CMA	0	3	CHROMA BANDWIDTH	00	00		
23	IFC	2	3	IF COMPENSATION FILTER	02	00		
24	HUE	0	1F	HUE	00	00		
25	SCA	7	1F	COLOR SUBCARRIER ADJUSTMENT	06	00		
26	CON	0	F	CONTRAST ADJUSTMENT	00	00		
27	BLR	0	F	BLANKING LEVEL RED CHANNEL	00	00		
28	BRT	0	F	BRIGHTNESS ADJUSTMENT	00	00		
29	BLG	0	F	BLANKING LEVEL GREEN CHANNEL	00	00		
2A	BIR	0	1	BLANKING INVERSION RED CHANNEL	00	00		
2B	BIB	0	1	BLANKING INVERSION BLUE CHANNEL	00	00		
2C	BLB	0	F	BLANKING LEVEL BLUE CHANNEL	00	00		
2D	INT	0	1	REFRESH INTERVAL	00	00		
2E	PKR	4F	FF	PEAK LEVEL RED CHANNEL	85	00		
2F	PKG	4F	FF	PEAK LEVEL GREEN CHANNEL	85	00		
30	PKB	4F	FF	PEAK LEVEL BLUE CHANNEL	85	00		
31	FRY	A	F	FRAME COLOR Y	09	00		
32	OUT	1	1	OUTPUT FORMAT	01	00		
33	FRU	0	F	FRAME COLOR U	00	00		
34	FRV	0	F	FRAME COLOR V	00	00		
35	SAT	7	F	COLOR SATURATION ADJUSTMENT	07	00		
36	YPK	7	F	Y PEAK ADJUSTMENT	03	00		
37	YCO	0	F	Y CORING ENABLE	00	00		
38	PAL	3	3	PAL ID LEVEL	03	00		
39	POV	0	7	POSITION OFFSET VERTICAL	00	00		
3A	POH	0	1F	POSITION OFFSET HORIZONTAL	00	00		
3B	VSH	0	1F	VERTICAL SHRINK	00	00		
3C	HSR	0	1F	H SHRINK	00	00		
3D	CPL	1	3	CLAMPING PULSE LENGTH	01	00		

(KV-EX29)
(KV-EX34)

Adjustment Item Table

TVG Category	Functionality		Initial	Range	Function	Common	Multi Comb	3D Comb	S-Input	Other	TV	Video		DVD		Device Name	
	No.	Name										50	60	50	60		
YCT	00	TNT	1F	3F	TINT ADJUSTMENT FOR NTSC							1F	1F			CXA2123Q (KV-EX29) (KV-EX34)	
	00	TNT	1F	3F	TINT ADJUSTMENT FOR NTSC							20	1F				
	01	PNG	1	1	PAL/NTSC GATE WIDTH	01											
	02	PNI	0	1	PAL/NTSC SENSITIVITY SW	00											
	03	SCL	7	0F	SUB COLOR CONTROL							05	04	07	07		
	04	SCT	8	0F	SUB CONTRAST CONTROL							07	07	07	07		
	05	SFO	2	3	SUB CONTRAST CONTROL SHARPNESS CENTER FREQUENCY CHANGING	02											
	06	SEQ	3	3	SHARPNESS EQUALIZER CHARACTERISTIC	03											
	07	SHG	5	0F	SHARPNESS GAIN CONTROL												
	07	SHG	5	0F	SHARPNESS GAIN CONTROL												
	08	YOL	1F	3F	Y-OUTPUT LEVEL CONTROL	1F											
	09	BSP	0	3	BLACK STRETCH START POINT CHANGING	00											
	0A	COL	1F	3F	Ch/Cr OUTPUT LEVEL CONTROL	1A											
	0B	DCR	0	3	DC RESTORATION RATIO ADJUSTMENT	00											
	0C	BFO	1	3	BPF/TQF F0 ADJUSTMENT	01											
	0D	BFQ	2	3	BPF/TQF Q ADJUSTMENT	02											
	0E	FSW	1	1	BPF/TQF SWITCH	01											
	0F	SDT	1	1	SECAM DOUBLE TRAP SWITCH	01											
	10	LPF	1	1	Y/Cb/Cr LPF SWITCH	01											
	11	VDL	6	0F	Y-DL TIME ADJUSTMENT		07	05	06	06							
	12	CMT	0	1	Ch/Cr OUTPUT MUTE SWITCH	00											
	13	BO1	7	0F	Ch OFFSET 1 ADJUSTMENT (MAIN ROUTE)	07											
	14	RO1	7	0F	Cr OFFSET 1 ADJUSTMENT	07											
	15	CDF	0	7	V COUNT DOWN FREQUENCY SWITCH	00											
	16	ODM	0	3	V COUNT DOWN JUDGE SWITCH	00											
	17	AFC	0	3	AFC SENSITIVITY SWITCH								00	00			
	18	MVM	1	1	MACROVISION MASK + AFC MASK	01											
	19	SRY	7	0F	SECAM R-Y BLACK ADJUSTMENT	07											
	1A	SBY	1	0F	SECAM B-Y BLACK ADJUSTMENT	01											
1B	BEL	2	3	SECAM BELL/HPF SWITCHING	02												
1C	BLF	0	1	BELL F0 ADJUSTMENT	00												
1D	SV1	0	1	SECAM V-ID SWITCH	00												
1E	SGP	0	3	SECAM GATE POSITION ADJUSTMENT	00												
1F	SID	1	1	SECAM SENSITIVITY SWITCH	01												
20	SIH	0	1	SECAM INHIBITION SWITCH	00												
21	STP	0	1	Y BLACK LEVEL SETUP FOR PAL PLUS	00												
22	ASW	2	1	AUTO VIDEO SELECT MODE SW	01												
23	WSH	0	3	SHARPNESS GAIN STEP FOR NOISE REDUCTION	00												
24	WCO	0	3	Ch/Cr OUTPUT LEVEL STEP FOR NOISE REDUCTION	00												
25	CB2	7	7	Ch2 OFFSET ADJUSTMENT (YCbCr2 INPUT)	07												
26	CR2	7	7	Cr2 OFFSET ADJUSTMENT (YCbCr2 INPUT)	07												
27	HPH	0	1	HS OUTPUT PHASE SWITCH	00												
28	VPH	0	1	SWITCH FOR VP OUTPUT PHASE	00												
29	NCM	0	1	NTSC COMB	01												

Adjustment Item Table

TVG Category	Functionality		Initial	Range	Function	Common	Dynamic	Standard/Drama	Hi-Fine/Soft	Personal	Device Name
	No.	Name									
AP	00	BAS	13	1F	BASE SOUND MODE CONTROL		12	10	10		BH3868FS
	01	TRE	12	1F	TREBLE SOUND MODE CONTROL		12	12	10		(KV-EX29)
	02	BBE	99	FF	BBE SOUND MODE CONTROL		97	D5	00		
	02	BBE	99	FF	BBE SOUND MODE CONTROL		B7	E5	00		(KV-EX34)
	03	SON	0	1	SURROUND ON/OFF	00					
	04	SST	0	1	SURROUND STEREO	00					
	05	SMO	0	1	SURROUND MONORAL	00					
06	LOP	0	1	SURROUND EFFECT ENHANCEER	00						
07	SUR	0	7	SURROUND EFFECT	00						

TVG Category	Functionality		Initial	Range	Function	Common	Device Name
	No.	Name					
MSP	00	WST	15	FF	W/G STEREO THRESHOLD	15	MPS3415D
	01	WBT	EA	FF	W/G BILINGUAL THRESHOLD	EC	
	02	WLL	5	FF	W/G MONAURAL THRESHOLD	05	
	03	WAC	1	OF	W/G AGREEMENT COUNT	01	
	04	WDL	30	FF	W/G SEARCH DELAY	30	
	05	NDL	20	FF	NICAM SEARCH DELAY	20	
	06	SDL	10	FF	STEREO STATUS READ DELAY	10	
	07	AGC	1	1	AGC SWITCH AUTO/CONSTANT	01	
	08	REL	28	3F	AGC GAIN AT CONSTANT MODE	28	
	09	CRM	0	1	CARRIER MUTING ON/OFF	00	
	0A	ACO	1	1	AUDIO CLOCK OUT ON/OFF	01	
0B	FP	1B	7F	FM PRESCALE FOR NON-M SYSTEM	1B		
0C	FPM	32	7F	FM PRESCALE FOR M SYSTEM	32		
0D	FH	2D	7F	FM PRESCALE FOR HDEV	36		
0E	FHM	65	7F	FM PRESCALE FOR HDEV AND M	65		
0F	WGP	1C	7F	W/G PRESCALE	1C		
10	NIP	7F	7F	NICAM PRESCALE	7F		
11	ERR	50	FF	AUTO FM SWITCH THRESHOLD	50		

Adjustment Item Table

TVG Category	Functionality		Initial	Range	Function	Common	TV	Video			Picture Mode			Device Name
	No.	Name						Dynamic	Standard/Drama	Hi-Fine/soft	Personal			
LT1	00	LDH	1	1	HISTOGRAM SEGMENT SELECTION	01								TDA9178
	01	CFS	1	1	CONTOUR FILTER SELECTION	01								
	02	WLB	0	1	LETTERBOX WINDOW SWITCH	00								
	03	VDC	1	1	VIDEO DEPENDANT CORING			01	01	01	01	01	01	
	04	DEM	0	1	DEMONSTRATION MODE	00								
	05	CDP	4	07	LUMINANCE DELAY	04								
	06	OSP	0	1	OVERRULE SMART PEAKING	00								
	07	WPO	0	1	WHITE POINT STRETCH OFF	00								
	08	DSK	0	1	SKIN TONE SWITCH			00	00	00	00	00	00	
	09	ASK	0	1	SKIN TONE ANGLE SELECTION	00								
	0A	WSK	0	1	SKIN TONE WIDTH SELECTION	00								
	0B	SSK	0	1	SKIN TONE SIZE SELECTION	00								
	0C	DGR	1	1	GREEN ENHANCEMENT SWITCH			01	01	01	00	01	01	
	0D	DGT	7	7	THRESHOLD OF GREEN ENHANCEMENT SWITCH	07								
	0E	GGR	0	1	GREEN ENHANCEMENT GAIN	00								
	0F	WGR	0	1	GREEN ENHANCEMENT WIDTH	00								
	10	SGR	0	1	GREEN ENHANCEMENT SIZE	00								
	11	DBL	0	1	BLUE STRETCH SWITCH	00								
	12	GBL	0	1	BLUE STRETCH GAIN SELECTION	00								
	13	SBL	0	1	BLUE STRETCH SIZE SELECTION	00								
	14	CDS	1	1	COLOR DEPENDANT SHARPNESS			01	01	01	00	01	01	
	15	CST	7	7	THRESHOLD OF COLOR DEPENDANT SHARPNESS	07								
	16	CT1	0	1	COLOR TRANSIENT IMPROVEMENT			00	00	00	00	00	00	
	17	BON	0	1	BLACK OFFSET COMPENSATION			00	00	00	00	00	00	
	18	BTD	0	3F	ADAPTIVE BLACK STRETCH			00	00	00	00	00	00	
	19	NLD	15	3F	NON-LINEARITY AMPLIFIER			00	00	00	00	00	00	
1A	NLW	7	7	STEP WIDTH OF NON-LINEARITY AMPLIFIER	07		15	15	15	00	15	15		
1B	VGD	15	3F	VARIABLE GAMMA			1F	1F	1F	1F	1F	1F		
1B	VGD	15	3F	VARIABLE GAMMA			22	1F	1F	1F	1F	1F		
1C	VGW	0	7	STEP WIDTH OF VARIABLE GAMMA	00									
1D	PKD	3F	3F	PEAKING AMPLITUDE			3F	2B	0E	0E	2B	2B		
1D	PKD	3F	3F	PEAKING AMPLITUDE			3F	30	0E	0E	30	30		
1E	PKW	8	0F	STEP WIDTH OF PEAKING AMPLITUDE	08									
1F	SPD	0	3F	STEEPNESS CORRECTION			20	00	00	00	00	00		
20	CRD	11	3F	CORING LEVEL			1B	1B	00	00	1B	1B		
20	CRD	11	3F	CORING LEVEL			16	16	00	00	16	16		
21	CRW	9	0F	STEP WITH CORING LEVEL	09									
22	CRO	0	0F	CORING LEVEL OFFSET FOR VIDEO MODE	06									
22	CRO	0	0F	CORING LEVEL OFFSET FOR VIDEO MODE	01									
23	LWD	1F	3F	LINE WIDTH CORRECTION	1F									
24	SNM	0	7	S/N MODE UNDER UNRELIABLE S/N CONDITION	00									
25	SNC	3	0F	S/N RATIO AVERAGE COUNTER			03	03						
26	FMC	2	0F	FEATURE MODE MATCHING COUNTER	02									

TVG Category	Functionality No.	Range			Function	Common	Device Name
		Initial	Final	Step			
DRC	00	MOD	0	3	DRC MODE (FOR EVALUATION ONLY) 00-NORMAL, 01-FORCED 1250I, 02-FORCED PROGRESSIVE, 03-FORCED SIMPLE PROGRESSIVE	00	

Adjustment Item Table

TVG Category	Functionality No.	Name	Initial Range	Function	Common	TV Video	NR Mode			Dynamic	Picture Mode			Device Name
							NR mode 0	NR mode 1	NR mode 2		NR mode 3	Standard/Drama	Hi-Fine/soft	
3CM	00	FRZ	0 1	EXTERNAL MEMORY TEST BIT	00									UPD64082
	01	NRM	0 3	NOISE REDUCTION OPERATION MODE	00									
	02	YCO	0E 0F	Y/C SIGNAL OUTPUT SELECTION	0D									
	03	SYC	1 3	SYSTEM CLOCK SELECTION	01									
	04	STD	0 3	STANDARD/NON-STANDARD OPERATION SELECTION	00									
	05	MSS	0 3	INTER-FRAME/INTER-LINE OPERATION SELECTION	00									
	06	KIL	3 3	KILLER/NON-KILLER OPERATION SELECTION	03									
	07	EAD	0 1	EXTERNAL Y-ADC SWITCH	00									
	08	ECS	1 3	EXTERNAL C-SYNC INPUT SELECTION	01									
	09	GPP	2 3	ADC INPUT LEVEL & CLUMP PULSE WIDTH SELECTION	02									
	0A	PWR	0 1	ADC INPUT WIDTH SWITCH	00									
	0B	HDP	5 7	HORIZONTAL PHASE ADJUSTMENT	05									
	0C	CDL	4 7	C-SIGNAL DELAY ADJUSTMENT	04									
	0D	DYC	2 0F	DY DETECTION CORING LEVEL ADJUSTMENT			02	02	02	04				
	0E	DYG	0A 0F	DY DETECTION GAIN ADJUSTMENT			0A	0A	0A	0A				
	0F	DCC	5 0F	DC DETECTION CORING LEVEL ADJUSTMENT			05	03	03	05				
	10	DCG	5 0F	DC DETECTION GAIN ADJUSTMENT			05	0A	0A	05				
	11	YNR	1 0F	YNR NON-LINEAR FILTER SETUP	01									
	12	CNR	1 0F	CNR NON-LINEAR FILTER SETUP	01									
	13	WSC	1 3	NOISE DETECTION CORING ADJUSTMENT	01									
	14	VTH	1 3	HYSTERESIS SELECTION FOR H-SYNC NON-STANDARD		01	01							
	15	VTR	1 3	SENSITIVITY SELECTION FOR H-SYNC NON-STANDARD		01	01							
	16	LDR	2 3	SENSITIVITY SELECTION FOR FRAME-SYNC NON-STANDARD		02	01							
	17	VAP	3 7	GAIN ADJUSTMENT FOR VERTICAL SHAPE CORRECTION					03	00	00	00	00	
	18	VAI	0C 1F	VANISHING ADJUSTMENT FOR VERTICAL SHAPE CORRECTION					0C	00	00	00	00	
	19	TST	0 1	TEST BIT	00									
	1A	VPF	3 3	CENTER FREQUENCY SELECTION FOR Y-PEAKING BPF					03	03	03	03	03	
	1B	YPG	8 0F	GAIN ADJUSTMENT FOR Y-PEAKING BPF					08	08	08	08	08	
	1C	VSE	0A 0F	LINE COMB FILTER SETUP	02									
	1D	CCN	0 1	C-SIGNAL SPLIT FILTER SWITCH	00									
	1E	COS	0 1	C-SIGNAL DELAY SWITCH AT NOISE REDUCTION	00									
	1F	SDC	0 1	DC DETECTION SENSITIVITY SWITCH	00									
	20	SDY	1 1	DY DETECTION LOWER-LEVEL SENSITIVITY SWITCH	01									
	21	D2G	4 7	D2 GAIN SELECTION	04									
	22	YHC	0 3	Y-SIGNAL HIGHER-LEVEL CORING SELECTION										
	23	YHG	0 1	Y-SIGNAL HIGHER-LEVEL GAIN SWITCH					00	00	00	00	00	
	24	SHT	0 0F	NON-STANDARD DETECTION & HIV COUNTER TEST BITS	00				00	00	00	00	00	
	25	CLK	8 0F	CLOCK TEST BITS	08									
	26	PLL	0D 0F	PLL FILTER SETUP	0D									
	27	KRF	3 0F	KILLER DETECTION REFERENCE ADJUSTMENT	03									
	28	HSL	0C 0F	H-SYNC SLICE LEVEL ADJUSTMENT	0C									
	29	VSL	8 0F	V-SYNC SLICE LEVEL ADJUSTMENT	08									
	2A	BPS	4 0F	INTERNAL BURST GATE START POSITION ADJUSTMENT	04									
	2B	BPW	0A 0F	INTERNAL BURST GATE WIDTH POSITION ADJUSTMENT	0A									
	2C	ADC	3 3	ADC CLOCK DELAY SELECTION	03									
	2D	APD	1 1	ADC POWER-DOWN SWITCH	01									
	2E	NSD	1 1	NON-STANDARD DETECTION TEST BIT	01									
	2F	SPD	2 3	MEMORY POWER-DOWN SWITCH	02									
	30	CNT	0 1	CNR TEST BIT	00									

Adjustment Item Table

TVG Category	Functionality		Initial	Range	Function	Common	Device Name
	No.	Name					
TXT	00	TXH	1	3	TELETEXT HORIZONTAL POSITION FOR PHILIPS	01	SAA5261
	01	TXV	0	7	TELETEXT VERTICAL POSITION FOR PHILIPS	07	
OPM	00	OSH	12	3F	OSD H POSITION	12	CXP750096
	01	FW1	0	3F	OSD ODD/EVEN FIELD WINDOW SETUP #1	00	OPTION-MISC
	02	FW2	3	3F	OSD ODD/EVEN FIELD WINDOW SETUP #2	03	
	03	COM	0	03	COMB OPERATION SELECTION	02	
	04	APC	1	1	APC SWITCH	01	
	05	TSY	0	03	TV SYSTEM SELECTION UNDER SEARCHING WITH AUTO TV SYSTEM	00	
	06	MUT	0	1	NO SIGNAL MUTE	01	
	07	AFM	1	1	AUTO FM SWITCH	01	
	08	TVO	3	7	V-ANGLE CORRECTION TO PICTURE ROTATION	03	
	09	DBL	0	1	DISABLE BLUEBACK FUNCTION	00	
	0A	SSO	1	3	SPEED CH SEARCH SELECTION	01	
	0B	TRP	0	3F	MPEG/JPEG NOISE REDUCTION FOR EACH INPUT	00	
	0C	SCH	1	7F	CH SELECTION FOR SHIPPING CONDITION	0F	
	0D	SCA	1	1	CABLE/AIR SELECTION FOR SHIPPING CONDITION	01	
	0E	VSN	0	1	ENABLE NOISE REDUCTION IN VIDEO MODE	01	
	0F	PSQ	0	1	POWER SEQ FOR CONTINUOUS SIRCS DETECTION SPEC	00	
	10	POR	0	1	POWER ON RESET DETECTION FROM YCT	01	

TVG Category	Functionality		Initial	Range	Function	Common	Device Name
	No.	Name					
OPB	00	OP1	E7	FF	OPTION BITS 1 (SEE THE SPECIFIED SHEET)	#	OPTION-BITS
	01	OP2	17	FF	OPTION BITS 2 (SEE THE SPECIFIED SHEET)	#	

Note:- OP1 AND OP2 "#": SEE OPTION NOTE.

Abbreviation

VC = V-Compressed Mode NC = Non-compressed Mode ECO = Eco Mode
Sur = Surround NR = Noise Reduction

NOTE

- ■ shaded items are fixed data.
- ■ no data.
- Standard data listed on the Adjustment Item Table are reference values, therefore it may be different for each model and for each mode.
- Note for Different Data: The data indicated in the initial column are the standard data values written on the microprocessor. Therefore, the data values of the modes and stored respectively in the memory. In case of a device replacement, adjustment by rewriting the data value is necessary for some items.

OPTION NOTE

COM Comb Operation Selection 00 = No comb used,
01 = Multi-Standard comb,
02 = 3D comb (NTSC Models only)
03 = Illegal, Do not use

TSY TV System Selection for Auto TV System 00 = B/G, 01 = I, 10 = D/K, 11 = M

SSO Speed CH Search Selection 00 = normal, 01 = 4 times, 10 = 6 times, 11 = 8 times

TRP MPEG/JPEG Noise Reduction

Input	–	–	TV	Video 1	Video 2	Video 3	Video 4	DVD
-------	---	---	----	---------	---------	---------	---------	-----

OP1 Items

Item	TOP	NICAM	HDEV	(Reserved)	Sleep Mode	DVD Input	AV Input		HEX
KV-EX29K94	0	1	1	0	1	1	1	1	6F
KV-EX34K94	0	0	0	0	1	1	1	1	0F

AV Input 00 = no AV Input, 01 = 1 AV Input, 10 = 3 AV Input, 11 = 4 AV Input

OP2 Items

Item	PIP Models	Korean Stereo	Video NTSC 3.58	A-TV sys	US Stereo	NA	Taiwanese	Korean	HEX
KV-EX29K94	0	–	–	1	–	1	1	1	17
KV-EX34K94	1	1	1	0	0	0	0	1	E2

Pin P PiP models 0 = No PiP, 1 = PiP 0 = Original (Siemens), 1 = Chinese (Philips)

A-TV sys Auto TV System in Auto Program 0 = disabled, 1 = enabled

OSD Language (Multi) 000 = English only, 100 = English & Chinese
010 = English & Arabic 110 = English, Chinese & Arabic
001 = English & Thai 101 = English, Chinese & Thai
011 = English, Arabic & Thai 111 = English, Chinese, Arabic & Thai

OP3 Items

Item	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Forced 50/60	HEX
KV-EX29K94	0	0	0	0	0	0	0	1	01
KV-EX34K94	0	0	0	0	0	0	0	1	01

NOTE

No.	Modes	Details	Entry Conditions
1.	50NC/60NC	Signal 50/60Hz Non-Compressed mode.	Input 50Hz(PAL)/60Hz(NTSC), wide mode OFF (TV/video mode)
2.	50VC/60VC	Signal 50/60Hz V-Compressed mode.	Input 50Hz(PAL)/60Hz(NTSC), wide mode ON (TV/Video mode)
3.	ECO ON/OFF NC	Eco mode ON/OFF Non-Compressed mode.	ECO mode ON/OFF, wide mode OFF
4.	ECO ON/OFF VC	ECO mode ON/OFF V-Compressed mode.	ECO mode ON/OFF, wide mode ON
5.	50/60 DVD	Signal 50/60Hz Digital Video Disk	Input 50Hz(PAL)/60Hz(NTSC), DVD
6.	Multi Comb	Multi Comb Filter	Input PAL, NTSC 3.58, Service mode category OPM 03 COM 01 (Multi Model only)
7.	3D Comb	3 Dimensional Comb Filter	Input NTSC 3.58 only, Service mode category OPM 03 COM 02 (NTSC model only)
8.	S-Input	S-Video Input	Connect S-Video Cable, video mode

7-3. PICTURE QUALITY ADJUSTMENT

PICTURE ADJUSTMENT

1. Set to service mode.
2. Set A/V control to HI-FINE.
3. Set the following condition.

Adjustment condition

```
SAJ 00 PIC 3F
      06 DYC 00
      0E CLO 06
      10 HUU 07
JGL 04 BBT 00
      05 LML 03
```

```
ECO MODE      : OFF
WIDE MODE     : OFF
DRC-MF       : DRC1050
```

MEASUREMENT POINT

VR : R100 (the pin 6 of CN1100)

VB : B100 (the pin 7 of CN1100)

CAUTION

After Adjustment, these adjustment parameters must be recovered to the original condition.

Original Condition

```
SAJ 00 PIC 28 HI-FINE
      06 DYC 0 HI-FINE
```

	50 TV	50 VIDEO	60 TV	60 VIDEO
0E CLO	09	08	09	09
10 HUU	08	08	09	09

```
JGL 04 BBT 03
      05 LML 00
```

1. DRIVE ADJUSTMENT (VIDEO MODE)

Input signal : NTSC Color bar, to Video 1

[Service] mode.

(i) SUB CONTRAST

```
Condition : SAJ 00 PIC 3F
              02 COL 00
              JGL 01 RGB 04
```

Adjusting parameter:

```
YCT 08 YOL
```

2. DRIVE ADJUSTMENT (RF MODE)

Input signal : NTSC Color bar HI-FINE Mode.

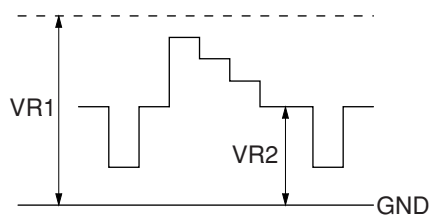
(i) SUB CONTRAST

```
Condition : SAJ 00 PIC 3F
              02 COL 00
              JGL 01 RGB 04
```

Adjusting parameter:

```
YCT 04 SCT
```

(ii) Copy SCT data to PAL (RF MODE)



$$VR1 - VR2 = VR = 1.85 \pm 0.07 \text{ (Vp-p)}$$

SUB HUE/COL ADJUSTMENT

1. SUB HUE/SUB COL (VIDEO MODE)

Input signal : NTSC Color bar HI-FINE Mode.

```
Condition : SAJ 02 COL 1F
              JGL 01 RGB 07
              SAJ 10 HUU 07
```

Adjusting parameter:

```
YCT 0A COL
YCT 00 TNT
```

After the adjustment SAJ 10 HUU 9

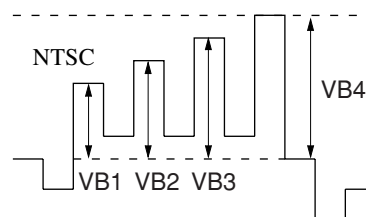
2. SUB HUE/SUB COL (NTSC RF MODE)

Input signal : NTSC Color bar.

```
Condition : SAJ 02 COL 1F
              JGL 01 RGB 07
              SAJ 10 HUU 07
```

Adjusting parameter:

```
YCT 03 SCL
YCT 00 TNT
```



$$VB1 = VB4 \pm 70 \text{ mV}$$

$$VB2 = VB3 \pm 70 \text{ mV}$$

7-4. DEFLECTION ADJUSTMENTS**FOR DRC 1050 (60Hz) MODE**

- Set to Service Mode.
- Input a NTSC cross hatch/dot signal.
- Set the following condition.
Picture Mode to **[DYNAMIC]**, Picture Rotation to **[+/-0]**
and
Eco Mode to OFF.
- Set to DRC-MF1050 mode.
- Using the **[1]** and **[4]** button, select category GEO (Service Mode).
- Raise/lower the data using the **[3]** and **[6]** buttons.
Select and adjust the following items to obtain optimum image.

Service Item

GEO : 00	VSZ	V SIZE
01	VPS	V POSITION
02	VLN	V LINEARITY
03	SCO	S CORRECTION
04	HSZ	H SIZE
06	PAP	PIN AMP
07	UPN	UPPER CORNER PIN
08	LPN	LOWER CORNER PIN
09	TRZ	TRAPEZIUM
0A	AGL	AFC ANGLE
0B	BOW	AFC BOW

- Using the **[1]** and **[4]** buttons select category DAC (Service Mode).
- Select and ad List the following items to obtain optimum image. Raise/lower the data with the **[3]** and **[6]** buttons. Select and adjust the following items to obtain optimum image.

Service Item

DAC: 01	HLN	H LINEARITY
04	HTR	HORIZONTAL TRAPEZIUM
05	PBA	PIN UNBALANCE

- Select "GEO 04 HSZ" with the **[1]** and **[4]** buttons.
- Confirm the H Size condition. If necessary, adjust the H Size to get a best condition.
- Write into the memory by pressing **[MUTING]** then **[0]** on the remote commander.

FOR WIDE MODE, DRC1050 (60Hz)

- Adjust condition change to WIDE MODE : ON.
- COPY (item FOR DRC 1050 (60Hz) MODE and adjust data for the following items.

Service Item

GEO : 00	VSZ	V SIZE
01	VPS	V POSITION
04	HSZ	H SIZE

- Adjust V Blanking the following items.

Service Item

GEO : 13	VAS	V ASPECT
14	VSC	V SCROLL

- Adjust the following items.

Service Item

GEO : 02	VLN	V LINEARITY
03	SCO	S CORRECTION
05	HPS	H POSITION
06	PAP	PIN AMP
07	UPN	UPPER CORNER PIN
08	LPN	LOWER CORNER PIN
09	TRZ	TRAPEZIUM
0A	AGL	AFC ANGLE
0B	BOW	AFC BOW
DAC : 01	HLN	H LINEARITY
04	HTR	HORIZONTAL TRAPEZIUM
05	PBA	PIN UNBALANCE

- Repeat step 5 and 6.

FOR DRC 1050 (50Hz) MODE

- Select VIDEO without input signal.
- Set to DRC-MF : 1050
- COPY "DAC 00 HCT (DRC 1050, 60Hz)"
to
"DAC 00 HCT (DRC 1050, 50Hz)"
- Copy the Service Item listed in no. 6 and no. 8 from 60Hz data to 50Hz data. Add 9 steps to HPS data and save the data.

FOR WIDE MODE, DRC 1050 (50Hz)

- Set to WIDE MODE : ON
- Using the **[1]** and **[4]** buttons select category GEO (Service Mode).
- Copy the following items from DRC1050 (50Hz) data to wide mode, DRC1050 (50Hz) data.

GEO 00	VSZ	V SIZE
01	VPS	V POSITION
04	HSZ	H SIZE

- Copy the following items from 60Hz data to 50Hz data.

GEO 13	VAS	V ASPECT
14	VSC	V SCROLL

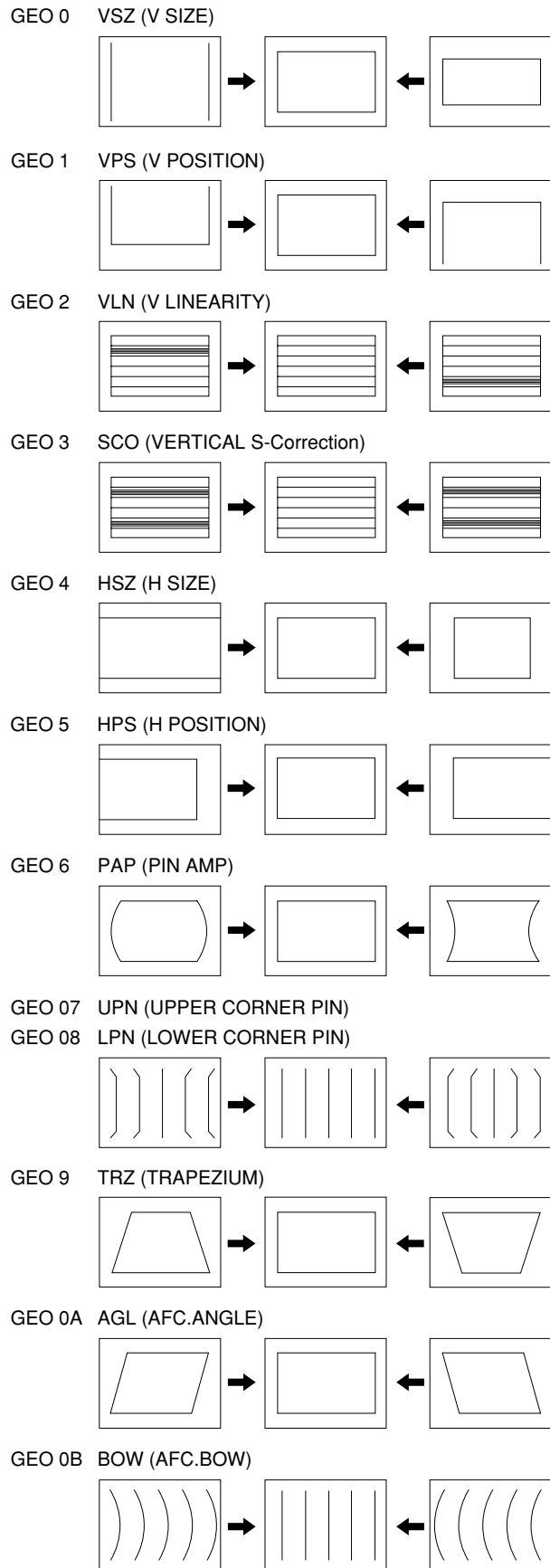
- Copy the Service Item listed in no.15 from 60Hz data to 50Hz data.
- Add 9 steps to HPS data and save the data.

7-5. A BOARD ADJUSTMENT AFTER IC003 (MEMORY) REPLACEMENT

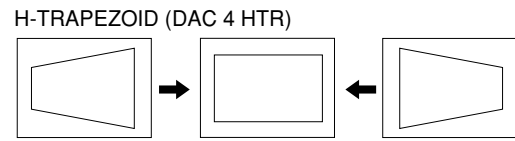
- Enter to Service Mode.
- Press commander buttons **[5]** and **[0]** (Data Initialize), and **[2]** and **[0]** (Data Copy) to initialize the data.
- Call each item number and check if the respective screen shows the normal picture.
In cases where items are not well adjusted, rectify the items with fine adjustment.
Write the data per each item number (**[MUTING]** + **[0]**).
- Select item numbers "OPB00" (OP1), "OPB01" (OP2) and respectively set the bit per model with command buttons **[3]** and **[6]**.
- Press commander buttons **[8]** and **[0]** (Test Normal) to return to the data that was set on the shipment from the factory. (This will also cancel Service Mode.)

7-6. PICTURE DISTORTION ADJUSTMENT (1)

Item Number 00 – 0B

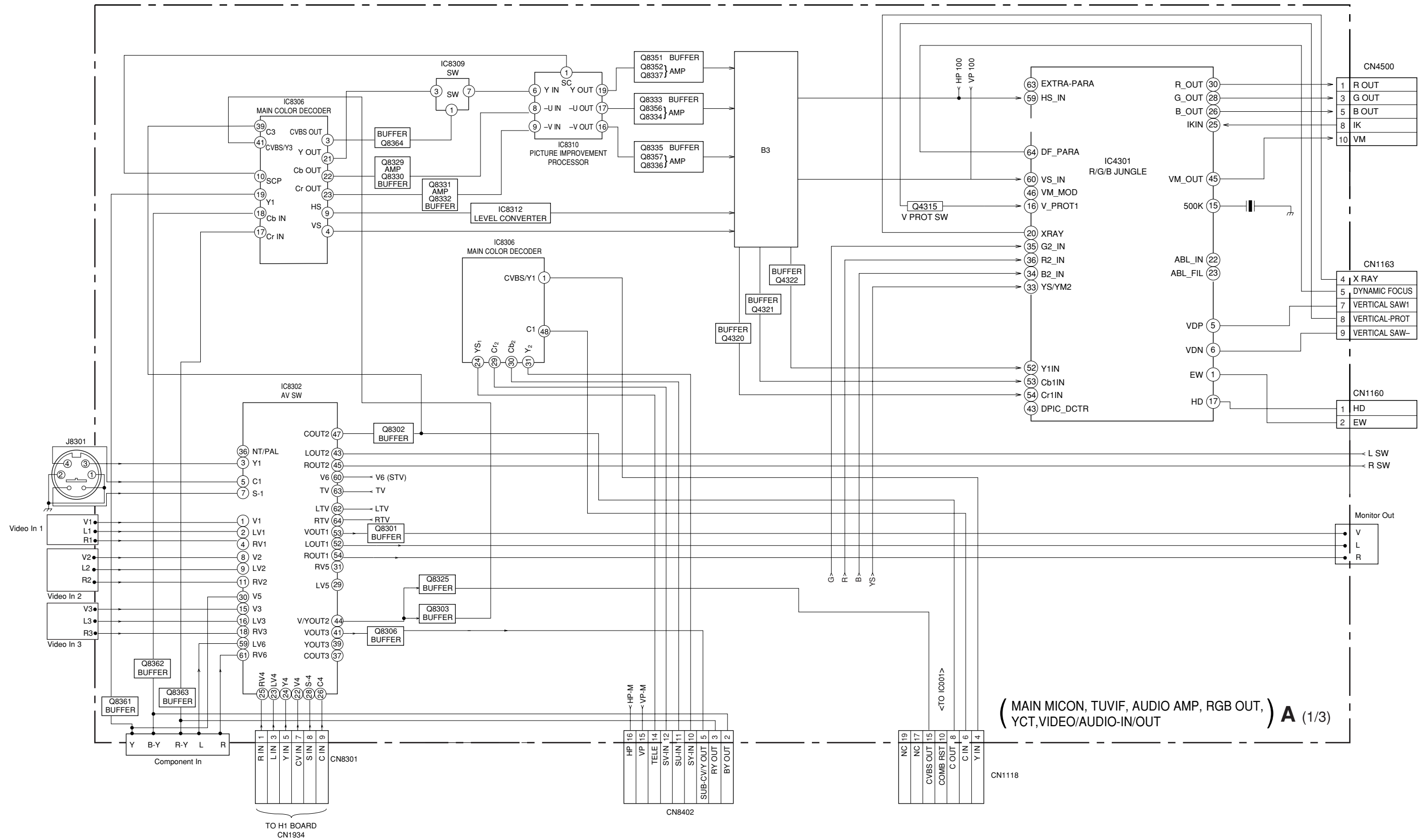


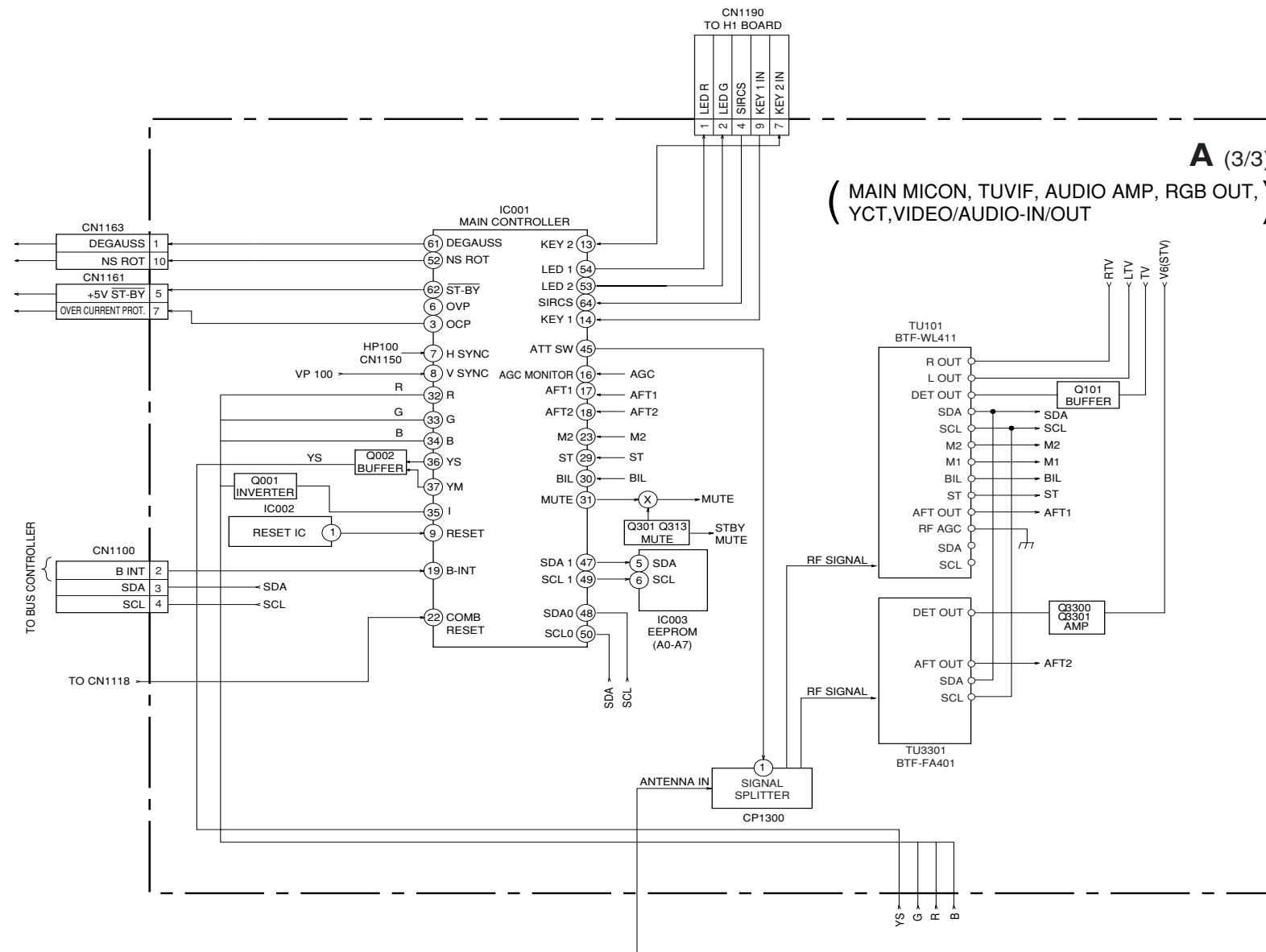
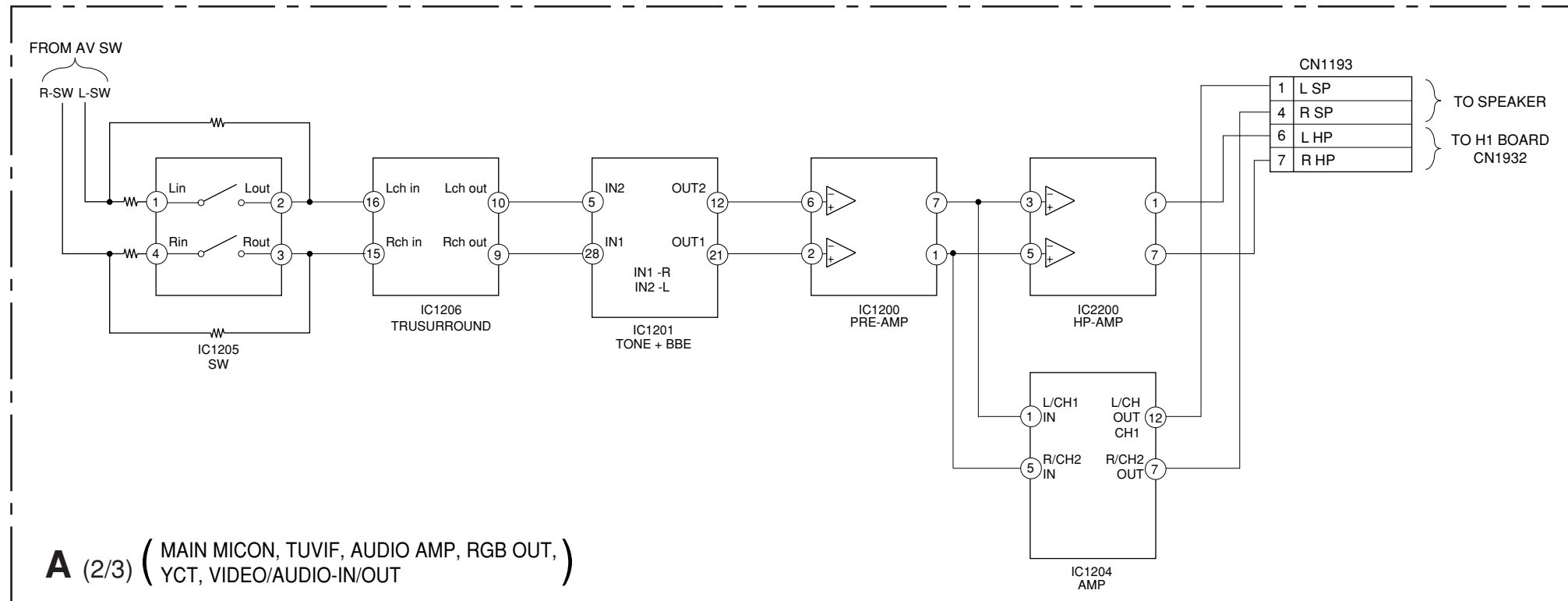
PICTURE DISTORTION ADJUSTMENT (2)

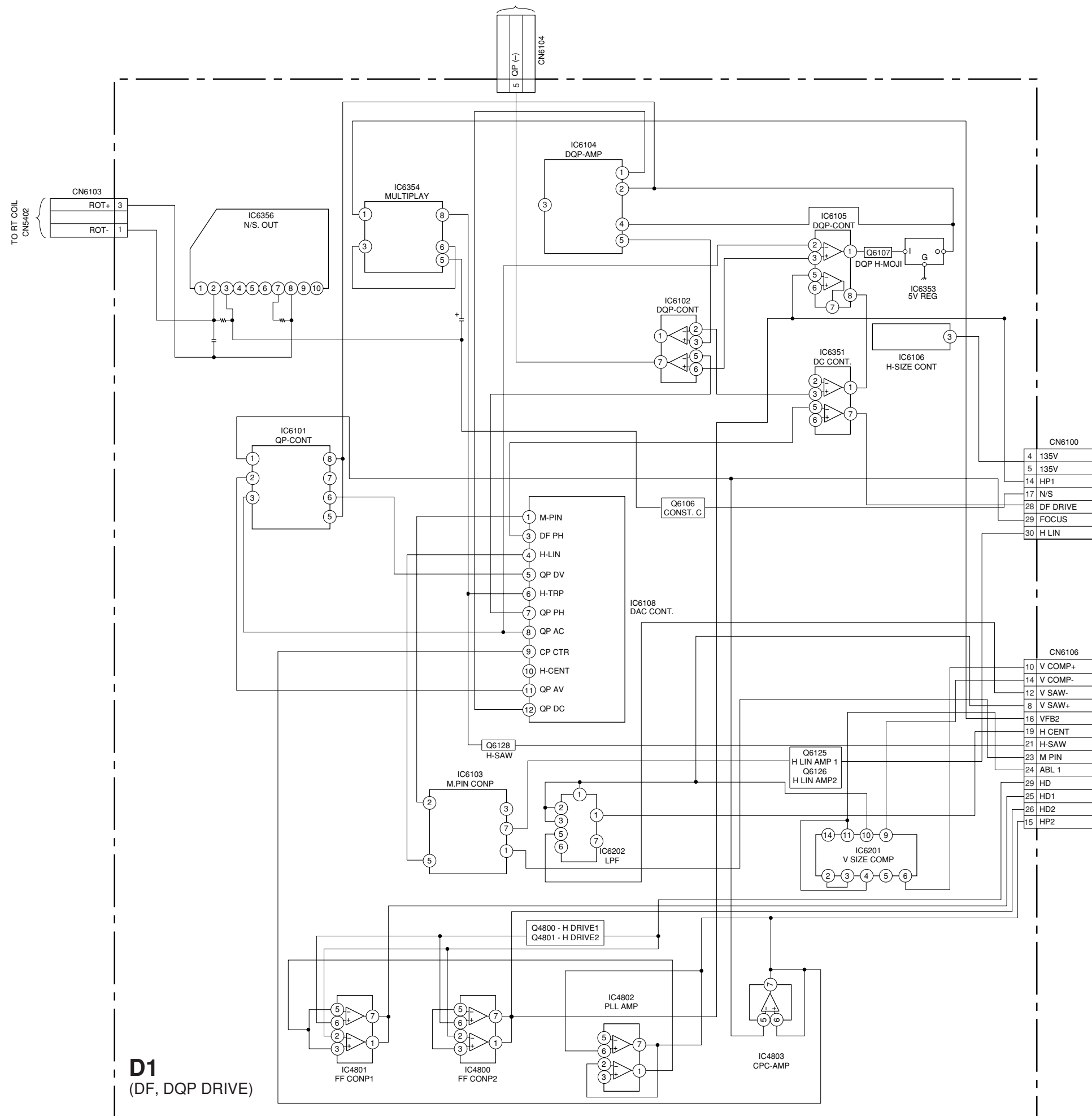


SECTION 8
DIAGRAMS

8-1. BLOCK DIAGRAMS







D1
(DF, DQP DRIVE)

8-2. SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted.
- All electrolytic capacitors are rated at 50V unless otherwise noted.
- All resistors are in ohms.
 $\text{k}\Omega = 1000\Omega$, $\text{M}\Omega = 1000\text{k}\Omega$
- Indication of resistance which does not have rating electrical power is as follows.

Pitch: 5 mm
Rating electrical power 1/4W (CHIP: 1/10W)

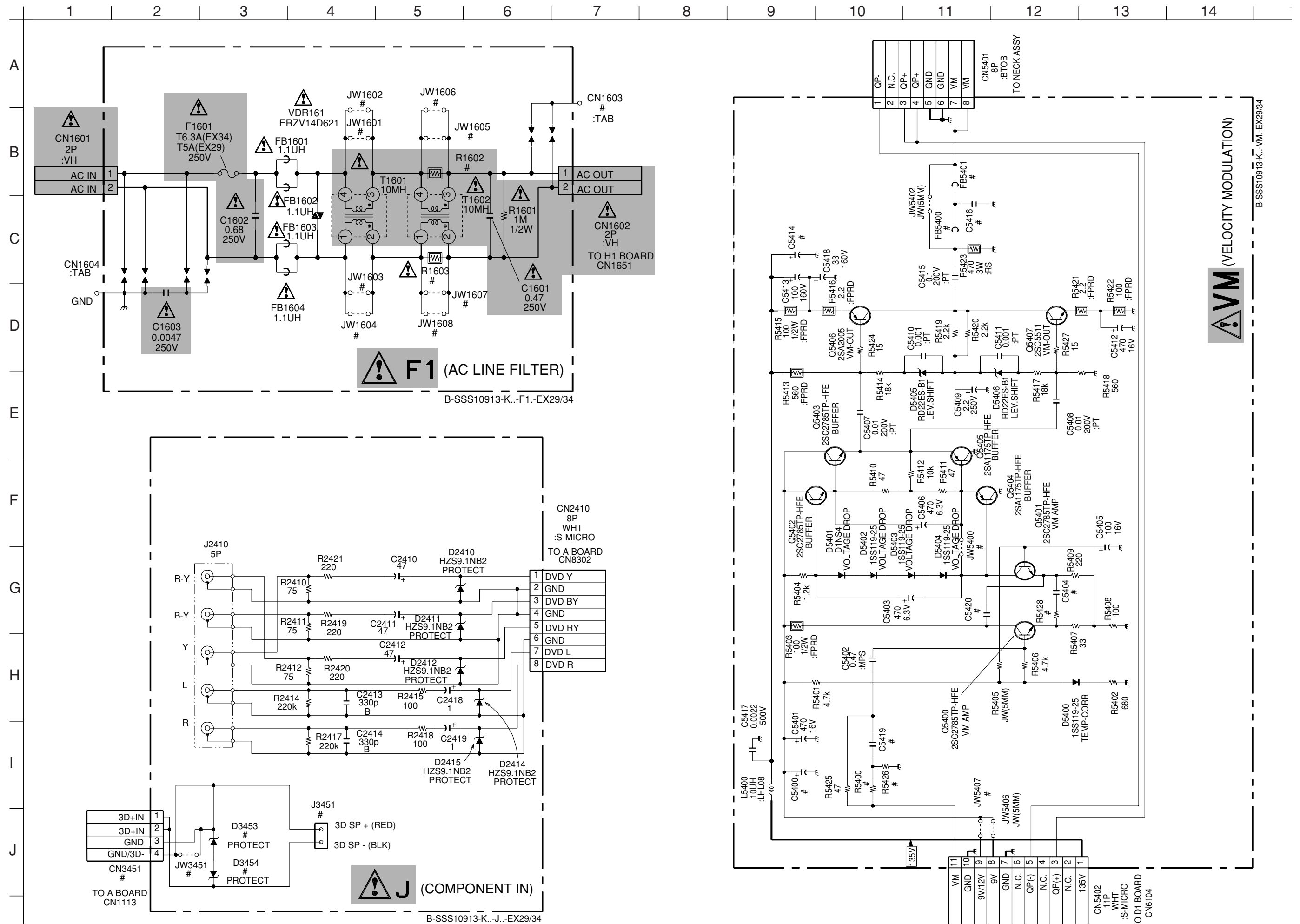
- : nonflammable resistor.
- : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B unless otherwise noted.
- **Readings are taken with a color-bar signal input.**
no mark : COMMON
underline : PAL
() : SECAM
[] : NTSC 3.58
<< >> : NTSC 4.43
- Readings are taken with a 10 M Ω digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in Volt.
- * : Cannot be measured.
- Circled numbers are waveform references.
- : B + bus.
• : B - bus.
• : signal path.

Reference information

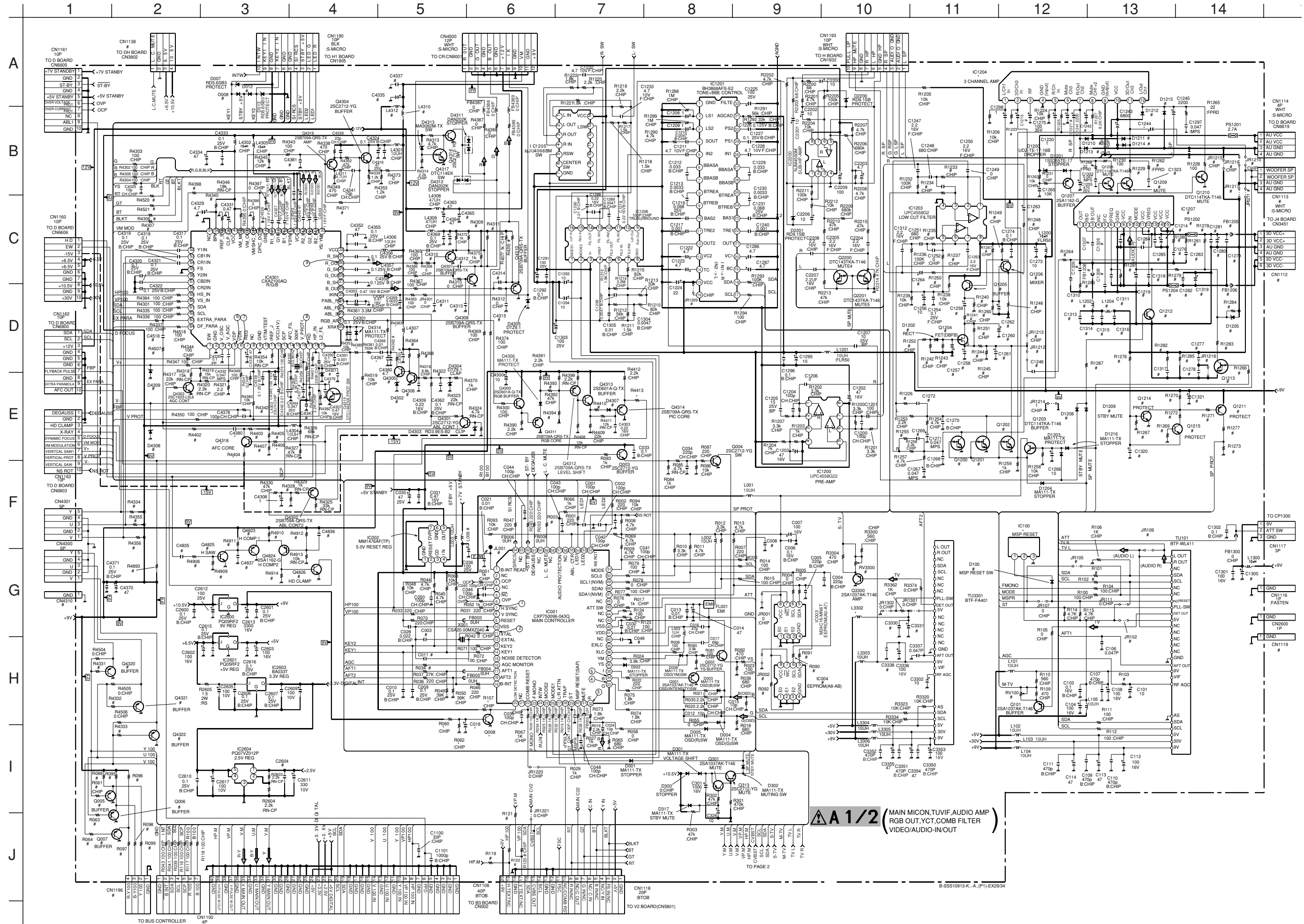
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: *	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

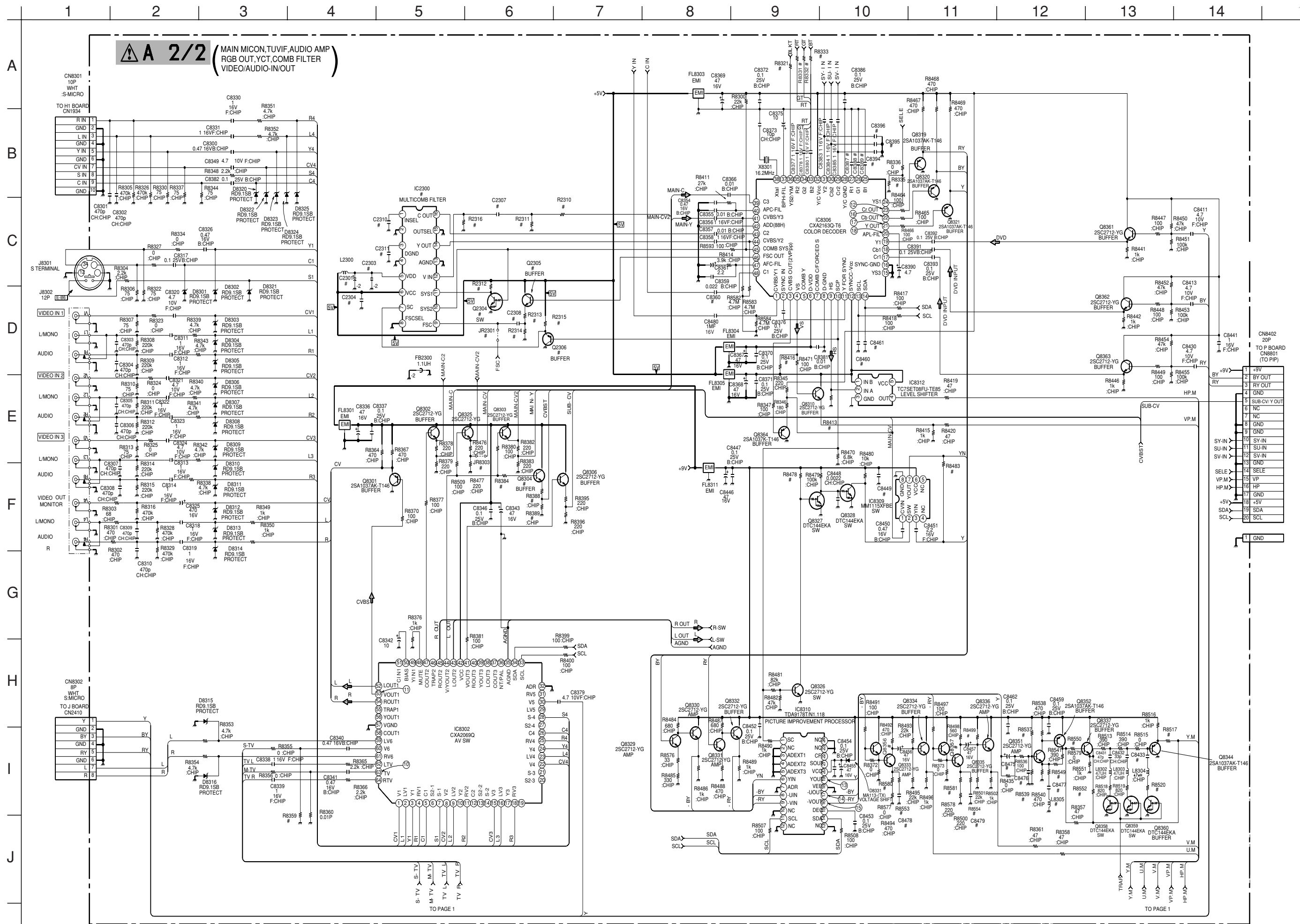
Note: The component identified by shading and mark Δ are critical for safety. Replace only with part number specified.

(1) Schematic Diagrams of F1, J and VM Boards

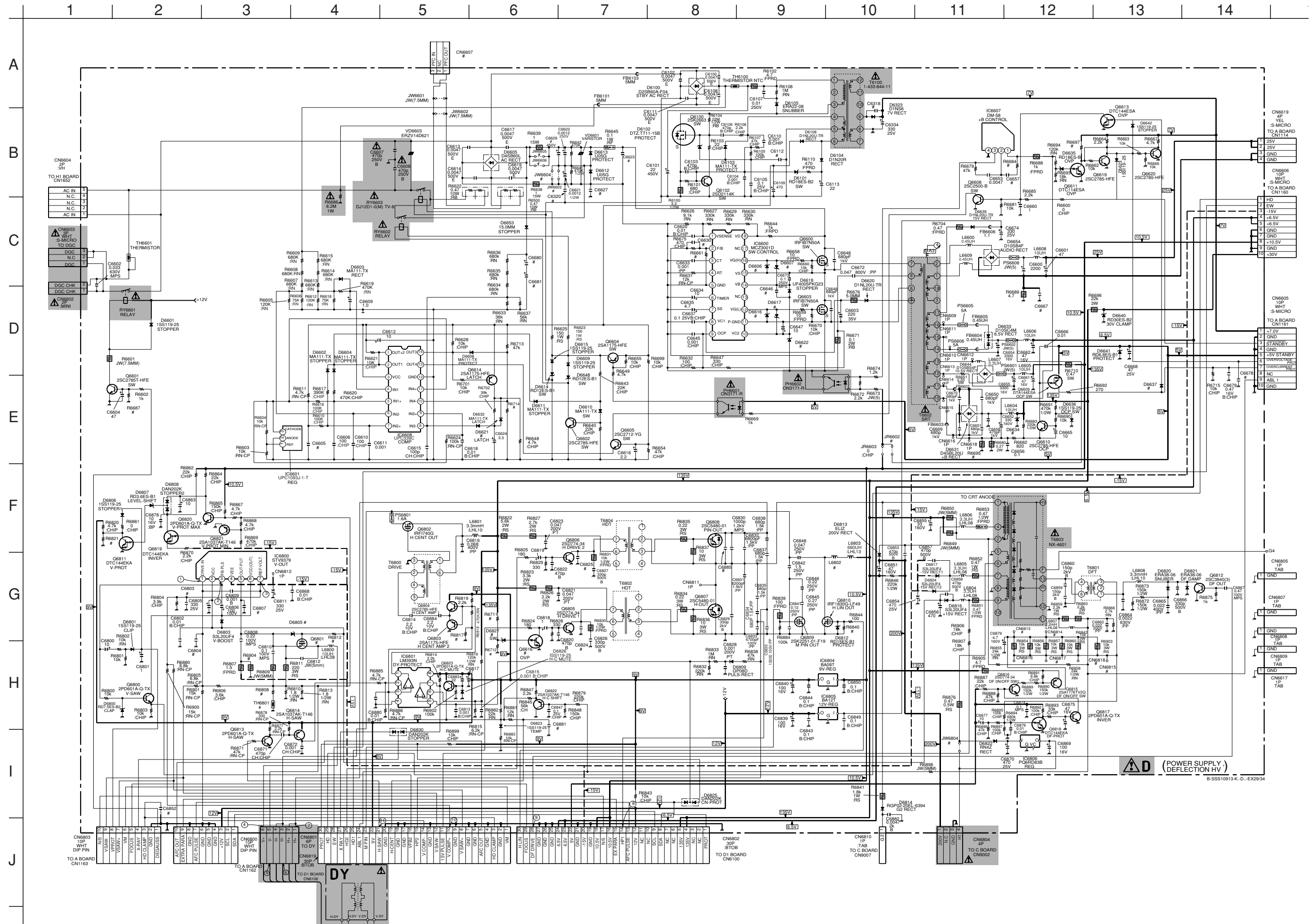


(2) Schematic Diagram of A Board

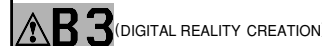
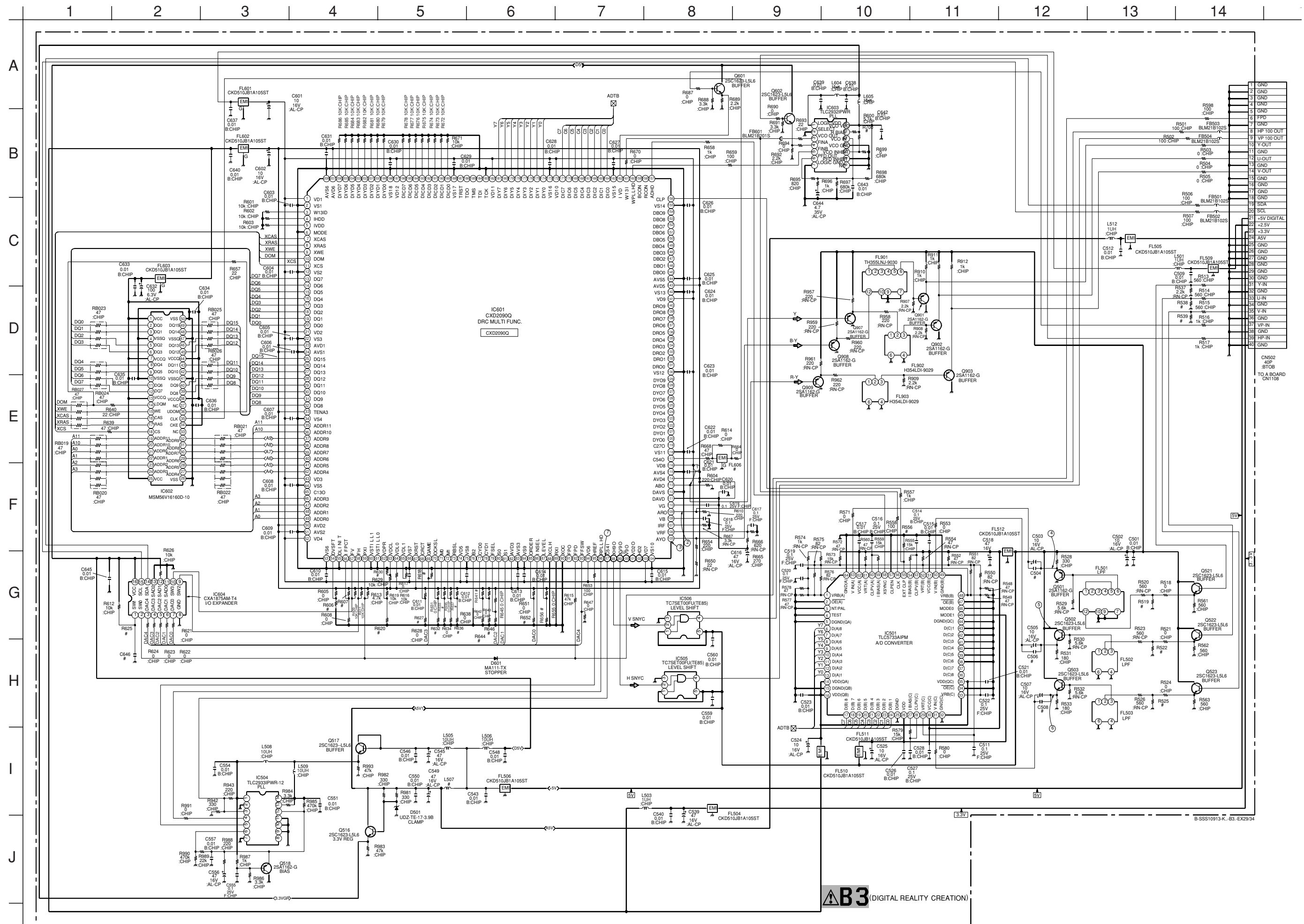




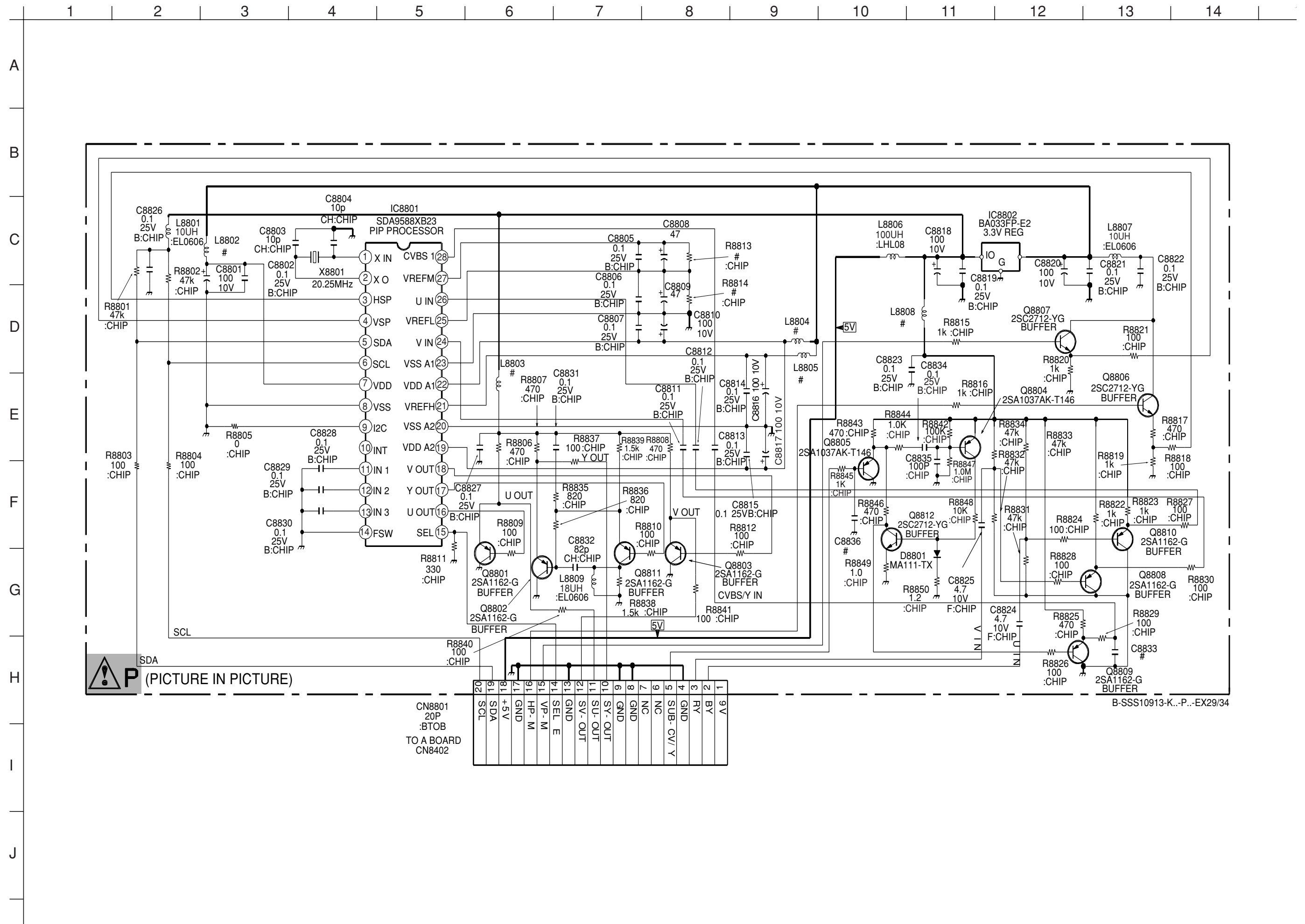
(3) Schematic Diagram of D Board



(5) Schematic Diagram of B3 Board

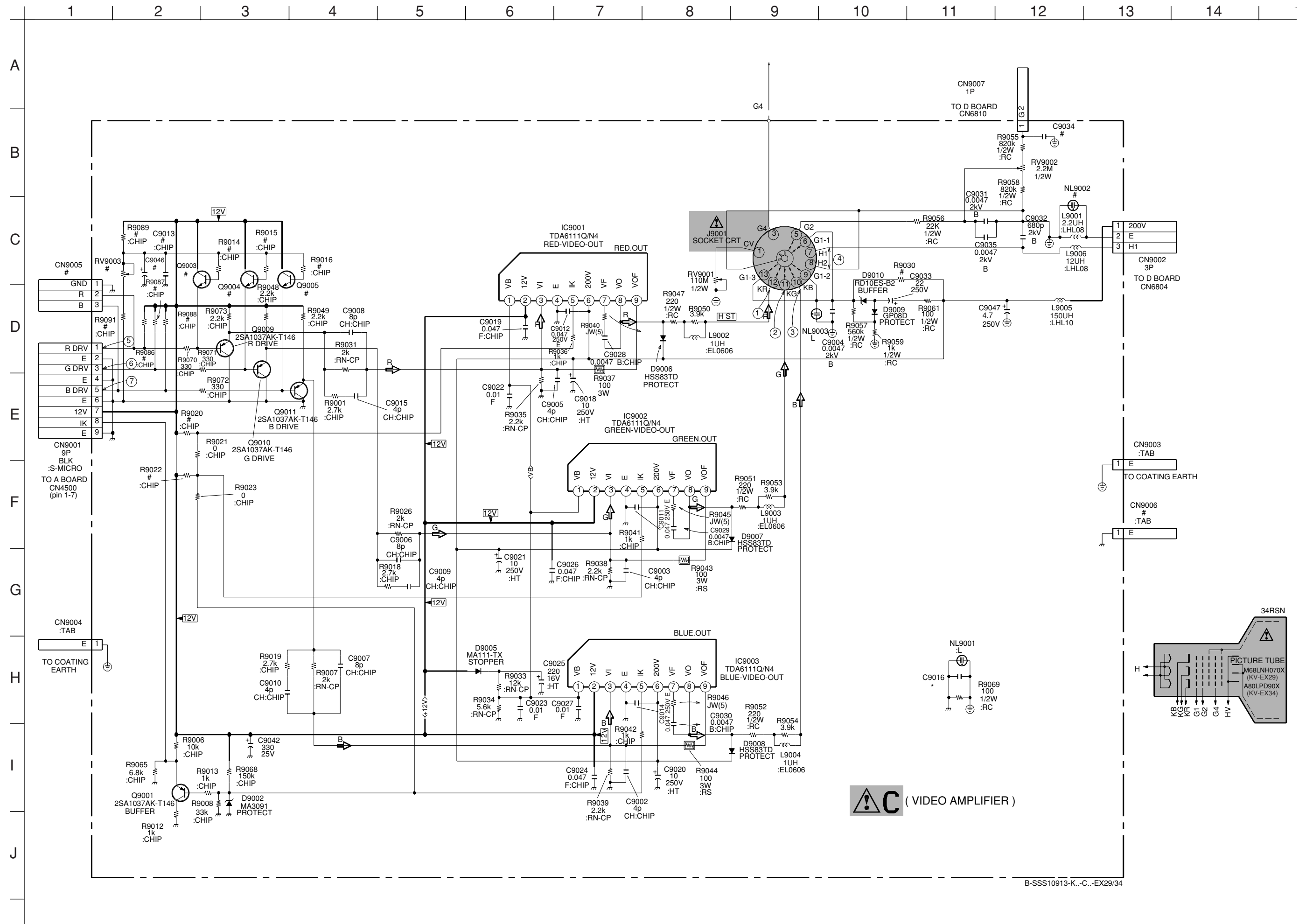


(6) Schematic Diagram of P Board



B-SSS10913-K...P...EX29/34

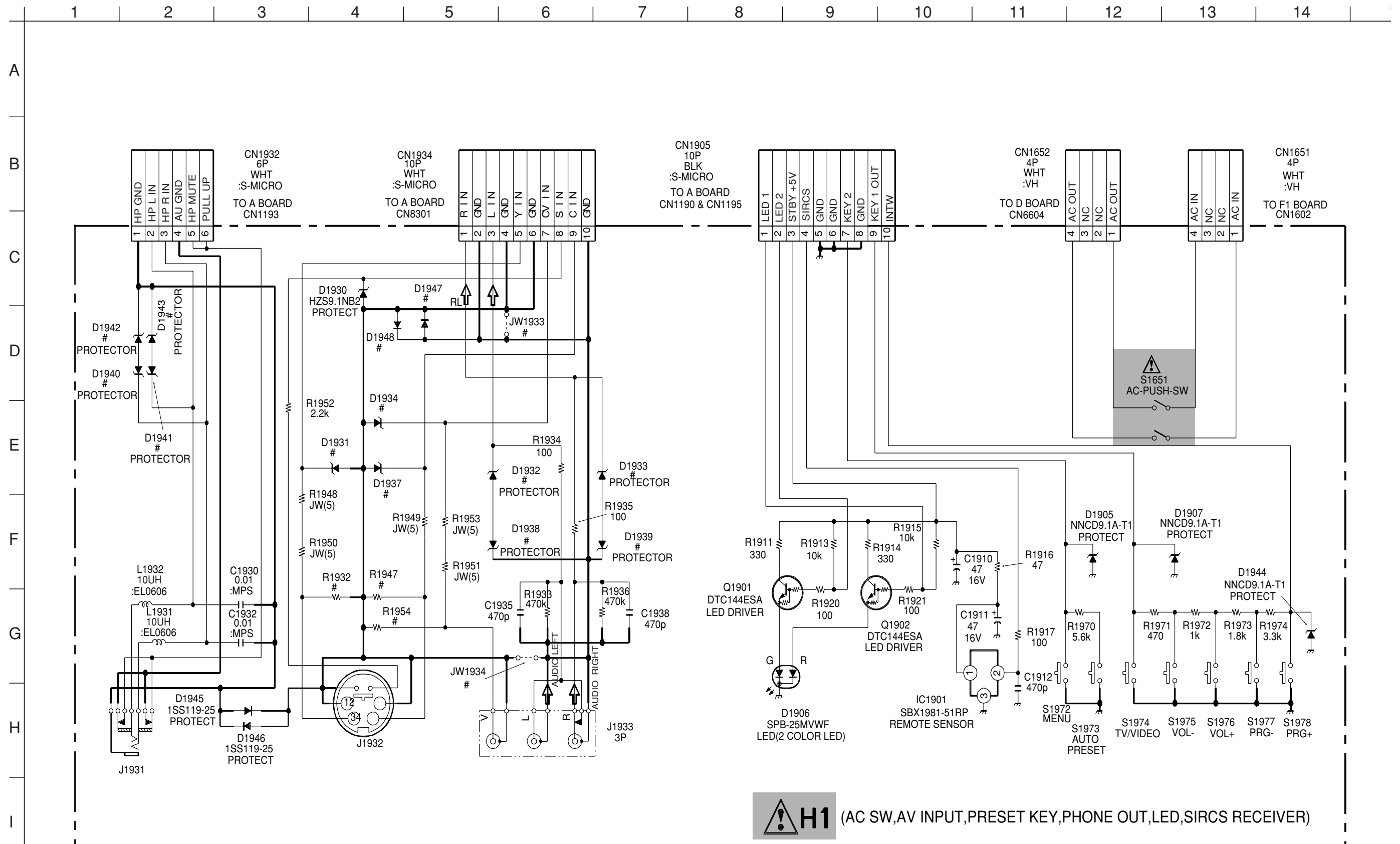
(7) Schematic Diagram of C Board



! C (VIDEO AMPLIFIER)

B-SSS10913-K...-EX29/34

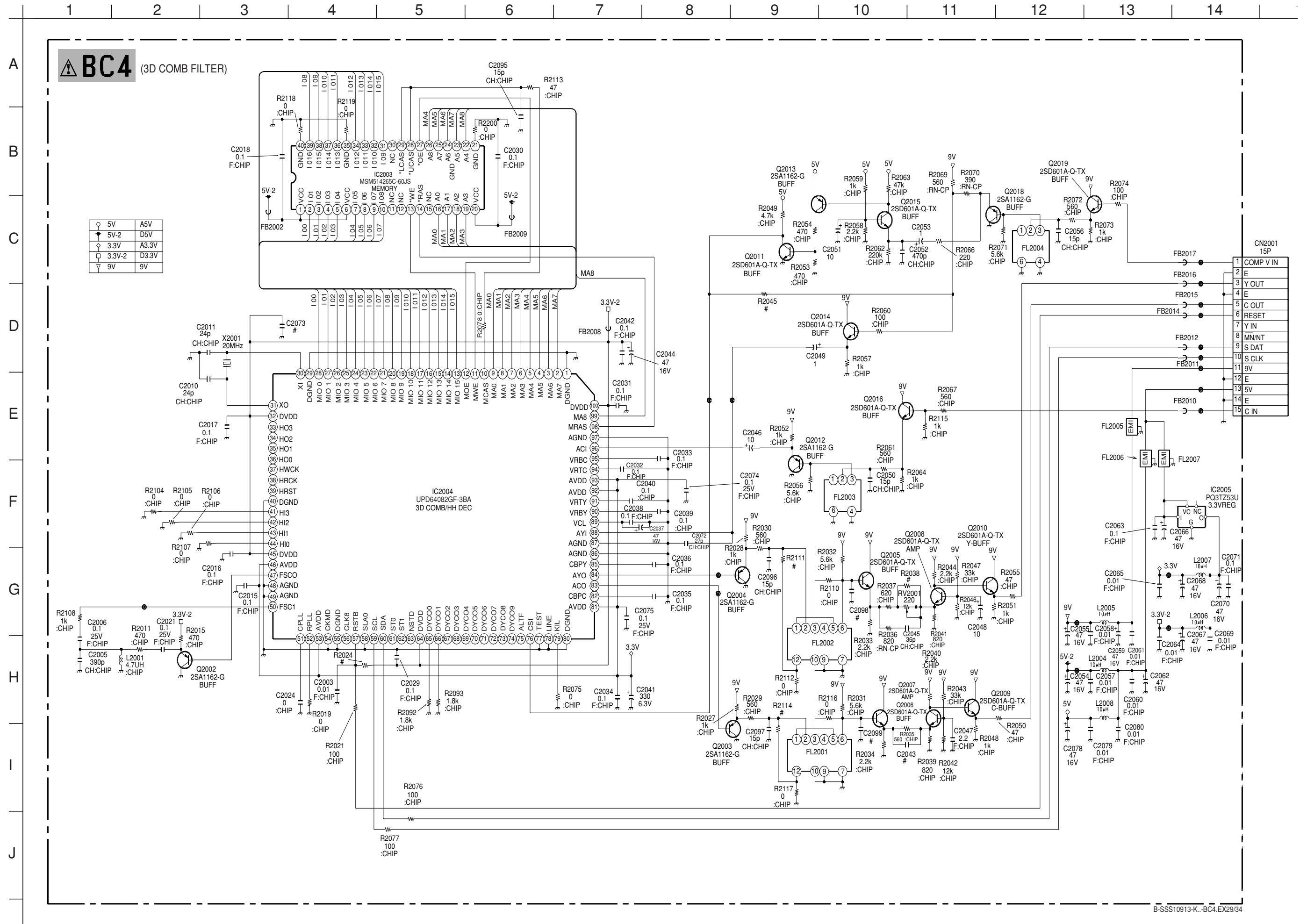
(8) Schematic Diagram of H1 Board



H1 (AC SW, AV INPUT, PRESET KEY, PHONE OUT, LED, SIRCS RECEIVER)

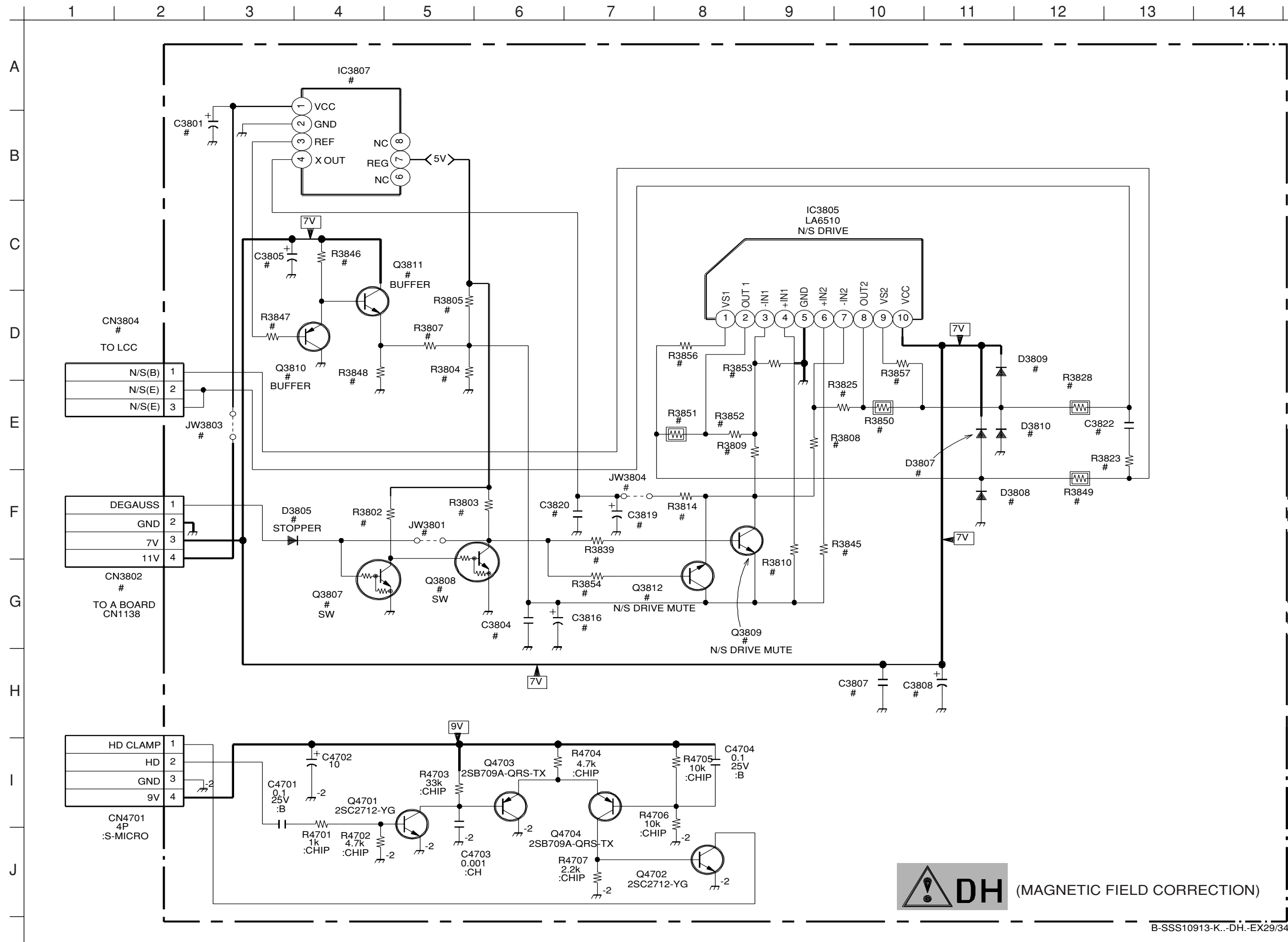
B-SSS10913-K...H1..EX29/34

(9) Schematic Diagram of BC4 Board

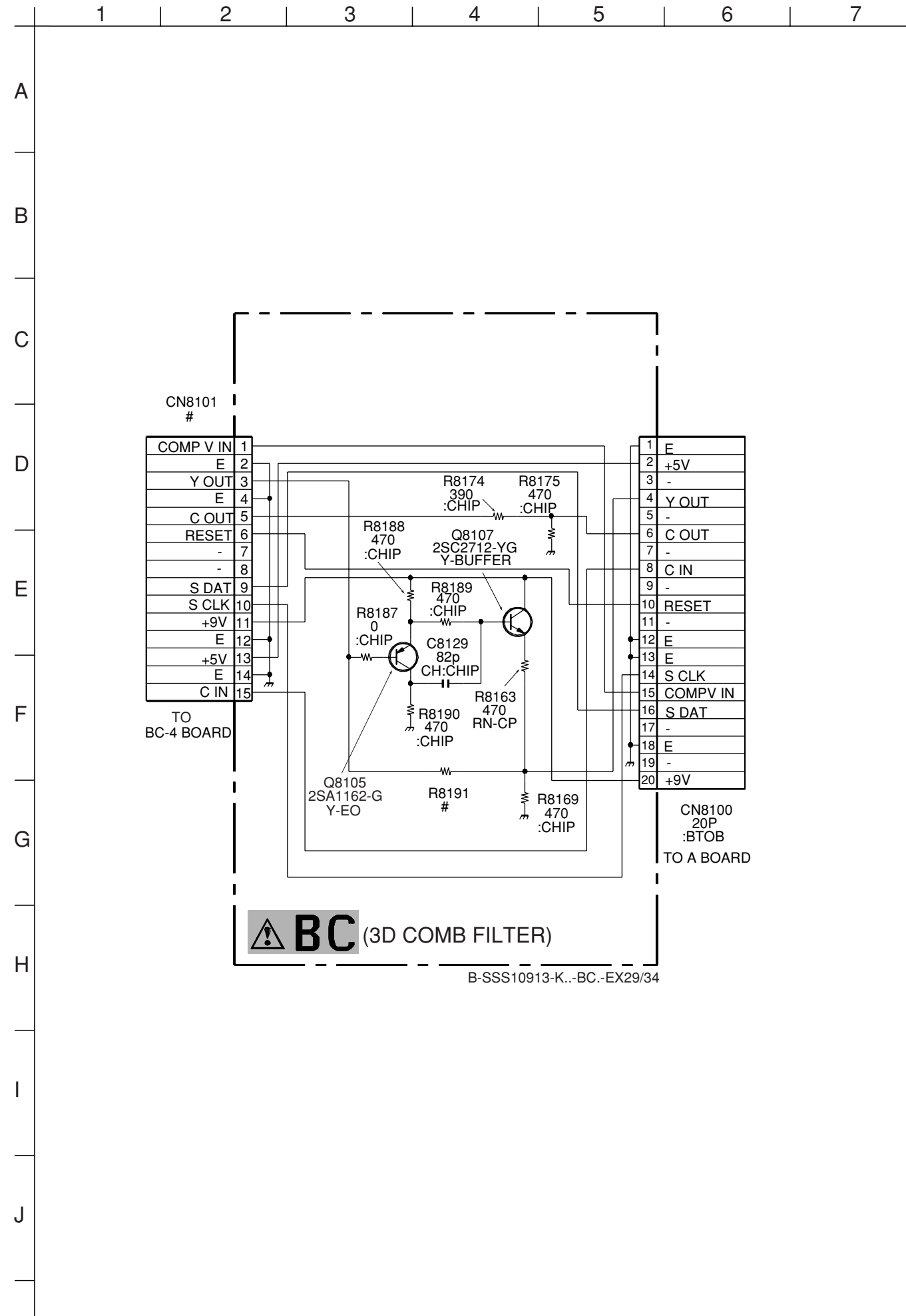


B-SSS10913-K-.BC4.EX29/34

(10) Schematic Diagram of DH Board



(11) Schematic Diagram of BC Board



A Board * Mark List

	KV-EX29K94	KV-EX34K94
C018	#	10010V :CHIP
C1268	0.0047P :CHIP	0.0068P :CHIP
C1270	0.0047P :CHIP	0.0068P :CHIP
C4367	0.033P 50V :CHIP	0.033P 25V :CHIP
C4380	#	0.022 :CHIP
Q008	#	2SC2712-YG
Q4318	#	2SC2712-YG
R060	#	47K :CHIP
R062	#	6.8K :CHIP
R107	#	10K :CHIP
R4383	62K :CHIP	18K :CHIP
R4385	0K :CHIP	1M :CHIP
R4402	#	560K :RN
R4403	#	1K :CHIP
R4404	#	22K :CHIP
R4406	#	100K :CHIP
R4413	56K :CHIP	82K :CHIP

Note: The parts indicated as "#" in this circuit diagram are not listed here, as they are not used for these models.

C Board * Mark List

	KV-EX29K94	KV-EX34K94
C9016	100P :CHIP	220P :CHIP
D9013	0 :CHIP	MA111-TX
R9004	#	680K :CHIP

Note: The parts indicated as "#" in this circuit diagram are not listed here, as they are not used for these models.

D1 Board * Mark List

	KV-EX29K94	KV-EX34K94
C4807	1000P :CHIP	3300P :CHIP
C4814	47 25V	47 16V
C4817	47 25V	47 16V
C4818	2.2	10
C6376	47 25V	47 16V
D4805	#	DAN202K
Q4816	2SA1037AK-T146	2SB709A-QRS-TX
R4849	33K :CHIP	82K :CHIP
R4854	5.6K :CHIP	3.3K :CHIP
R4855	4.7K :CHIP	15K :CHIP
R4857	5.6K :CHIP	12K :CHIP
R4858	#	22K :CHIP
R4864	1.8K :CHIP	1.5K :CHIP
R4865	220 :CHIP	470 :CHIP
R4871	68K :CHIP	56K :CHIP
R4882	220K :CHIP	100K :CHIP
R6131	27K :CHIP	4.7K :CHIP
R6134	7.5K :CHIP	10K :CHIP
R6139	7.5K :CHIP	4.3K :CHIP
R6144	270K :CHIP	#
R6154	6.8K :CHIP	10K :CHIP
R6159	5.6 :CHIP	6.8K :CHIP
R6195	10K :CHIP	5.6K :CHIP
R6200	75K :CHIP	180K :CHIP
R6457	22K :CHIP	39K :CHIP

Note: The parts indicated as "#" in this circuit diagram are not listed here, as they are not used for these models.

D Board * Mark List

	KV-EX29K94	KV-EX34K94
C6816	0.047 400V :PP	0.068 400V :PP
C6828	0.001 200V :PT	0.01 200V :PT
C6829	100P 2KV :CHIP	330P 2KV :CHIP
C6830	#	1000P 1.2KV :MPS
C6831	6200P 1.5KV :MPS	8200P 1.5KV :MPS
C6832	6800P 1.5KV :MPS	0.012 1.5KV :MPS
C6842	0.47 250V :PP	1.5 250V :PP
C6845	0.22 250V :PP	0.27 250V :PP
C6846	0.18 250V :PP	0.22 250V :PP
C6860	220P 2KV :CHIP	150P 2KV :CHIP
C6869	#	100 16V
C6870	#	470 25V
C6880	0.1 25V :CHIP	0.01 :CHIP
C6885	220P 2KV :CHIP	#
C6886	#	470P :CHIP
CN6804	3P	#
D6822	#	RN4Z
IC6806	#	PQ6RD83B
L6801	4.7MH	3.3UH
L6802	#	1.0MH
L6803	2.2MH	680UH
Q6802	IRF720-LF49	IRF1740G
R6804	3.9K :CHIP	3.3K :CHIP
R6806	3.9K :CHIP	3.3K :CHIP
R6826	2.7K 2W :RS	2.2K 2W :RS
R6827	3.3K 2W :RS	2.7K 2W :RS
R6845	180K :CHIP	56K :CHIP
R6855	27K 1/2W :RN	24K 1/2W :RN
R6858	27K 1/2W :RN	24K 1/2W :RN
R6865	180K :CHIP	150K :CHIP
R6866	3.3K :RN	2.7K :RN
R6869	560K :CHIP	470K :CHIP
R6876	1.5 3W :RS	0.47 1/2W
R6881	22K :RN	12K :RN
R6882	30K :RN	22K :RN
R6900	15K :CHIP	12K :CHIP
R6901	15K :CHIP	12K :CHIP
T6803	NX4522/J1B4	NX-4601/J1B4

Note: The parts indicated as "#" in this circuit diagram are not listed here, as they are not used for these models.

F1 Board * Mark List

	KV-EX29K94	KV-EX34K94
F1601	FUSE - 5A/250V	FUSE - 6.3A/250V

Note: The parts indicated as "#" in this circuit diagram are not listed here, as they are not used for these models.

8-3. VOLTAGE MEASUREMENTS

A(1/4) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]		
IC001	1	4.8		5	4.9		6	4.5		
	2	0		6	0		7	4.5		
	3	0		7	0.9		8	9.0		
	4	0.8		IC003	1		0	IC1204	1	0
	5	0.8			2		0		2	0
	6	0			3		0		3	27.5
	7	0.4			4		0		4	0
	8	0			5		4.9		5	0
	9	4.9	6		4.9	6	<(0.6)>[3.5]			
	10	0	7		0	7	13.6			
	11	2.2	8		4.9	8	1.4[3.5]<(0.9)>			
	12	[(*)]<2.2>	IC004	1	0		9	0		
	13	4.9		2	0		10	28.3		
	14	4.9		3	<[4.9]>(0)		11	13.2		
	15	[(0.6)]<1.6>		4	0		12	13.4		
	16	[(0.5)]<1.6>		5	0		IC1205	1	4.5	
	17	2.4		6	4.9			2	4.5	
	18	1.0		7	0			3	4.5	
	19	4.9		8	[0]<(4.9)>			4	4.5	
	20	0	IC100	1	4.9	5		4.9		
	21	0		2	4.9	6		0.4		
	22	4.9		3	0	7		0		
	23	0	IC1200	1	4.5			8	0.2	
	24	[(0.5)]<1.6>		2	4.5		9	0.2		
	25	0		3	4.5		10	0.2		
	26	0		4	0		11	0.2		
	27	4.9		5	<(4.5)>[4.9]		12	<(0.2)>[0]		
	28	0		6	4.5		13	4.9		
	29	4.8		7	<(4.5)>[0]		14	9.0		
	30	4.9		8	<(9.0)>[0]		IC1206	1	*	
	31	4.9	IC1201	1	0	2		*		
	32	0		2	<[0]>(0.9)	3		*		
	33	0		3	<(1.2)>[0]	4		*		
	34	0		4	4.5	5		*		
	35	4.9		5	4.5	6		*		
	36	0		6	4.5	7		*		
	37	0		7	4.5	8		*		
	38	2.5		8	4.5	9	4.5			
	39	2.5	9	4.5	10	4.5				
	40	4.7	10	4.5	11	4.5				
	41	4.9	11	4.5	12	4.5				
	42	0	12	4.5	13	4.5				
	43	[(0.5)]<1.6>	13	<(0.6)>[0]	14	4.5				
	44	0.6	14	2.5	15	4.5				
	45	0	15	<(9.0)>[0.2]	16	4.5				
	46	0	16	4.6	IC1207	1	0			
	47	4.9	17	4.6		2	0			
	48	4.7	18	2.8		3	0			
	49	4.9	19	<(0.6)>[0]		4	0.1			
	50	4.6	20	4.5		5	0			
	51	0	21	4.5		6	0			
	52	2.6	22	4.5		7	0			
	53	0	23	4.5		8	0			
	54	[(4.5)]<0>	24	4.5	9	0				
	55	0.1	25	4.5	10	0				
	56	0	26	4.5	11	0				
	57	0	27	4.5	12	0				
	58	0	28	4.5	13	0				
	59	0	29	0<[(4.5)]>	14	0				
	60	0	30	<(3.2)>[0]	15	0				
	61	0	31	<(4.5)>[3.3]	IC2200	1	4.5			
	62	4.4	32	4.4		2	4.5			
	63	0.4	IC1203	1		4.5	3	4.3		
	64	4.8		2		[0]<(4.5)>	4	0		
IC002	1	0		3		<[4.5]>(0)	5	<(4.2)>[0]		
	2	4.9		4		0	6	[(0)]<4.5>		
	3	4.9		5		4.5	7	4.6		
	4	7.0					8	9.1		

A(2/4) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC2300	1	0.9		42	0		47	[0]<(4.4)>
	2	2		43	0		48	0
	3	1.3		44	0		49	4.2
	4	0		45	[0]<(6.6)>		50	4.5
	5	4.9		46	[0]<(9.1)>		51	4.4
	6	4.9		47	9.1		52	4.5
	7	1.5		48	6.0		53	4.5
	8	0		49	2.6		54	4.5
	9	0.6		50	4.1		55	[0]<(3.8)>
	10	[(3.6)]<0>		51	0		56	3.2
	11	[(0)]<4.9>		52	0		57	0
	12	1.4		53	6.0		58	[0]<(4.3)>
	13	0		54	6.0		59	4.5
	14	1.5		55	0		60	4.2
	15	0		56	6.0		61	4.5
	16	1.5		57	6.0		62	4.5
IC2600	I	13.0	58	6.0	63	4.3		
	G	9.1	59	0.4	64	4.5		
	O	0	60	0	IC8305	I		
IC2601	I	7.5	61	4.6		G	0	
	G	0	62	[0]<(4.6)>		O	9.1	
	O	5.0	63	4.4		IC8306	1	
IC2603	I	7.3	64	3.6	2		[0.1]<(1.9)>	
	G	0	IC8302	1	4.4		3	[0]<(1.6)>
	O	3.3		2	4.5		4	0.1
IC2604	1	1.2		3	4.0		5	2.6
	2	2.6		4	[0]<(4.5)>		6	4.9
	3	4.8		5	4.4		7	2.6
IC4301	1	4.0		6	0.1		8	0
	2	0		7	5.0		9	0.3
	3	4.4		8	4.0		10	0.9
	4	4.7		9	4.5		11	2.5
	5	3.5		10	[0]<(4.2)>		12	4.9
	6	<[3.4]>(0)		11	0.3		13	4.6
	7	7.6		12	4.4		14	4.6
	8	0		13	0.1		15	0
	9	0		14	5.0		16	0
	10	0.4		15	4.0	17	2.5	
	11	1.8		16	4.5	18	2.5	
	12	[0]<(9.1)>	17	4.2	19	1.4		
	13	1.0	18	4.5	20	2.3		
	14	5.1	19	4.4	21	1.8		
	15	2.6	20	0.1	22	1.8		
	16	0	21	[0]<(5.0)>	23	[0]<(1.8)>		
	17	3.5	22	4.0	24	0.1		
	18	2.7	23	4.5	25	[0]<(1.9)>		
	19	4.2	24	4.0	26	[0]<(1.9)>		
	20	0	25	4.5	27	[0]<(1.9)>		
	21	[0]<(6.3)>	26	4.4	28	0		
	22	1.7	27	0.1	29	<[0]>(2.0)		
	23	[6.5]<(0)>	28	5.0	30	[0](2.0)<1.6>		
	24	0	29	4.5	31	<[0]>(1.2)		
25	0	30	[0]<(4.5)>	32	[0.1]<(4.9)>			
26	2.4	31	4.5	33	[0.1]<(2.5)>			
27	3.3	32	0	34	[0]<(2.5)>			
28	2.6	33	4.6	35	[0]<(2.50)>			
29	2.6	34	4.6	36	0			
30	2.4	35	0	37	[0]<(1.1)>			
31	3.3	36	0	38	3.9			
32	9.1	37	4.4	39	1.8			
33	0	38	4.5	40	3.3			
34	4.8	39	3.8	41	[0]<(2.3)>			
35	4.8	40	4.5	42	0			
36	4.8	41	4.5	43	0			
37	9.1	42	9.0	44	[0]<(2.3)>			
38	0	43	4.5	45	3.6			
39	[0]<(4.3)>	44	4.3	46	2.3			
40	4.3	45	4.5	47	[0]<(3.6)>			
41	4.3	46	3.8	48	1.7			

A(3/4) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	
IC8309	1	3.0	Q1203	B	0	Q4308	B	2.5	
	2	5.3		C	5.0		C	0	
	3	2.8		E	(0.2)<[0]>		E	3.2	
	4	0	Q1204	D	0	Q4310	B	2.4	
	5	0		G	0		C	0	
	6	9.0		S	0		E	[0]<(3.1)>	
	IC8310	7	2.0	Q1205	B	[(0)]<5.5>	Q4311	B	5.5
		8	0		C	[(0)]<9.0>		C	0
			E		[0]<(4.9)>	E		6.2	
1		0.8	Q1206	B	2.9	Q4312	B	8.0	
2		0		C	<5.5>[(0)]		C	1.4	
3		0		E	<(2.3)>[0]		E	8.6	
4		0	Q1207	B	28.0	Q4313	B	*	
5		0		C	0		C	*	
6		2.0		E	18.1		E	*	
7		0	Q1208	B	0	Q4314	B	0.9	
8		5.0		C	13.2		C	0	
9		5.8		E	0		E	1.6	
10		0	Q1209	B	0	Q4315	B	[(3.2)]<3.5>	
11		4.6		C	13.2		C	0	
12		0		E	0		E	0	
13		0	Q1210	B	0	Q4316	B	<(3.0)>[2.5]	
14		4.6		C	<(13.4)>[0]		C	<(4.5)>[0]	
15		5.1		E	0		E	3.2	
16		2.5	Q1211	B	9.0	Q4317	B	<(0)>[3.1]	
17		2.5		C	0		C	4.5	
18		0		E	9.0		E	<(0)>[3.2]	
19		2.9	Q1215	B	0	Q4319	B	6.5	
20		8.2		C	[0]<(9.0)>		C	1.9	
21		2.5		E	0		E	7.1	
IC8312	22	0.2	Q2200	B	0	Q4320	B	1.6	
	23	0		C	0		C	0	
	24	0		E	0		E	2.2	
	1	4.9	Q2201	B	0	Q4321	B	1.8	
	2	0.3		C	0		C	0	
Q001	B	4.9	Q2304	B	[(3.6)]<0>	Q4322	B	1.8	
	C	0		C	[(0)]<4.9>		C	0	
	E	0.6		E	0		E	2.4	
Q002	B	0	Q2305	B	[(2.3)]<3.1>	Q4823	B	1.1	
	C	4.9		C	4.9		C	0	
	E	0		E	[(1.5)]<2.3>		E	1.7	
Q003	B	0.4	Q2306	B	0.8	Q4824	B	*	
	C	4.9		C	0		C	*	
	E	0.3		E	1.5		E	*	
Q004	B	0.1	Q3300	B	<(4.6)>[0]	Q4825	B	[(0)]<-1.0>	
	C	0		C	0		C	[9.1]<(0)>	
	E	0		E	4.6		E	[0.8]<(0)>	
Q005	B	1.6	Q4300	B	6.2	Q4826	B	*	
	C	0		C	9.1		C	*	
	E	2.2		E	<(5.5)>[0]		E	*	
Q006	B	1.8	Q4301	B	-11.9	Q8301	B	4.5	
	C	0		C	1.7		C	0	
	E	2.4		E	-11.7		E	5.2	
Q007	B	1.8	Q4302	B	0	Q8302	B	4.4	
	C	0		C	11.7		C	9.0	
	E	2.4		E	<(0.6)>[0]		E	3.8	
Q101	B	<(2.8)>[0]	Q4303	B	<(0.3)>[0]	Q8303	B	4.4	
	C	0		C	<(1.6)>[3.2]		C	9.0	
	E	3.4		E	0		E	3.7	
Q301	B	[0]<(12.9)>	Q4304	B	7.1	Q8304	B	4.4	
	C	0		C	9.1		C	9.0	
	E	12.3		E	6.5		E	3.8	
Q313	B	*	Q4307	B	<(2.8)>[0]	Q8306	B	4.2	
	C	*		C	<(0)>[4.5]		C	9.0	
	E	*		E	0		E	3.6	

A(4/4) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
Q8308	B	3.8	Q8330	B	5.6	Q8352	B	8.4
	C	9.0		C	9.0		C	3.7
	E	3.1		E	5.0		E	9.0
Q8309	B	4.4	Q8331	B	2.4	Q8358	B	0
	C	9.0		C	6.4		C	0
	E	3.8		E	1.8		E	0
Q8310	B	0.1	Q8332	B	6.4	Q8359	B	0
	C	4.9		C	9.0		C	0
	E	<(0.1)>[0]		E	5.8		E	0
Q8319	B	[0]<(1.8)>	Q8333	B	2.5	Q8360	B	0
	C	0		C	[(7.1)]<6.7>		C	0
	E	2.4		E	1.9		E	0
Q8320	B	1.8	Q8334	B	4.4	Q8361	B	3.0
	C	0		C	9.0		C	4.9
	E	2.4		E	3.8		E	2.4
Q8321	B	1.7	Q8335	B	2.5	Q8362	B	3.0
	C	0		C	<7.1>[(6.7)]		C	4.9
	E	2.3		E	1.9		E	2.4
Q8326	B	0.2	Q8336	B	4.4	Q8363	B	3.0
	C	3.4		C	9.0		C	5.0
	E	0		E	3.8		E	2.4
Q8327	B	3.5	Q8337	B	0	Q8364	B	1.6
	C	0.2		C	9.0		C	0
	E	0		E	0		E	2.2
Q8328	B	0.2	Q8344	B	0			
	C	5.3		C	0			
	E	0		E	0.7			
Q8329	B	2.4	Q8351	B	2.9			
	C	5.6		C	8.4			
	E	1.8		E	2.3			

D1(2/2) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
Q4821	B	4.3	Q6108	B	1.7	Q6202	B	-0.6
	C	0		C	0		C	2.6
	E	0		E	2.4		E	0
Q4822	B	0	Q6118	B	0	Q6203	B	-6.0
	C	0		C	4.1		C	-2.3
	E	0		E	0		E	-6.6
Q6103	D	30.2	Q6124	B	0	Q6350	B	0.4
	G	4.4		C	1.5		C	2.1
	S	0		E	0		E	0
Q6104	B	0.6	Q6125	B	1.5	Q6356	B	0.4
	C	2.9		C	8.9		C	1.7
	E	0		E	1.6		E	0
Q6105	B	3.4	Q6126	B	1.5	Q6405	B	-0.6
	C	5.0		C	0		C	-4.5
	E	2.9		E	1.6		E	0
Q6106	B	2.5	Q6128	B	1.1	Q6455	B	2.6
	C	-3.3		C	8.9		C	8.9
	E	3.1		E	2.8		E	1.9
Q6107	B	10.8	Q6201	B	0.4			
	C	4.8		C	4.8			
	E	11.1		E	0			

D1(1/2) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]			
IC4800	1	0.3	IC6108	7	0	Q4800	4	-3.3			
	2	4.4		8	6.5		5	-15.0			
	3	4.5		1	2.5		6	-3.5			
	4	0		2	2.6		7	-3.0			
	5	4.5		3	2.4		8	-4.0			
	6	3.4		4	0.8		9	-4.1			
	7	0.4		5	2.4		10	11.7			
	8	9.0		6	1.4		B	1.2			
IC4801	1	0.3		7	1.9		C	3.3			
	2	4.4		8	2.8		E	0			
	3	4.5		9	1.2	Q4801	B	0.6			
	4	0		10	3.1		C	5.6			
	5	4.5		11	2.0		E	0			
	6	3.1		12	2.5	Q4802	B	1.3			
	7	0.4		13	0		C	4.4			
	8	9.0		14	0		E	0			
IC4802	1	4.5		15	0	Q4803	B	0			
	2	4.5		16	0		C	8.9			
	3	4.5		17	0		E	5.1			
	4	0		18	0	Q4804	B	0.4			
	5	0.8		19	0		C	3.8			
	6	0.7		20	4.6		E	0			
	7	3.5		21	4.6	Q4805	B	0.3			
	8	9.0		22	5.0		C	4.8			
IC6101	1	2.6	23	0	E		0				
	2	2.0	24	0	Q4806	B	0.4				
	3	2.1	IC6201	1		0	C	3.9			
	4	0		2		0	E	0			
	5	2.1		3	0	Q4807	B	0			
	6	2.4		4	-21.7		C	4.8			
	7	2.6		5	0		E	0			
	IC6102	1		0	6	0	Q4808	B	0		
2		1.7		7	0	C		4.2			
3		1.8		8	0	E		3.2			
4		0		9	0	Q4809	B	0.5			
5		5.0		10	0		C	0.8			
6		4.5		11	2.17		E	0			
7		4.5		12	0	Q4810	B	0.1			
8		9.0		13	5.0		C	8.9			
IC6103	1	2.9		14	5.0		E	0.4			
	2	1.6		IC6202	1	3.5	Q4811	B	0		
	3	1.4			2	3.5		C	8.9		
	4	0			3	3.4		E	0.2		
	5	1.1			4	0	Q4812	B	1.4		
	6	4.0			5	3.4		C	0		
	7	1.2			6	3.4		E	0.8		
	IC6104	8			9.0	7	3.4	Q4813	B	2.6	
1		2.0			8	9.0	C		0		
2		2.4			IC6351	1	5.2		E	0.8	
3		-15.4				2	4.4	Q4814	B	1.8	
4		1.4	3			4.8	C		0		
5	6.7	4	0			E	0.7				
IC6105	6	4.5	5			4.1	Q4815	B	1.4		
	7	2.0	6		4.5	C		0			
	8	0.3	7		0.4	E		0.7			
	IC6106	1	2.5		8	9.0	Q4816	B	1.8		
		2	0		IC6353	I		11.0	C	0	
		3	8.9			G		0	E	2.4	
		IC6107	1			4.6	O	0	Q4817	B	3.9
			2			0	1	4.6		C	8.9
3			9.0			2	0	E		3.3	
IC6107		4	0		3	9.0	Q4818	B	3.3		
		5	4.5		4	0		C	0		
	6	4.5	5		4.5	E		3.9			
	IC6107	1	4.6	6	4.5	Q4820	B	4.5			
		2	0	7	0		C	0			
		3	9.0	8	3.4		E	5.2			
IC6107	4	0	IC6356	1	-2.8						
	5	4.5		2	-6.3						
	6	4.5		3	-3.0						

B3(1/3) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	
IC501	1	0		57	0		25	3.3	
	2	0		58	0		26	0	
	3	0		59	0		27	0	
	4	0		60	1.5		28	0	
	5	0		61	3.4		29	0	
	6	0.6		62	0		30	0	
	7	0.2		63	0		31	0	
	8	1.2		64	0		32	0	
	9	0		IC504	1		0	33	0
	10	1.5			2		0	34	3.3
	11	0			3		0	35	1.5
	12	1.3			4		3.3	36	0.5
	13	0			5		1.6	37	0
	14	3.3			6		2.0	38	3.3
	15	-0	7		0		39	1.6	
	16	3.3	8		0		40	1.4	
	17	1.2	9		0		41	0	
	18	1.6	10		0		42	1.4	
	19	1.8	11		0		43	1.7	
	20	1.6	12		2.1		44	3.3	
	21	2.0	13		2.2		45	1.6	
	22	1.9	14		0		46	1.5	
	23	1.7	IC505	1	0		47	0	
	24	1.8		2	3.2		48	1.3	
	25	-0		3	4.8		49	0.8	
	26	4.8		4	4.8		50	0	
	27	2.4		5	0		IC603	1	0
	28	0	IC506	1	0			2	0
	29	3.4		2	3.0			3	1.2
	30	4.8		3	0			4	0.2
	31	2.4		4	0			5	1.3
	32	0		5	0			6	1.3
	33	1.4	IC602	1	3.3			7	0
	34	0		2	1.5			8	0
	35	0		3	1.4			9	0
	36	1.4		4	0			10	0
	37	1.4		5	1.1			11	0
	38	0		6	1.6			12	1.3
	39	0		7	3.3			13	0
	40	0		8	1.5			14	3.3
	41	0		9	1.4		IC604	1	4.9
	42	0		10	0			2	0
	43	0		11	1.4			3	0
	44	0		12	0.9			4	0.3
	45	4.8		13	3.3			5	0.3
	46	0		14	0.5			6	0.4
	47	0	15	3.2	7			0.3	
	48	0	16	0	8			0	
	49	0	17	3.1	9			3.2	
	50	2.4	18	3.1	10			3.2	
	51	4.8	19	0	11			0	
	52	3.4	20	0	12			4.9	
	53	2.4	21	0	13			0	
	54	0	22	0	14			4.6	
	55	0	23	0	15		4.6		
	56	1.4	24	0	16		4.9		

C BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	
IC9001	1	3.4	IC9003	7	<[140]>[134]	Q9001	9	159	
	2	11.7		8	<[159]>[137]		10	156	
	3	3.3		9	<[139]>[133]		B	8.3	
	4	-0		1	3.4		C	0	
	5	(8.3)<[8.8]>		2	11.8		E	4.5	
	6	199		3	3.4		Q9009	B	3.0
	7	<[149]>(144)		4	<[-0]>(0.12)			C	0
	8	<[159]>[154]		5	8.5			E	3.6
	9	(144)<[147]>		6	198		Q9010	B	3.2
IC9002	1	3.4	7	<[146]>(141)	C	0			
	2	11.7	8	160	E	3.8			
	3	3.3	9	143.9	Q9011	B	2.9		
	4	-0	J9001	3		520	C	0	
	5	8.6		5		<(22.2)>[-0]	E	3.6	
	6	199		8		160			

B3(2/3) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC601	1	2.3		74	2.4		137	1.8
	2	0		66	0		138	0
	3	0		67	3.3		139	1.7
	4	0		68	0		140	1.3
	5	0		69	0.3		141	2.4
	6	0		70	0		142	0
	7	0		71	0		143	3.3
	8	0		72	3.3		144	0
	9	0		73	0		145	1.1
	10	0.4		74	2.4		146	0.9
	11	0		75	0		147	1.4
	12	0		76	0		148	1.4
	13	0		77	0		149	1.5
	14	0		78	3.3		150	1.8
	15	0		79	3.3		151	1.4
	16	0		80	0.3		152	1.7
	17	0		81	0.4		153	1.6
	18	0		82	3.2		154	1.7
	19	0		83	0		155	0
	20	1.5		84	0		156	0.1
	21	0		85	3.3		157	3.2
	22	0		86	0.3		158	0.9
	23	3.3		87	3.3		159	0.9
	24	0		88	0		160	1.3
	25	0		89	0		161	1.3
	26	0		90	0		162	0
	27	1.6		91	1.6		163	0
	28	0		92	1.6		164	1.5
	29	0		93	0		165	1.5
	30	0		94	2.4		166	1.7
	31	0		95	1.6		167	1.9
	32	1.6		96	0		168	1.4
	33	3.2		97	2.0		169	1.6
	34	-0		98	3.0		170	1.5
	35	0		99	0		171	1.5
	36	0		100	0		172	2.4
	37	0		101	0		173	0
	38	0		102	0.2		174	1.7
	39	0		103	2.4		175	1.4
	40	0		104	0		176	1.0
	41	0		105	0.3		177	1.5
	42	0		106	1.0		178	1.8
	43	2.3		107	1.2		179	0
	44	0		108	1.0		180	1.2
	45	1.2		109	0.5		181	0.6
	46	0		110	2.2		182	0
	47	0		111	3.3		183	0
	48	0		112	0		184	2.6
	49	0		113	0.5		185	2.6
	50	0		114	3.3		186	2.6
	51	0		115	3.3		187	2.6
	52	0		116	2.4		188	0
	53	0		117	1.5		189	0.3
	54	3.3		118	0		190	0
	55	0		119	0		191	0.3
	56	0		120	1.1		192	0
	57	2.9		121	1.1		193	0.3
	58	2.9		122	1.3		194	0
	59	0		123	1.3		195	0.3
	60	0		124	1.5		196	0.3
	61	0		125	1.5		197	2.3
	62	0		126	2.0		198	0
	63	2.9		127	1.3		199	0.3
	64	2.9		128	1.1		200	0.3
	65	0		129	0.1		201	0.3
	66	0		130	0.1		202	0.3
	67	3.3		131	1.0		203	0.3
	68	0		132	0.9		204	0.3
	69	0.3		133	1.8		205	0
	70	0		134	1.8		206	0.3
	71	0		135	2.3		207	3.3
	72	3.3		136	2.2		208	0
	73	0						

B3(3/3) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
Q501	B	0	Q521	B	4.8	Q902	B	0
	C	2.9		C	2.4		C	0.8
	E	2.2		E	3.1		E	0.2
Q502	B	4.8	Q522	B	4.8	Q903	B	0.7
	C	2.1		C	3.1		C	0.8
	E	2.8		E	3.7		E	0.2
Q503	B	4.8	Q523	B	4.8	Q907	B	0
	C	2.1		C	3.0		C	1.2
	E	2.7		E	0		E	0.5
Q516	B	4.0	Q601	B	4.0	Q908	B	0
	C	2.5		C	0.7		C	1.0
	E	3.2		E	0		E	0.3
Q517	B	4.1	Q602	B	4.2	Q909	B	0
	C	3.4		C	0.4		C	1.2
	E	0		E	0.5		E	0
Q518	B	0.7	Q901	B	0.8			
	C	1.3		C	0.7			
	E	0		E	0			

P BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC8801	1	1.3		21	3.3	Q8806	B	0.3
	2	1.7		22	3.3		C	3.3
	3	0.2		23	0		E	0.3
	4	0.2		24	0.2	Q8807	B	0.1
	5	4.5		25	0		C	3.3
	6	4.4		26	0.3		E	0.1
	7	3.3		27	2.1	Q8808	B	2.6
	8	0		28	2.1		C	0
	9	0	IC8802	I	4.5		E	3.2
	10	0.8		G	0	Q8809	B	2.1
	11	0.5		O	3.3		C	0
	12	0.5	Q8801	B	0.6		E	2.7
	13	0.5		C	0	Q8810	B	2.6
	14	0.7		E	1.3		C	0
	15	0	Q8802	B	1.0		E	3.2
	16	0.3		C	0	Q8811	B	0.3
	17	0		E	1.7		C	0
	18	0.3	Q8803	B	0.6		E	1.0
	19	0		C	0			
	20	0		E	1.3			

DH BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC3805	1	4.2	Q3807	B	0
	2	3.8		C	4.8
	3	2.6		E	0
	4	2.6	Q3808	B	4.8
	5	0		C	0.1
	6	2.6		E	0
	7	2.6	Q3809	B	0.1
	8	2.6		C	1.5
	9	2.4		E	2.6
	IC3807	10	6.6	Q3810	B
1		10.8	C		0
2		0	E		3.2
3		2.5	Q3811	B	3.2
4		1.7		C	6.6
5		0		E	2.5
6		0	Q3812	B	0.1
7		4.9		C	2.6
8	0	E		1.5	

VM BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
Q5400	B	1.5	Q5404	B	5.2
	C	8.4		C	0
	E	0.9		E	5.9
Q5401	B	1.6	Q5405	B	5.9
	C	5.2		C	0
	E	1.0		E	6.2
Q5402	B	7.2	Q5406	B	134
	C	9.0		C	67.7
	E	6.6		E	134
Q5403	B	6.6	Q5407	B	1.3
	C	9.0		C	67.8
	E	6.2		E	0.8

H1 BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]
IC901	1	4.9
	2	4.8
	3	0
Q1901	B	0.1
	C	4.9
	E	0.1
Q1902	B	4.5
	C	2.6
	E	1.8

D BOARD VOLTAGE LIST (KV-EX29 MODEL)

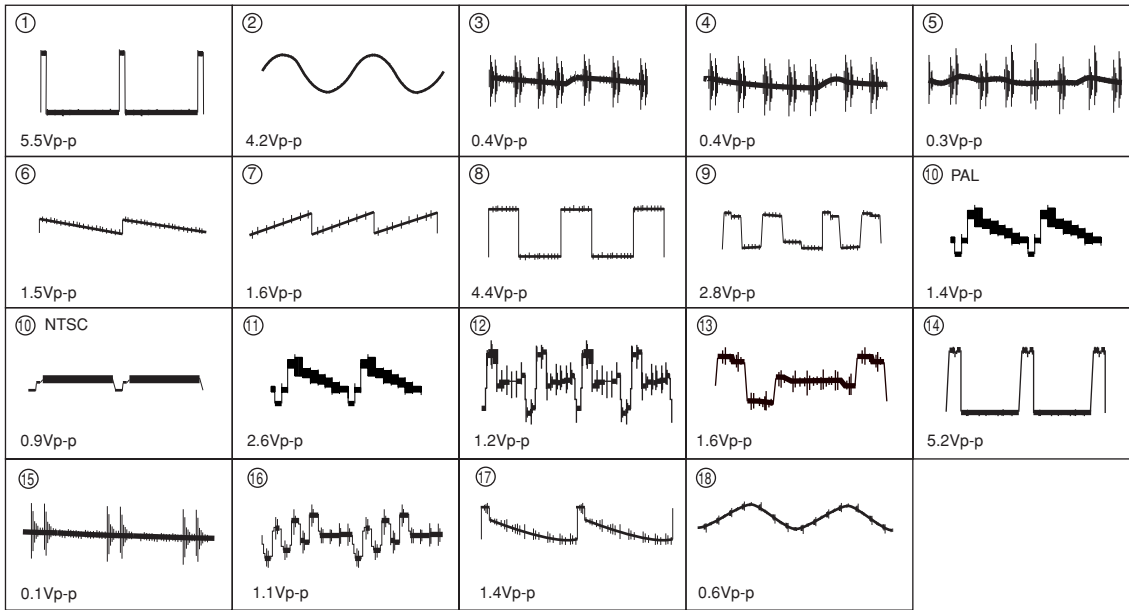
Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC6600	1	2.7	IC6806	I	*	Q6804	B	8.0
	2	1.9		G	*		C	9.0
	3	2.2		O	*		E	8.0
	4	2.5		VC	*	Q6805	B	-0.3
	5	0	Q6100	D	302		C	68
	6	0		G	0.9		E	0
	7	4.6		S	0	Q6806	B	-0.3
	8	17.8	Q6102	B	0.4		C	59
	9	0.01		C	1.0		E	0
	10	10.4		E	0	Q6809	D	20.0
	11	0	Q6600	D	297		G	2.7
	12	4.8		G	134		S	0
	13	*		S	130	Q6810	D	136
	14	139	Q6601	B	-0.02		G	1.7
	15	129		C	12		S	0
	16	133		E	0	Q6811	B	0
	17	*	Q6602	B	0.3		C	9.0
	18	294		C	18		E	0
IC6601	1	2.4		E	0	Q6812	B	-0.8
	2	0	Q6603	D	131		C	81
	3	5.0		G	4.8		E	0
IC6607	1	134		S	0	Q6813	B	0.4
	2	2.5	Q6604	B	16.9		C	6.4
	3	8.8		C	17.6		E	0
	4	0		E	17.7		Q6814	B
IC6608	1	0.04		Q6605	B	0.8		C
	2	0.04	C		0.13	E		9.0
	3	18	E		0.12	Q6815	B	135
	4	7.0	Q6608	B	0.6		C	134
	5	4.2		C	0		E	135
	6	7.0		E	0	Q6816	B	0.6
	7	4.1	Q6609	B	4.9		C	0
	8	3.2		C	0		E	0
	9	5.0		E	5.0	Q6817	B	0
	10	8.8	Q6610	B	0.5		C	0.5
	11	5.0		C	4.9		E	0
	12	0		E	0.2	Q6818	B	3.0
	13	0.11	Q6611	B	0.4		C	0
	14	18		C	7.1		E	0
IC6800	1	1.1		E	0	Q6819	B	-9.0
	2	13.5	Q6613	B	0		C	-9.4
	3	-13.6		C	0.6		E	-12.9
	4	-15		Q6614	E	0	Q6820	B
	5	0.4	B		17.6	C		0.3
	6	14	C		0	E		0
	7	1.1	E		17.7	Q6821	B	0
IC6801	1	8.0	Q6617	B	0		C	-10.9
	2	1.5		C	7.0		E	0
	3	3.1		E	0	Q6823	B	0
	4	0	Q6618	B	7.0		C	8.9
	5	3.8		C	0		E	3.1
	6	6.6		E	7.0		Q6800	B
	7	0.2	B	13.9	C			0.9
	8	9.0	E	0.9	Q6803	B		7.0
IC6804	I	11.1	Q6800	C		13.9	C	0
	G	0		E		0.9	E	7.0
	O	9.0		Q6803	B	7.0	C	0
IC6805	I	14	C		0	E	7.0	
	G	0						
	O	11.9						

D BOARD VOLTAGE LIST (KV-EX34 MODEL)

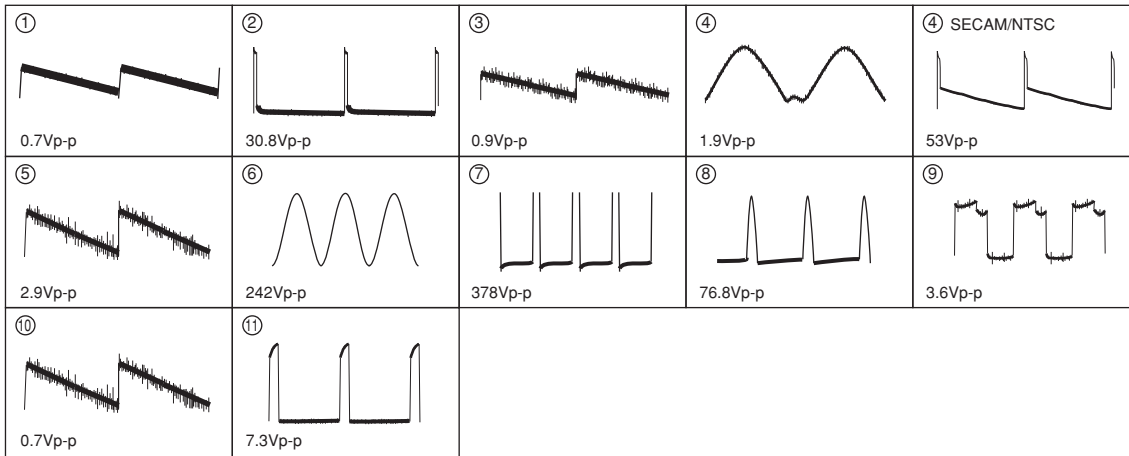
Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	
IC6600	1	2.8	IC6805	I	13.7	Q6804	B	7.2	
	2	1.9		G	0		C	9.1	
	3	2.2		O	11.9		E	0	
	4	2.5	IC6806	I	8.4	Q6805	B	-0.4	
	5	0		G	0		C	65.5	
	6	0		O	6.3		E	0	
	7	4.6		VC	2.2	Q6806	B	-0.3	
	8	17.5	Q6100	D	320		C	54.5	
	9	0		G	1.0	E	0		
	10	10.2		S	0	Q6809	D	12.4	
	11	0	Q6102	B	0.4		G	3.4	
	12	4.7		C	1.0		S	0	
	13	*		E	0	Q6810	D	*	
	14	142.8	Q6600	B	128		G	2.0	
	15	133		C	297		S	0.1	
	16	136.2		E	125	Q6811	B	-0	
	17	*	Q6601	B	0		C	-11.4	
	18	307		C	11.9		E	0	
IC6601	1	2.4	Q6602	B	0.3	Q6813	B	0.4	
	2	0		C	18		C	6.5	
	3	5.0		E	0		E	0	
IC6607	1	134	Q6603	B	4.8	Q6814	B	9.1	
	2	2.5		C	134		C	3.0	
	3	8.5		E	0		E	9.1	
	4	0	Q6604	B	17.2	Q6815	B	134.5	
IC6608	1	0		C	17.9		C	134.7	
	2	0	E	18.0	E		135.2		
	3	17.9	Q6605	B	0.8	Q6816	B	0.6	
	4	2.0		C	0.13		C	0.1	
	5	2.0		E	0.12		E	0	
	6	2.0	Q6608	B	0.6	Q6817	B	0	
	7	1.9		C	0		C	0.6	
	8	3.2		E	0		E	0	
	9	5.0	Q6609	B	4.9	Q6818	B	3.4	
	10	8.9		C	0		C	0	
	11	5.0		E	5.0		E	0	
	IC6800	12	0	Q6610	B	0.5	Q6819	B	-9.0
		13	0.1		C	4.9		C	-9.4
		14	17.9		E	0.2		E	-12.9
IC6801		1	1.0	Q6611	B	0	Q6820	B	2.4
		2	14.2		C	3.9		C	5.4
		3	-14.3		E	0		E	0
		4	-16.0	Q6613	B	0	Q6821	B	0
	5	0.4	C		0.6	C		-10.9	
	6	14.6	E		0	E		0	
	7	1.0	Q6614		B	18.0		Q6823	B
IC6804	I	10.8		C	0	C	8.9		
	G	0		E	18.0	E	3.1		
	Q6800	O	9.1	B	-0.5	Q6803	B		7.2
				C	14.5		C		0
				E	0.9		E		7.2

8-4. WAVEFORMS

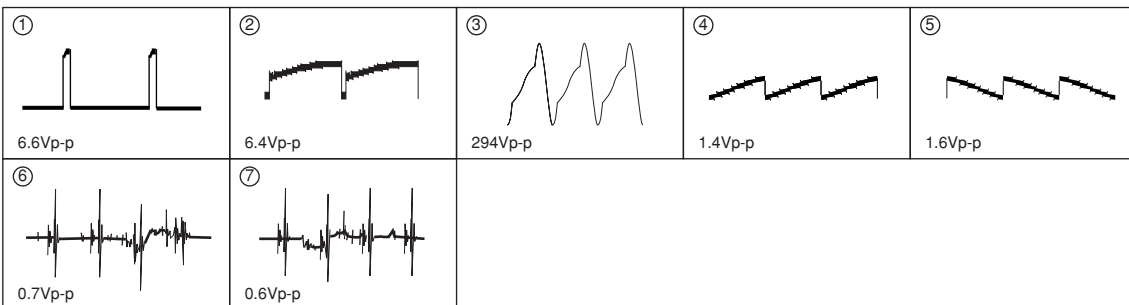
A BOARD WAVEFORMS



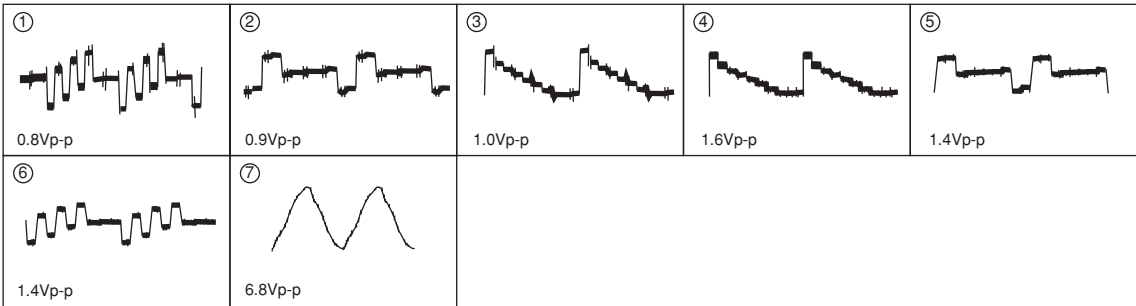
D BOARD WAVEFORMS



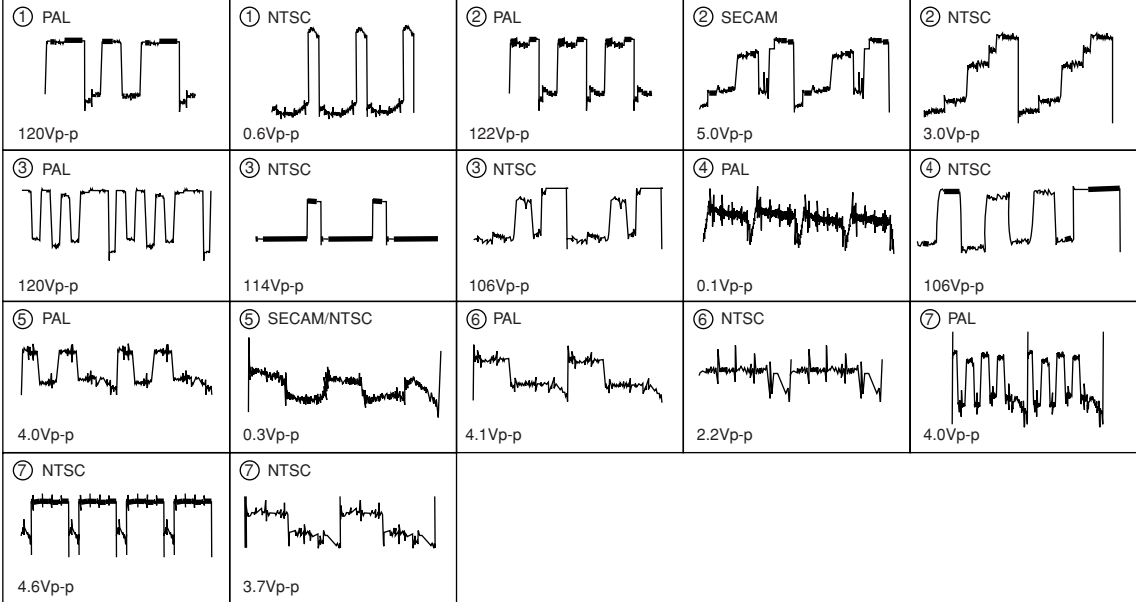
D1 BOARD WAVEFORMS



B3 BOARD WAVEFORMS



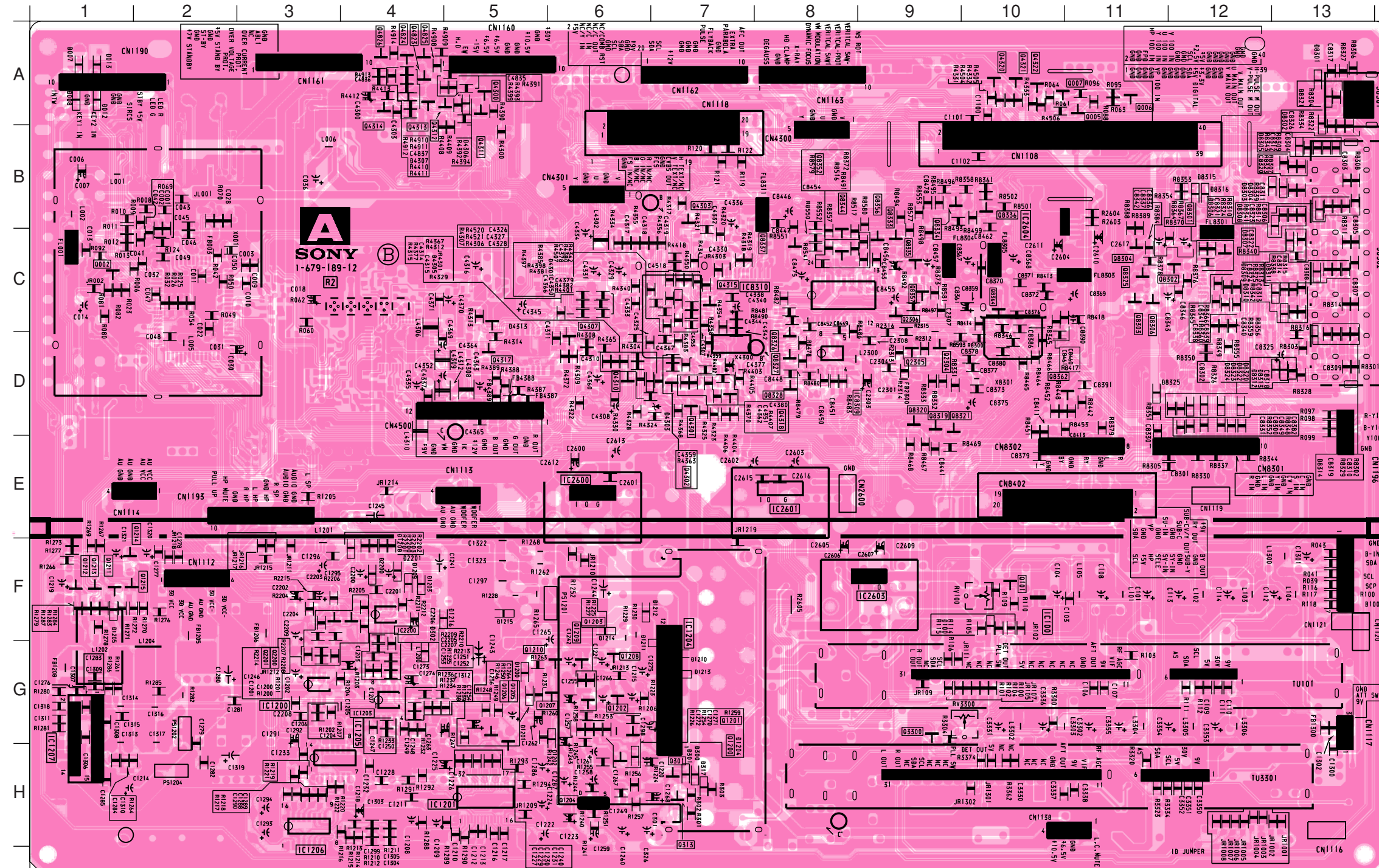
C BOARD WAVEFORMS



PRINTED WIRING BOARDS

A [MAIN MICON, TUVIF, AUDIO AMPLIFIER, RGB OUT, YCT, VIDEO/AUDIO IN/OUT]

- A Board - (Conductor Side)

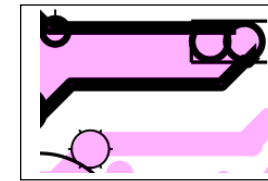


A BOARD (Conductor Side)

IC	Q8306 C-11
IC100 F-10	Q8319 D-9
IC1200 G-3	Q8320 D-9
IC1201 H-4	Q8321 D-9
IC1203 G-4	Q8325 C-11
IC1204 F-7	Q8326 D-8
IC1205 G-4	Q8327 D-8
IC1206 H-3	Q8328 D-8
IC1207 H-1	Q8333 B-9
IC2200 F-4	Q8334 B-9
IC2600 F-6	Q8335 C-9
IC2601 F-8	Q8336 B-10
IC2603 F-9	Q8337 C-8
IC2604 B-10	Q8344 B-8
IC8309 D-8	Q8352 B-8
IC8310 C-8	Q8356 B-9
	Q8357 C-9
	Q8362 D-10
	Q8364 C-10
TRANSISTOR	DIODE
Q002 C-1	D007 A-1
Q005 A-11	D008 A-1
Q006 A-11	D012 A-1
Q007 F-10	D013 A-1
Q101 H-7	D100 F-9
Q1200 G-7	D1200 G-5
Q1201 G-6	D1201 G-5
Q1202 G-6	D1202 H-6
Q1203 F-6	D1203 F-4
Q1204 H-6	D1204 H-7
Q1205 G-5	D1205 F-1
Q1206 G-5	D1208 F-4
Q1207 G-6	D1209 F-4
Q1208 G-6	D1210 G-7
Q1209 F-6	D1212 F-7
Q1210 G-5	D1214 F-6
Q1211 F-1	D1215 F-5
Q1212 F-1	D1216 F-5
Q1213 F-1	D2200 F-4
Q1214 F-2	D2201 F-4
Q1215 F-2	D300 H-7
Q2200 G-3	D301 H-7
Q2201 G-3	D302 F-4
Q2304 D-9	D317 H-7
Q2305 D-9	D4301 C-6
Q2306 C-9	D4303 D-7
Q301 H-7	D4305 C-4
Q313 H-7	D4306 B-5
Q3300 G-9	D4307 B-4
Q4300 A-5	D4313 C-5
Q4301 D-7	D8301 A-13
Q4302 E-7	D8302 A-13
Q4303 B-7	D8303 B-12
Q4307 C-6	D8304 B-12
Q4310 D-6	D8305 B-12
Q4311 B-5	D8306 B-12
Q4312 B-4	D8307 C-12
Q4313 B-4	D8308 B-12
Q4314 A-4	D8309 C-12
Q4315 C-6	D8310 C-12
Q4317 D-5	D8311 C-12
Q4318 D-8	D8312 D-12
Q4320 A-10	D8313 D-12
Q4321 A-10	D8314 E-13
Q4322 A-10	D8315 B-12
Q4823 A-4	D8316 B-12
Q4824 A-4	D8320 D-12
Q4825 A-4	D8321 A-13
Q4826 A-4	D8322 D-12
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Q8302 C-12	D8324 D-12
Q8303 C-11	D8325 D-12
Q8304 C-11	

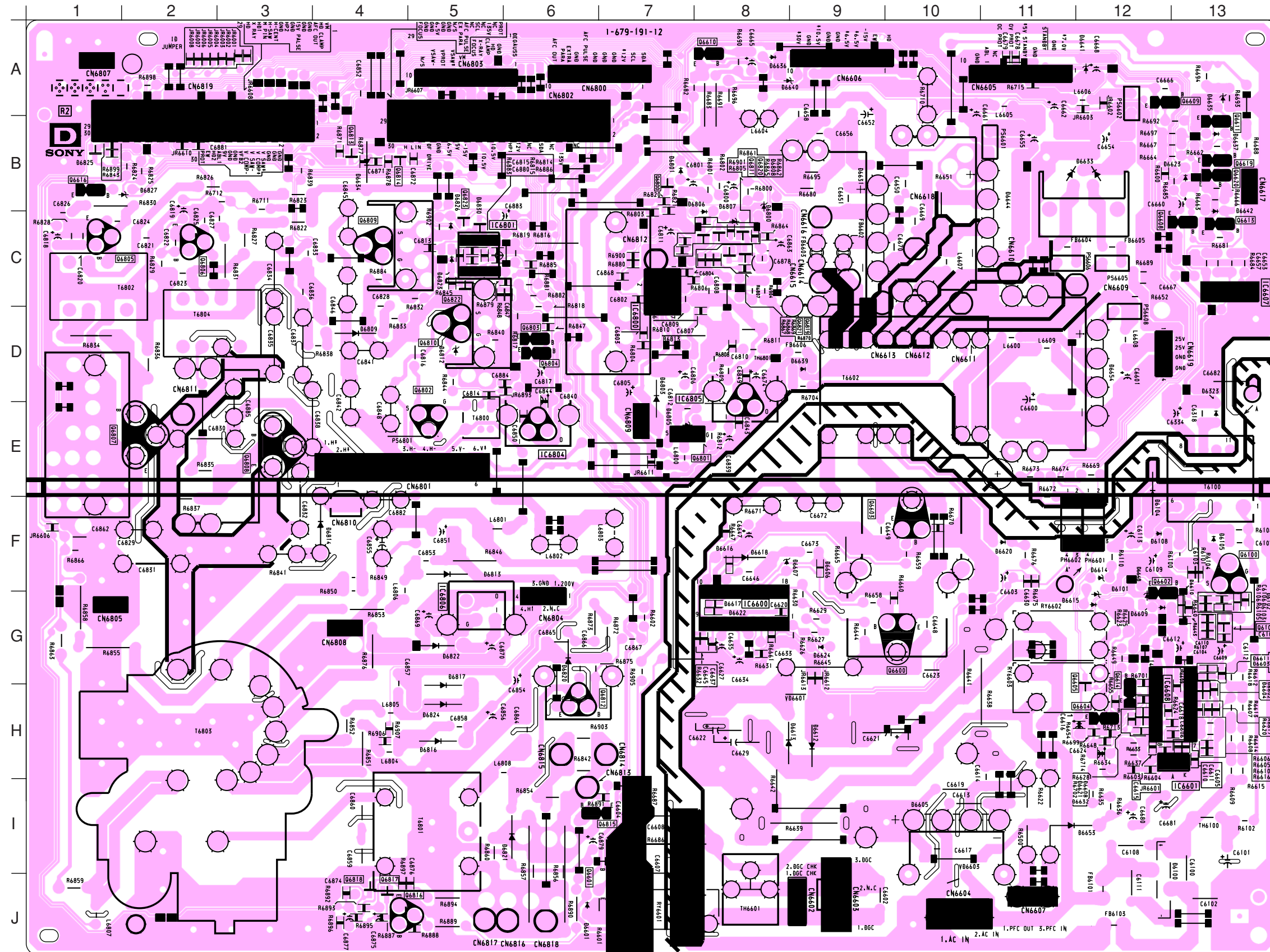
PRINTED WIRING BOARDS

D [POWER SUPPLY, DEFLECTION HV]



NOTE:
The circuit indicated at left contains high voltage of over 1220 Vp-p. Please pay attention when inspecting or repairing it to prevent an electric shock.

- D Board -



D BOARD

IC			
IC6600	G8	D6104	F-12
IC6601	H13	D6105	F-13
IC6602	C13	D6108	F-12
IC6603	G12	D6323	E-13
IC6604	D7	D6601	J-6
IC6605	F-9	D6602	G-13
IC6606	C5	D6603	G-13
IC6607	E6	D6604	G-13
IC6800	D7	D6605	I-10
IC6801	G5	D6606	F-9
		D6607	F-9
		D6608	I-12
		D6609	G-12
		D6610	F-13
		D6611	G-13
		D6612	H-9
		D6613	H-8
		D6614	F-11
		D6615	G-11
		D6616	F-8
		D6617	G-8
		D6618	F-8
		D6620	F-11
		D6621	I-12
		D6622	G-8
		D6623	B-13
		D6624	G-9
		D6631	B-9
		D6632	I-12
		D6633	B-12
		D6634	B-4
		D6636	A-8
		D6639	D-9
		D6640	A-8
		D6641	A-12
		D6642	B-12
		D6644	B-11
		D6648	G-12
		D6653	I-12
		D6654	D-12
		D6800	C-8
		D6801	B-7
		D6803	D-7
		D6805	E-7
		D6806	B-8
		D6807	B-8
		D6808	B-8
		D6809	D-4
		D6812	D-5
		D6813	F-5
		D6814	F-4
		D6816	H5
		D6817	G-5
		D6820	G-6
		D6821	I-5
		D6822	G-5
		D6823	C-5
		D6824	H-5
		D6825	B-1
		D6826	B-4
		D6827	B-2
		D6830	B-4

TRANSISTOR			
Q6100	F-13		
Q6102	G-13		
Q6600	G-10		
Q6601	I-6		
Q6602	F-12		
Q6603	F-9		
Q6604	H-12		
Q6605	G12		
Q6608	C-12		
Q6609	A-13		
Q6610	A-8		
Q6611	B-13		
Q6613	C-13		
Q6614	G-12		
Q6616	B-1		
Q6619	B-13		
Q6620	B-13		
Q6800	B-7		
Q6801	E-8		
Q6802	D-5		
Q6803	D-6		
Q6804	D-6		
Q6805	C-2		
Q6806	C-2		
Q6807	E-1		
Q6808	E-3		
Q6809	C-4		
Q6810	D-5		
Q6811	B-8		
Q6812	H-7		
Q6813	B-4		
Q6814	B-4		
Q6815	I-7		
Q6816	J-5		
Q6817	I-4		
Q6818	I-4		
Q6819	D-9		
Q6820	B-8		
Q6821	D-9		
Q6822	C-5		
Q6823	B-5		

PRINTED WIRING BOARDS

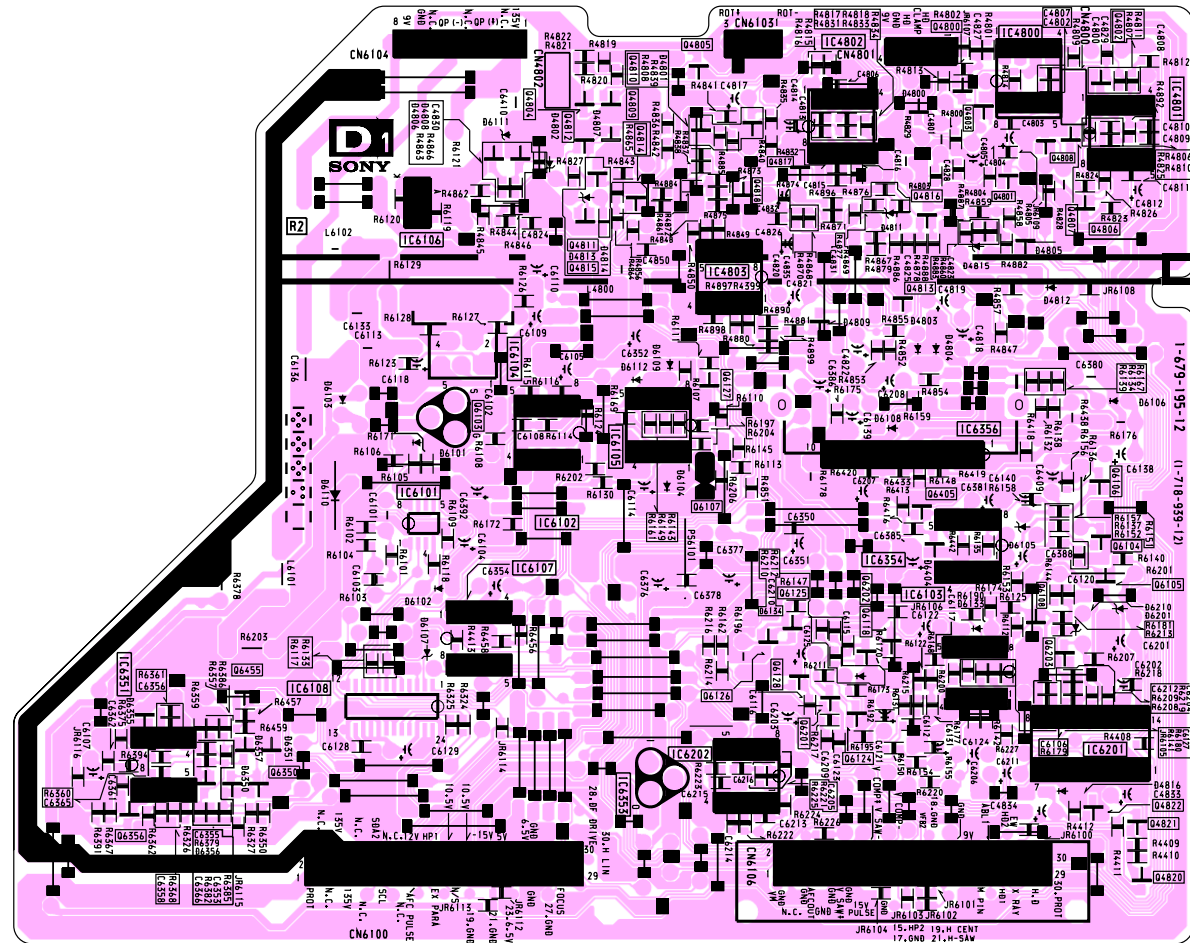
D1 [DYNAMIC FOCUS, DYNAMIC QUAD POLE DRIVE, HORIZONTAL DRIVE GENERATOR]

H1 [AC SW, AV INPUT, PRESET KEY, PHONE OUT, LED, SIRCS RECEIVER]

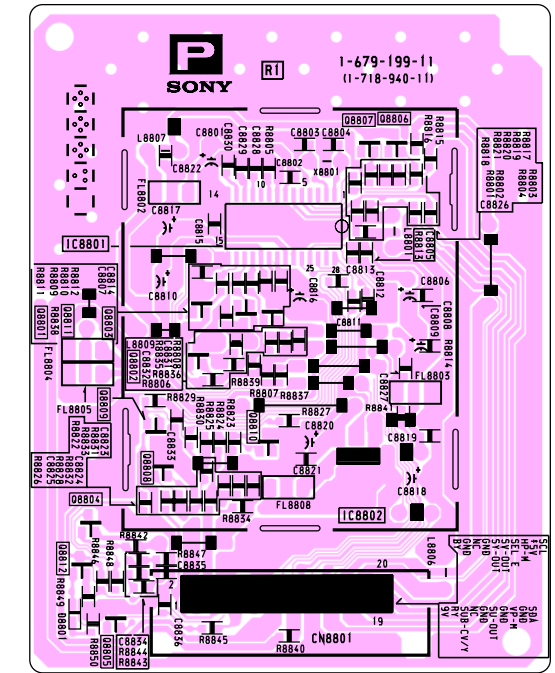
P [PICTURE IN PICTURE]

J [COMPONENT IN]

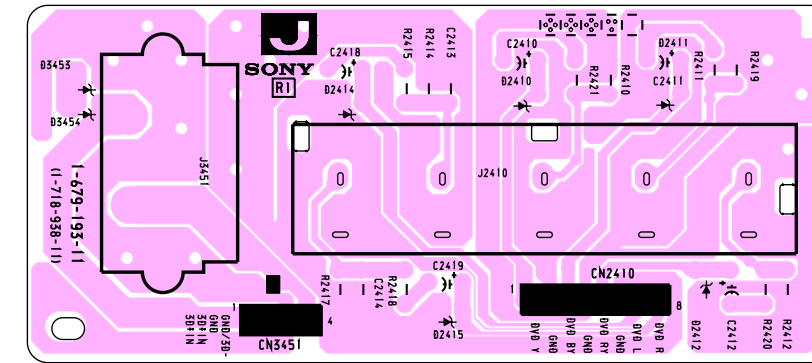
- D1 Board -



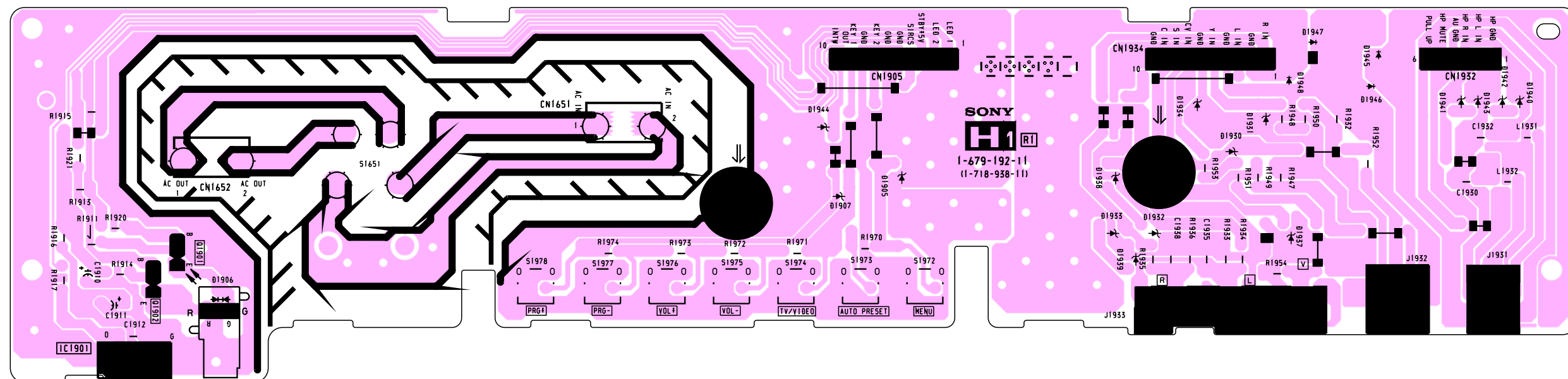
- P Board -



- J Board -



- H1 Board -

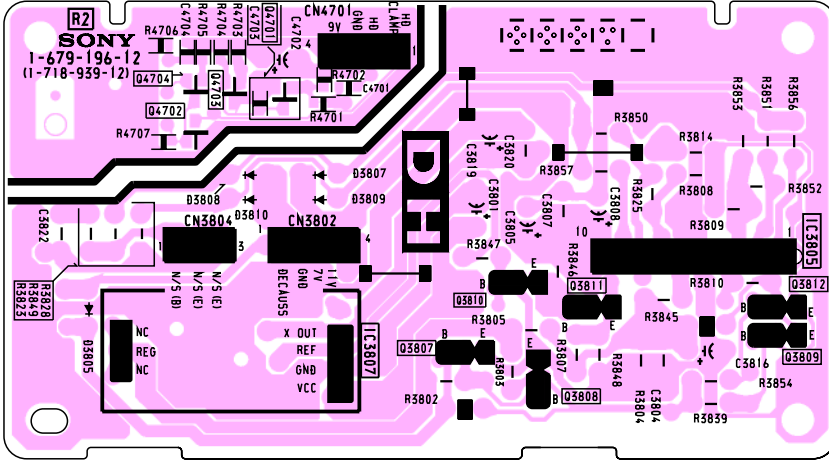


PRINTED WIRING BOARDS

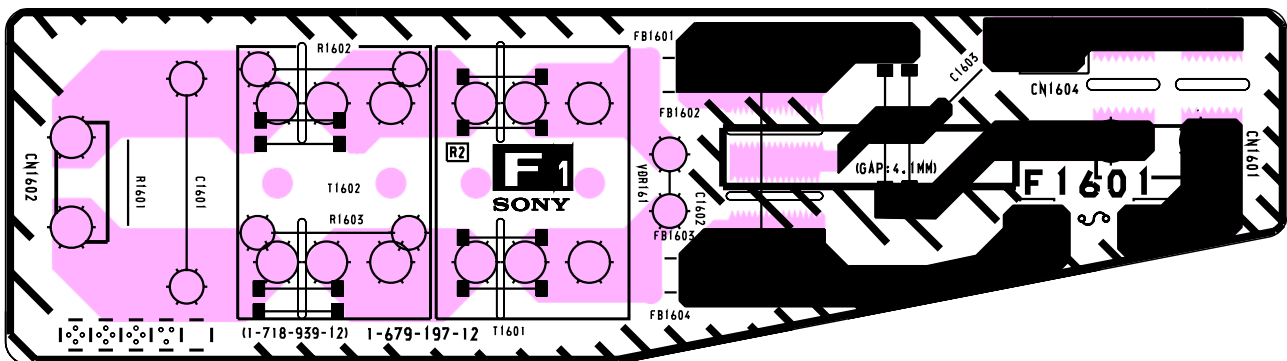
DH [MAGNETIC FIELD CORRECTION]

F1 [AC LINE FILTER]

– DH Board –



– F1 Board –

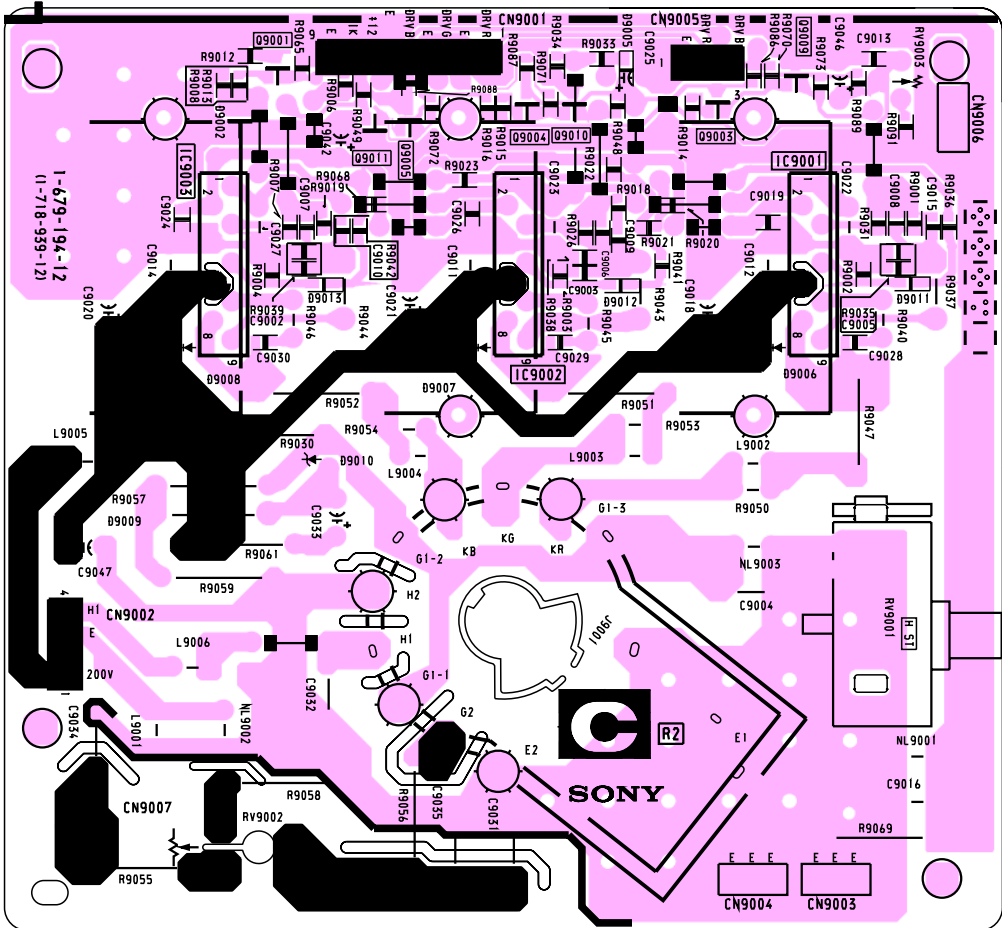


PRINTED WIRING BOARDS

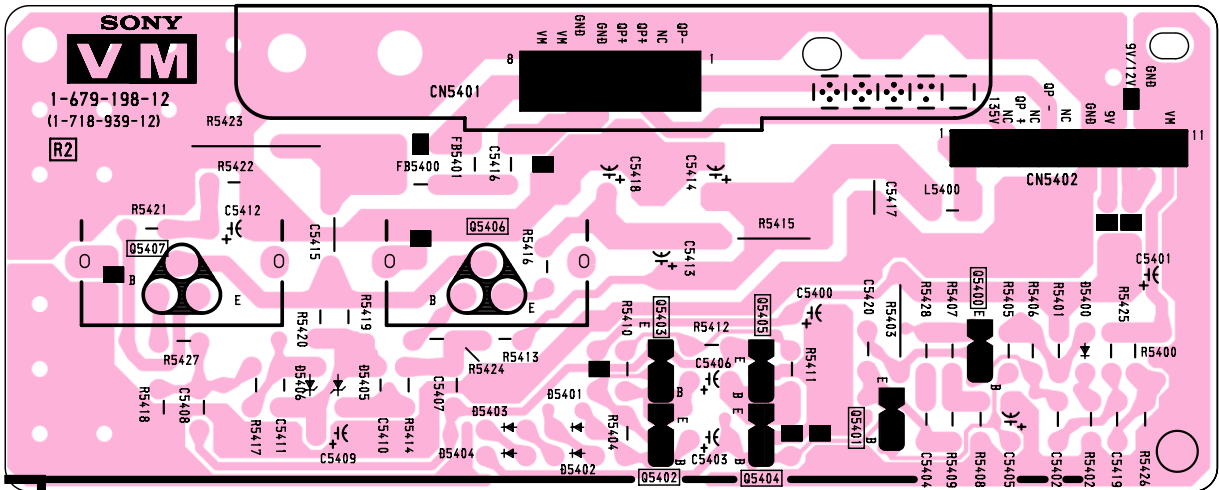
C [VIDEO AMPLIFIER]

VM [VELOCITY MODULATION]

- C Board -

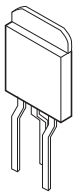
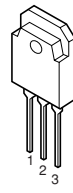
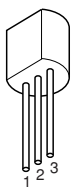
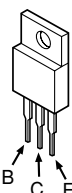
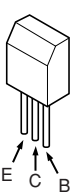
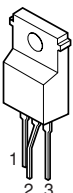


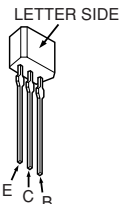

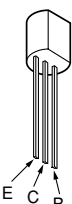
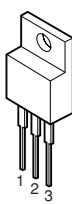
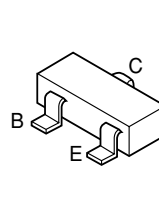
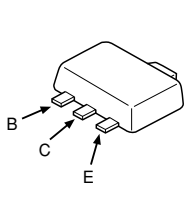
- VM Board -



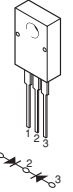
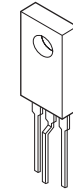
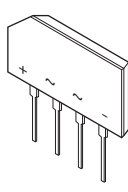
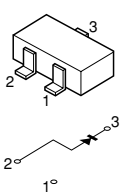
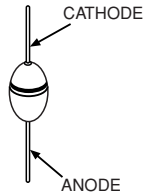
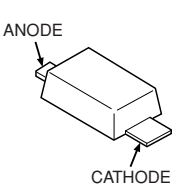
8-6. SEMICONDUCTORS

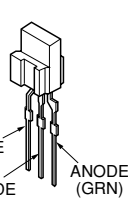
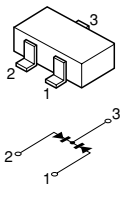
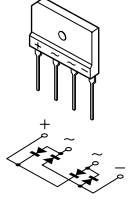
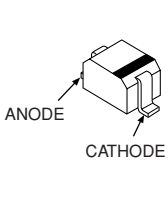
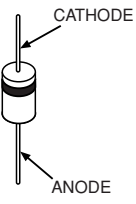
TRANSISTOR

					
2SK2663	2SC5480-01	2SA1776TV2Q	IRF1740G	2SB733-34 2SD774-34	IRF720-LF49

					
DTA144ESA DTC114ESA DTC144ESA 2SA1175-HFE 2SC2785-HFE	2SK246-GR	2SC2500-B	2SA2005 2SC5511 2SC3840(3) IRFI830G-LF49 IRFIB7N50A	DTC114EK DTC114TKA-T146 DTC144EKA 2SA1037AK-T146 2SA1162-YG 2SC1623-L5L6 2SC2712-YG 2SD601A-Q UN2213 2SD2114K	2SK2251-01-F19 DTC143TKA-T146

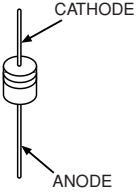

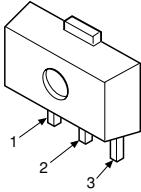
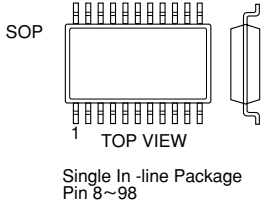
DIODE

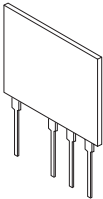
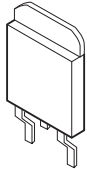
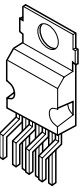
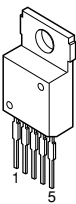
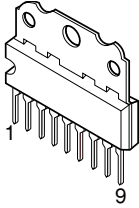
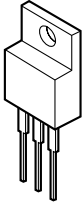
					
D10SC4M	D10SBS4F	D2SB60A-F04	MA3091 MA3062M-TX	U05G	DTZ.TT11-15B

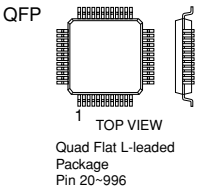
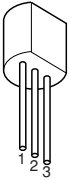
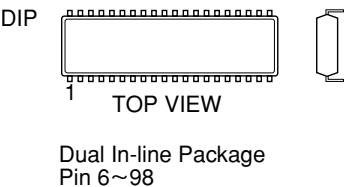
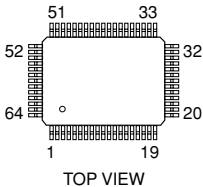
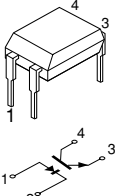
					
SPB-25MVWF	DAN202K	D4SBL20U D4SB60L	DTZ9.1 DTZ-T11-16B MA111-TX MA113-(TX) RD5.6SB3 RD9.1SB 1SS355TE-17 UDZS-TE-17-3.9B	D1NL20U-TR GP08D HSS83TD NNCD9.1A-T1 HZS9.1NB2 UF4005PKG23 1SS119-25	RGP02-20EL-6394 D1NS6 ERA22-08 EL1Z S3L20UF4

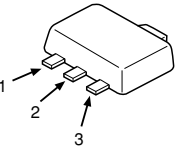
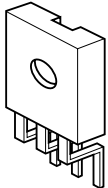
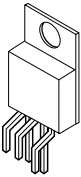
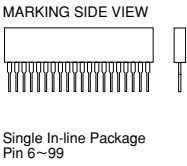
DIODE

IC

							
<p>D1NS4 RD5.1ESB1 RD2.2ES-B2 RD10ESB2 RD2.7ESB2 RD4.7ESB2 RD5.6ESB2 RD5.6ES-B1 RD12ES-B1 RD30ESB2 RD22ES-B1</p>	<p>ERA85-009 ERA38-06 D1N20R RD18ES-B2 RD18ESB RD3.6ES-B1 RD6.8ES-B1 RD7.5ESB2 RD15ES-B1 RD3.9ES-B2</p>	<p>RN-4Z</p>	<p>S-80743AL-A7-S</p>	<p>MB88141APF-ER CXA1875AM-T4 CXA2163Q-T6 TLC2932IPWR TLC2933IPWR-12 TC7SET08FU(TE85) CXA1211M SDA9588XB23 UPC358C</p>	<p>M24C16-MN6T TDA9178T/N1.118 BH3868BFS-E2 UPC4558G2 NJM4560M MM1115XFBE MM1476AF(TP)</p>		

											
<p>DM-58</p>	<p>BA033FP-E2</p>	<p>STV9379</p>	<p>LA6500-FA LA6510</p>	<p>TDA6111Q/N4</p>	<p>TA7805S PQ09RF2</p>						

										
<p>CXD2090Q</p>	<p>UPC1093J-1-T</p>	<p>CA0007AD CA0005AD NJM3404AD-W LM393N NJU4066BM</p>	<p>MCZ3001D TDA9181T UPC399C</p>	<p>TLC5733AIPM CXA2069Q CXA2100AQ CXP750096-041Q</p>	<p>ON3171-R</p>					

							
<p>PQ07VZ012P</p>	<p>SBX1981-51RP</p>	<p>BA033T</p>	<p>AN7583Z</p>				

SECTION 9 EXPLODED VIEWS

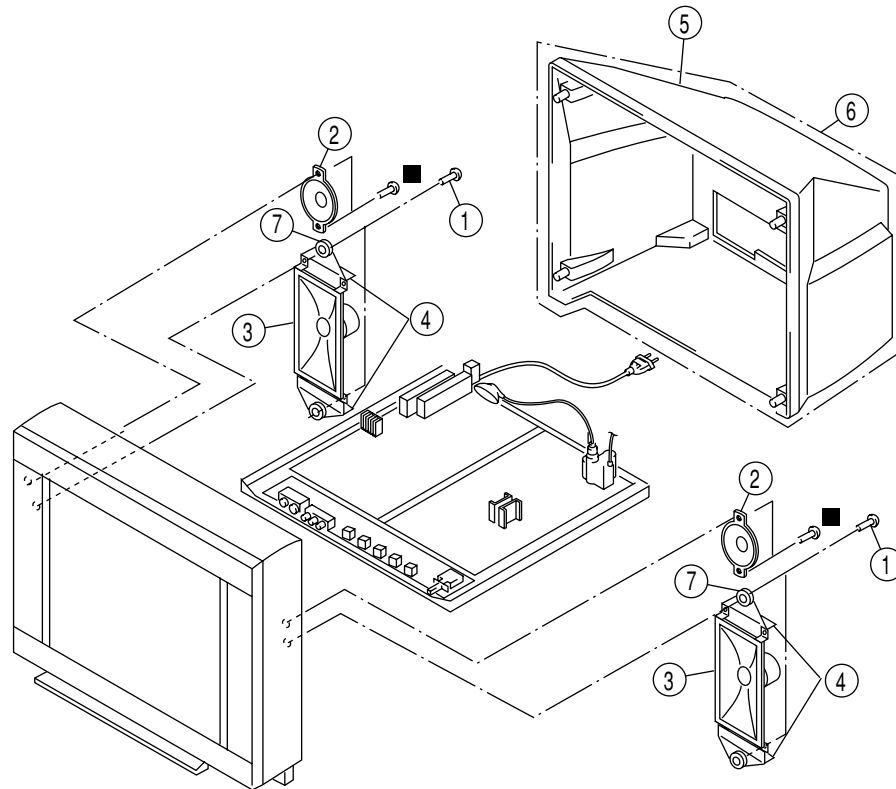
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

9-1. SPEAKER BRACKET

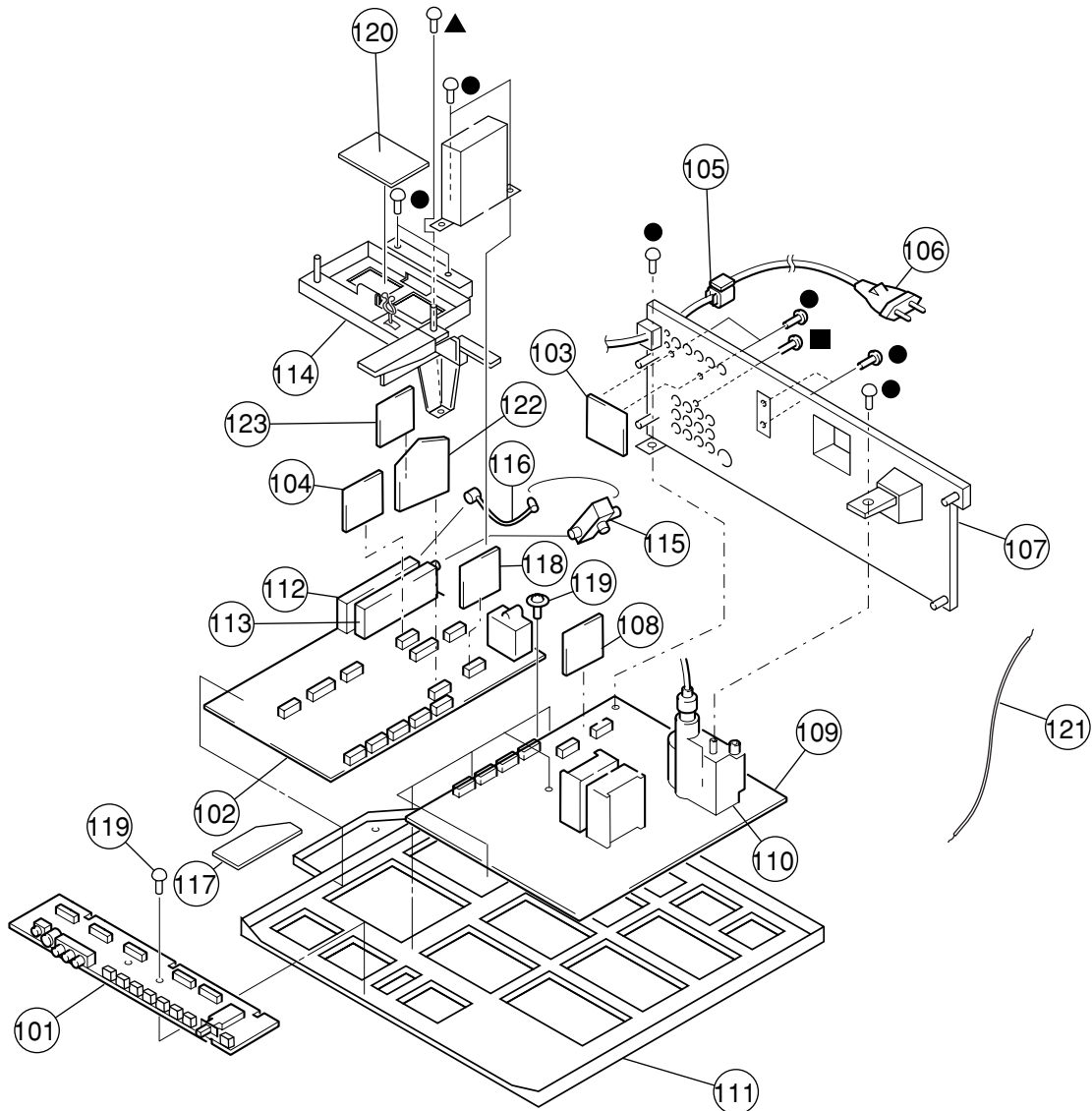
■ : 7-685-663-71 SCREW +BVTP 4 × 16



REF. NO.	PART NO.	DESCRIPTION	REMARK
1	4-302-404-03	SCREW (WASHER HEAD)(+P4 x 16)	
2	1-529-968-11	SPEAKER (5CM)	
3	1-529-563-11	SPEAKER (15 x 6.5CM)	
4	* 4-046-981-01	BRACKET,SPEAKER	
5	4-076-066-01	COVER REAR (KV-EX34K94 ONLY) (■ 14 SCREWS)	
6	X-4038-161-1	COVER ASSY, REAR (KV-EX29K94 ONLY) (■ 12 SCREWS)	
7	4-374-745-21	CUSHION A	

9-2. CHASSIS

- : 7-685-648-79 SCREW +BVTP 3 × 12
- : 7-685-663-71 SCREW +BVTP 4 × 16
- ▲ : 7-685-650-79 SCREW +BVTP 3 × 16

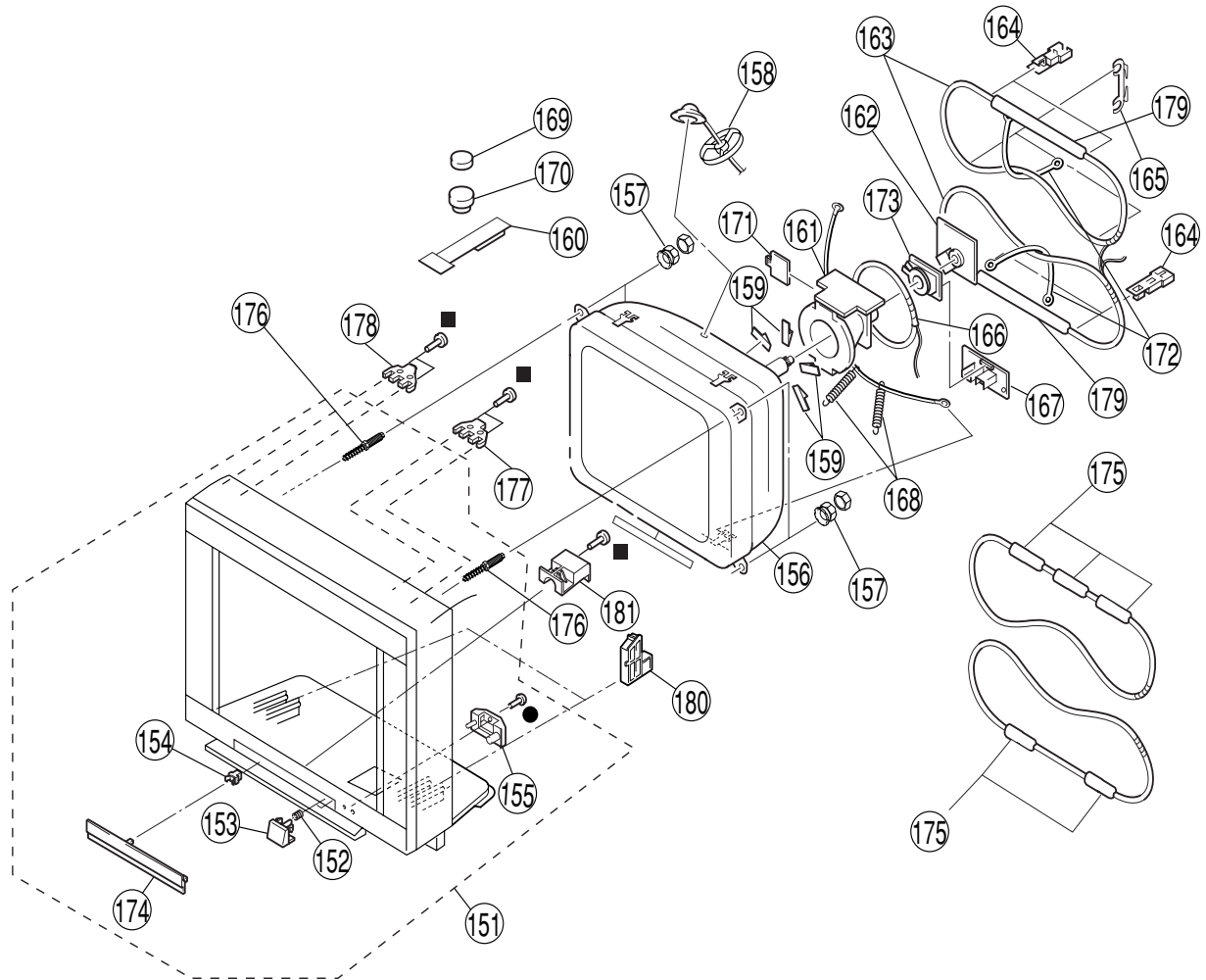


REF. NO.	PART NO.	DESCRIPTION	REMARK
101	* A-1372-869-A	H1 BOARD, MOUNTED	
102	* A-1299-571-A	A BOARD, COMPLETE (KV-EX29K94)	
	* A-1299-605-A	A BOARD, COMPLETE (KV-EX34K94)	
103	* A-1388-332-A	J BOARD, MOUNTED	
104	* A-1195-161-A	P BOARD, COMPLETE	
105	▲ 4-022-115-12	HOLDER, AC CORD	
106	▲ 1-757-305-11	CORD, POWER (WITH FILTER)	
107	* 4-075-447-71	BRACKET, TERMINAL	
108	* A-1343-928-A	D1 BOARD, MOUNTED (KV-EX29K94)	
	* A-1343-962-A	D1 BOARD, MOUNTED (KV-EX34K94)	
109	* A-1346-975-A	D BOARD, COMPLETE (KV-EX29K94)	
	* A-1348-019-A	D BOARD, COMPLETE (KV-EX34K94)	
110	▲ 1-453-363-11	TRANSFORMER ASSY, FLYBACK (NX-4522//J1B4) (KV-EX29K94)	
	▲ 1-453-326-11	TRANSFORMER ASSY, FLYBACK (NX-4601//J1B4) (KV-EX34K94)	

REF. NO.	PART NO.	DESCRIPTION	REMARK
111	* 4-075-446-01	BRACKET, MAIN	
112	8-598-430-30	TUNER, FSS BTF-FA401	
113	8-598-475-10	TUNER, FSS BTF-WL411	
114	* 4-076-315-01	BRACKET, PWB	
115	1-251-658-21	SPLITTER RF	
116	1-515-110-00	P-P CABLE	
117	* A-1241-437-A	F1 BOARD, MOUNTED (KV-EX29K94)	
	A-1241-448-A	F1 BOARD, MOUNTED (KV-EX34K94)	
118	* A-1136-132-A	B3 BOARD, COMPLETE	
119	4-046-797-01	SCREW (3 x 12)(+)BVTP	
120	* A-1333-004-A	DH BOARD, MOUNTED	
121	1-900-251-82	LEAD ASSY, G2 (KV-EX34K94 ONLY)	
122	A-1136-245-A	BC BOARD, COMPLETE	
123	A-1136-246-A	BC4 BOARD, COMPLETE	

9-3. PICTURE TUBE

- : 7-685-648-79 SCREW +BVTP 3 × 12
- : 7-685-663-71 SCREW +BVTP 4 × 16



REF. NO.	PART NO.	DESCRIPTION	REMARK
151	X-4039-173-1	BEZNET ASSY (KV-EX29K94)	152-155,174,176
	X-4039-333-1	BEZNET ASSY (KV-EX34K94)	152-155,174,176
152	4-036-405-11	SPRING, COMPRESSION	
153	4-075-747-01	BUTTON, POWER	
154	4-047-464-01	CATCHER, PUSH	
155	* 4-075-749-01	GUIDE, LIGHT	
156	△ 8-735-057-05	PICTURE TUBE (M68LNH070X)	(KV-EX29K94)
	△ 8-735-076-05	PICTURE TUBE (A80LPD90X)	(KV-EX34K94)
157	4-387-204-01	NUT SPECIAL, CRT	
158	* 3-704-372-11	HOLDER, HV CABLE	
159	4-046-600-11	SPACER DY	
160	X-4387-214-3	PERMALOY ASSY, CORRECTION	
161	△ 8-451-504-61	DEFLECTION YOKE (Y29RSC-S2)	(KV-EX29K94)
	△ 8-451-500-71	DEFLECTION YOKE (Y34RSC2-Y3)	(KV-EX34K94)
162	* A-1332-223-A	C BOARD, MOUNTED (KV-EX29K94)	
	* A-1332-236-A	C BOARD, MOUNTED (KV-EX34K94)	
163	△ 1-419-294-11	COIL, DEGAUSSING (KV-EX29K94)	
	△ 1-419-293-11	COIL, DEGAUSSING (KV-EX34K94)	
164	* 4-062-970-12	CLIP (29RSN), DGC (KV-EX29K94)	
	4-069-493-02	CLIP, DGC (KV-EX34K94)	

REF. NO.	PART NO.	DESCRIPTION	REMARK
165	4-064-883-03	HOLDER, DGC (KV-EX29K94)	
	4-061-369-01	HOLDER, DEGAUSE COIL (KV-EX34K94)	
166	1-452-896-11	COIL, NA ROTATION (RT200)	
167	* A-1342-623-A	VM BOARD, MOUNTED	
168	4-369-318-61	SPRING, TENSION (KV-EX29K94)	
	4-078-766-01	SPRING, EXTENSION (KV-EX34K94)	
169	1-452-032-00	MAGNET, DISC	
170	1-452-094-00	CIRCULAR DISC MAGNET B	
171	4-077-228-02	PIECE, TLH CONVERGENCE	
172	4-079-376-01	BAND, DGC (KV-EX29K94)	
	4-067-455-01	BAND, DGC (KV-EX34K94)	
173	8-453-011-41	NA299-C (KV-EX29K94)	
	8-453-007-31	NA324-M3 (KV-EX34K94)	
174	4-075-748-81	CONTROL, DOOR	
175	* 4-074-512-21	CUSHION (S), DGC (KV-EX34K94 ONLY)	
176	4-079-175-01	SCREW, CRT (TAPPING 7+M 8)	(KV-EX29K94 ONLY)
177	* X-4038-461-3	CRT (TOP, RIGHT) SUPPORT ASSY	(KV-EX29K94) (■ 2 SCREWS)
178	* X-4038-460-3	CRT (TOP, LEFT) SUPPORT ASSY	(KV-EX29K94) (■ 2 SCREWS)
179	4-063-935-21	CUSHION (50X550), DGC	(KV-EX29K94 ONLY)
180	4-082-057-01	SUPPORT, CRT (KV-EX34K94)	
181	* 4-083-178-01	SUPPORT, BOTTOM (CENTER)	(KV-EX34K94 ONLY)

SECTION 8 ELECTRICAL PARTS LIST

A

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

- All resistors are in ohms
- F : nonflammable

CAPACITORS

- MF : μ F, PF : $\mu\mu$ F

COILS

- MMH : mH, UH : μ H

REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
	* A-1299-571-A	A BOARD COMPLETE (KV-EX29K94)		C110	1-163-005-91	CERAMIC CHIP 470PF	10.00% 50V
	* A-1299-605-A	A BOARD COMPLETE (KV-EX34K94) *****		C111	1-163-005-91	CERAMIC CHIP 470PF	10.00% 50V
	4-382-854-11	SCREW (M3X10), P, SW (+)		C112	1-126-933-11	ELECT 100UF	20.00% 16V
		<CAPACITOR>		C113	1-126-967-11	ELECT 47UF	20.00% 50V
C001	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C114	1-126-967-11	ELECT 47UF	20.00% 50V
C002	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C301	1-126-767-11	ELECT 1000UF	20.00% 16V
C004	1-163-001-11	CERAMIC CHIP 220PF	10.00% 50V	C326	1-126-964-11	ELECT 10UF	20.00% 50V
C005	1-163-001-11	CERAMIC CHIP 220PF	10.00% 50V	C1100	1-163-239-11	CERAMIC CHIP 33PF	5.00% 50V
C006	1-107-725-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1101	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V
C007	1-126-933-11	ELECT 100UF	20.00% 16V	C1102	1-163-007-11	CERAMIC CHIP 680PF	10.00% 50V
C009	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1200	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C010	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1201	1-216-025-11	RES-CHIP 100	5% 1/10W
C012	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	C1202	1-126-947-11	ELECT 47UF	20.00% 16V
C013	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C1203	1-126-947-11	ELECT 47UF	20.00% 16V
C014	1-126-967-11	ELECT 47UF	20.00% 50V	C1204	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C015	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	C1205	1-107-698-11	ELECT 10UF	20.00% 25V
C016	1-163-243-11	CERAMIC CHIP 47PF	5.00% 50V	C1206	1-216-025-11	RES-CHIP 100	5% 1/10W
C017	1-163-247-91	CERAMIC CHIP 68PF	5.00% 50V	C1207	1-107-698-11	ELECT 10UF	20.00% 25V
C018	1-104-665-11	ELECT 100UF (KV-EX34K94)	20.00% 10V	C1208	1-126-960-11	ELECT 1UF	20.00% 50V
C021	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C1209	1-126-960-11	ELECT 1UF	20.00% 50V
C022	1-163-809-11	CERAMIC CHIP 0.047UF	10.00% 25V	C1210	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C024	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	C1211	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C028	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V	C1212	1-115-185-11	CERAMIC CHIP 0.033UF	10.00% 50V
C030	1-126-947-11	ELECT 47UF	20.00% 25V	C1213	1-164-182-11	CERAMIC CHIP 0.0033UF	10.00% 50V
C031	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C1216	1-164-344-11	CERAMIC CHIP 0.068UF	10.00% 25V
C032	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C1217	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V
C033	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C1218	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V
C034	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V	C1220	1-126-960-11	ELECT 1UF	20.00% 50V
C035	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C1222	1-126-963-11	ELECT 4.7UF	20.00% 50V
C036	1-104-665-11	ELECT 100UF	20.00% 25V	C1223	1-126-963-11	ELECT 4.7UF	20.00% 50V
C041	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C1224	1-126-965-91	ELECT 22UF	20.00% 50V
C042	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C1225	1-104-665-11	ELECT 100UF	20.00% 25V
C043	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C1226	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C044	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C1227	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C045	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C1228	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C046	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C1229	1-115-185-11	CERAMIC CHIP 0.033UF	10.00% 50V
C047	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C1230	1-164-182-11	CERAMIC CHIP 0.0033UF	10.00% 50V
C048	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C1231	1-164-344-11	CERAMIC CHIP 0.068UF	10.00% 25V
C050	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C1232	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C101	1-126-964-11	ELECT 10UF	20.00% 50V	C1233	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C103	1-107-725-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1240	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V
C104	1-126-933-11	ELECT 100UF	20.00% 16V	C1241	1-128-550-11	ELECT 2200UF	20.00% 50V
C106	1-163-035-00	CERAMIC CHIP 0.047UF	50V	C1243	1-131-612-11	ELECT 6800UF	20% 50V
C107	1-163-005-91	CERAMIC CHIP 470PF	10.00% 50V	C1245	1-128-550-11	ELECT 2200UF	20.00% 50V
C108	1-126-933-11	ELECT 100UF	20.00% 16V	C1247	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C109	1-163-005-91	CERAMIC CHIP 470PF	10.00% 50V	C1248	1-216-045-00	RES-CHIP 680	5% 1/10W
				C1249	1-216-295-91	SHORT 0	
				C1250	1-164-505-11	CERAMIC CHIP 2.2UF	16V
				C1251	1-216-045-00	RES-CHIP 680	5% 1/10W
				C1252	1-216-295-91	SHORT 0	
				C1253	1-164-505-11	CERAMIC CHIP 2.2UF	16V

A

REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
C1254	1-163-038-91	CERAMIC CHIP	0.1UF 25V	C2616	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C1255	1-126-941-11	ELECT	470UF 20.00% 25V	C2617	1-104-665-11	ELECT	100UF 20.00% 10V
C1256	1-126-964-11	ELECT	10UF 20.00% 50V	C3302	1-126-964-11	ELECT	10UF 20.00% 50V
C1265	1-249-429-11	CARBON	10K 5% 1/4W	C3336	1-126-933-11	ELECT	100UF 20.00% 16V
C1266	1-126-964-11	ELECT	10UF 20.00% 50V	C3337	1-163-035-00	CERAMIC CHIP	0.047UF 50V
C1267	1-136-161-00	FILM	0.047UF 5.00% 50V	C3338	1-163-005-91	CERAMIC CHIP	470PF 10.00% 50V
C1268	1-163-017-00	CERAMIC CHIP (KV-EX29K94)	0.0047UF 10.00% 50V	C3350	1-163-005-91	CERAMIC CHIP	470PF 10.00% 50V
C1268	1-163-019-00	CERAMIC CHIP (KV-EX34K94)	0.0068UF 10.00% 50V	C3351	1-163-005-91	CERAMIC CHIP	470PF 10.00% 50V
C1270	1-163-017-00	CERAMIC CHIP (KV-EX29K94)	0.0047UF 10.00% 50V	C3352	1-163-005-91	CERAMIC CHIP	470PF 10.00% 50V
C1270	1-163-019-00	CERAMIC CHIP (KV-EX34K94)	0.0068UF 10.00% 50V	C3353	1-126-933-11	ELECT	100UF 20.00% 16V
C1271	1-136-161-00	FILM	0.047UF 5.00% 50V	C3354	1-126-967-11	ELECT	47UF 20.00% 50V
C1273	1-126-964-11	ELECT	10UF 20.00% 50V	C3355	1-126-967-11	ELECT	47UF 20.00% 50V
C1274	1-115-339-11	CERAMIC CHIP	0.1UF 10.00% 50V	C4300	1-126-964-11	ELECT	10UF 20.00% 50V
C1275	1-126-948-11	ELECT	100UF 20.00% 35V	C4301	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C1286	1-126-963-11	ELECT	4.7UF 20.00% 50V	C4303	1-164-489-11	CERAMIC CHIP	0.22UF 10.00% 16V
C1287	1-126-963-11	ELECT	4.7UF 20.00% 50V	C4307	1-107-823-11	CERAMIC CHIP	0.47UF 10.00% 16V
C1288	1-164-489-11	CERAMIC CHIP	0.22UF 10.00% 16V	C4308	1-126-960-11	ELECT	1UF 20.00% 50V
C1289	1-163-017-00	CERAMIC CHIP	0.0047UF 10.00% 50V	C4309	1-164-489-11	CERAMIC CHIP	0.22UF 10.00% 16V
C1290	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V	C4316	1-126-947-11	ELECT	47UF 20.00% 25V
C1291	1-104-665-11	ELECT	100UF 20.00% 25V	C4317	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C1292	1-115-339-11	CERAMIC CHIP	0.1UF 10.00% 50V	C4318	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C1293	1-126-964-11	ELECT	10UF 20.00% 50V	C4319	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C1294	1-126-964-11	ELECT	10UF 20.00% 50V	C4320	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C1295	1-126-964-11	ELECT	10UF 20.00% 50V	C4321	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C1296	1-115-339-11	CERAMIC CHIP	0.1UF 10.00% 50V	C4322	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C1297	1-136-161-00	FILM	0.047UF 5.00% 50V	C4324	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C1298	1-126-960-11	ELECT	1UF 20.00% 50V	C4325	1-163-227-11	CERAMIC CHIP	10PF 0.50PF 50V
C1299	1-163-017-00	CERAMIC CHIP	0.0047UF 10.00% 50V	C4326	1-164-346-11	CERAMIC CHIP	1UF 16V
C1301	1-126-933-11	ELECT	100UF 20.00% 16V	C4327	1-164-346-11	CERAMIC CHIP	1UF 16V
C1302	1-115-339-11	CERAMIC CHIP	0.1UF 10.00% 50V	C4328	1-164-346-11	CERAMIC CHIP	1UF 16V
C1303	1-104-665-11	ELECT	100UF 20.00% 25V	C4329	1-126-963-11	ELECT	4.7UF 20.00% 50V
C1304	1-163-017-00	CERAMIC CHIP	0.0047UF 10.00% 50V	C4330	1-136-244-11	FILM	0.1UF 5.00% 50V
C1305	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V	C4331	1-126-959-11	ELECT	0.47UF 20.00% 50V
C1312	1-164-505-11	CERAMIC CHIP	2.2UF 16V	C4332	1-136-161-00	FILM	0.047UF 5.00% 50V
C1322	1-136-161-00	FILM	0.047UF 5.00% 50V	C4333	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C2200	1-126-964-11	ELECT	10UF 20.00% 50V	C4334	1-126-967-11	ELECT	47UF 20.00% 50V
C2201	1-126-964-11	ELECT	10UF 20.00% 50V	C4336	1-126-967-11	ELECT	47UF 20.00% 50V
C2202	1-126-964-11	ELECT	10UF 20.00% 50V	C4338	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C2203	1-126-963-11	ELECT	4.7UF 20.00% 50V	C4339	1-163-235-11	CERAMIC CHIP	22PF 5.00% 50V
C2204	1-164-505-11	CERAMIC CHIP	2.2UF 16V	C4340	1-126-933-11	ELECT	100UF 20.00% 16V
C2205	1-164-505-11	CERAMIC CHIP	2.2UF 16V	C4341	1-163-227-11	CERAMIC CHIP	10PF 0.50PF 50V
C2206	1-126-964-11	ELECT	10UF 20.00% 50V	C4342	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C2207	1-164-505-11	CERAMIC CHIP	2.2UF 16V	C4343	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C2208	1-164-505-11	CERAMIC CHIP	2.2UF 16V	C4344	1-163-809-11	CERAMIC CHIP	0.047UF 10.00% 25V
C2209	1-126-968-11	ELECT	100UF 20.00% 50V	C4345	1-126-967-11	ELECT	47UF 20.00% 50V
C2600	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V	C4346	1-164-346-11	CERAMIC CHIP	1UF 16V
C2601	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V	C4348	1-164-346-11	CERAMIC CHIP	1UF 16V
C2602	1-126-933-11	ELECT	100UF 20.00% 16V	C4349	1-164-346-11	CERAMIC CHIP	1UF 16V
C2603	1-126-933-11	ELECT	100UF 20.00% 16V	C4350	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C2605	1-104-665-11	ELECT	100UF 20.00% 10V	C4351	1-163-009-91	CERAMIC CHIP	0.001UF 10.00% 50V
C2606	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V	C4352	1-126-967-11	ELECT	47UF 20.00% 50V
C2607	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V	C4353	1-107-823-11	CERAMIC CHIP	0.47UF 10.00% 16V
C2609	1-104-665-11	ELECT	100UF 20.00% 10V	C4354	1-107-823-11	CERAMIC CHIP	0.47UF 10.00% 16V
C2610	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V	C4355	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C2612	1-104-665-11	ELECT	100UF 20.00% 25V	C4356	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C2613	1-126-936-11	ELECT	3300UF 20.00% 16V	C4357	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C2615	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V	C4358	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
				C4359	1-164-161-11	CERAMIC CHIP	0.0022UF 10.00% 50V
				C4360	1-126-963-11	ELECT	4.7UF 20.00% 50V
				C4362	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V



REF NO.	PART NO.	DESCRIPTION	REMARK
C4363	1-126-967-11	ELECT	47UF 20.00% 50V
C4364	1-126-967-11	ELECT	47UF 20.00% 50V
C4366	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C4367	1-115-185-11	CERAMIC CHIP	0.033UF 10.00% 50V
C4367	1-163-989-11	CERAMIC CHIP (KV-EX29K94)	0.033UF 10.00% 25V
C4369	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C4370	1-126-967-11	ELECT	47UF 20.00% 50V
C4371	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C4378	1-163-251-11	CERAMIC CHIP	100PF 5.00% 50V
C4380	1-163-037-11	CERAMIC CHIP (KV-EX34K94 ONLY)	0.022UF 10.00% 50V
C8300	1-107-823-11	CERAMIC CHIP	0.47UF 10.00% 16V
C8301	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C8302	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C8303	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C8304	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C8305	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C8306	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C8307	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C8308	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C8309	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C8310	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C8311	1-164-346-11	CERAMIC CHIP	1UF 16V
C8312	1-164-346-11	CERAMIC CHIP	1UF 16V
C8313	1-164-346-11	CERAMIC CHIP	1UF 16V
C8314	1-164-346-11	CERAMIC CHIP	1UF 16V
C8317	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8318	1-164-346-11	CERAMIC CHIP	1UF 16V
C8319	1-164-346-11	CERAMIC CHIP	1UF 16V
C8320	1-117-720-11	CERAMIC CHIP	4.7UF 10V
C8321	1-117-720-11	CERAMIC CHIP	4.7UF 10V
C8322	1-164-346-11	CERAMIC CHIP	1UF 16V
C8323	1-164-346-11	CERAMIC CHIP	1UF 16V
C8324	1-117-720-11	CERAMIC CHIP	4.7UF 10V
C8325	1-126-935-11	ELECT	470UF 20.00% 16V
C8326	1-107-823-11	CERAMIC CHIP	0.47UF 10.00% 16V
C8330	1-164-346-11	CERAMIC CHIP	1UF 16V
C8331	1-164-346-11	CERAMIC CHIP	1UF 16V
C8336	1-126-947-11	ELECT	47UF 20.00% 16V
C8337	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8338	1-164-346-11	CERAMIC CHIP	1UF 16V
C8339	1-164-346-11	CERAMIC CHIP	1UF 16V
C8340	1-107-823-11	CERAMIC CHIP	0.47UF 10.00% 16V
C8341	1-107-823-11	CERAMIC CHIP	0.47UF 10.00% 16V
C8342	1-126-964-11	ELECT	10UF 20.00% 50V
C8343	1-126-947-11	ELECT	47UF 20.00% 16V
C8346	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8349	1-117-720-11	CERAMIC CHIP	4.7UF 10V
C8354	1-107-823-11	CERAMIC CHIP	0.47UF 10.00% 16V
C8355	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C8356	1-164-346-11	CERAMIC CHIP	1UF 16V
C8357	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C8358	1-164-346-11	CERAMIC CHIP	1UF 16V
C8359	1-163-037-11	CERAMIC CHIP	0.022UF 10.00% 50V
C8360	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C8361	1-126-961-11	ELECT	2.2UF 20.00% 50V
C8366	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C8367	1-126-947-11	ELECT	47UF 20.00% 16V
C8368	1-126-947-11	ELECT	47UF 20.00% 16V
C8369	1-126-947-11	ELECT	47UF 20.00% 16V
C8370	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V

REF NO.	PART NO.	DESCRIPTION	REMARK
C8371	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8372	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8373	1-163-227-11	CERAMIC CHIP	10PF 0.50PF 50V
C8375	1-126-964-11	ELECT	10UF 20.00% 50V
C8376	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8377	1-164-346-11	CERAMIC CHIP	1UF 16V
C8378	1-164-346-11	CERAMIC CHIP	1UF 16V
C8379	1-117-720-11	CERAMIC CHIP	4.7UF 10V
C8380	1-164-346-11	CERAMIC CHIP	1UF 16V
C8381	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C8382	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8383	1-164-346-11	CERAMIC CHIP	1UF 16V
C8384	1-164-346-11	CERAMIC CHIP	1UF 16V
C8385	1-164-346-11	CERAMIC CHIP	1UF 16V
C8386	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8390	1-126-963-11	ELECT	4.7UF 20.00% 50V
C8391	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8392	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8393	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8411	1-117-720-11	CERAMIC CHIP	4.7UF 10V
C8413	1-117-720-11	CERAMIC CHIP	4.7UF 10V
C8430	1-117-720-11	CERAMIC CHIP	4.7UF 10V
C8431	1-163-243-11	CERAMIC CHIP	47PF 5.00% 50V
C8432	1-163-239-11	CERAMIC CHIP	33PF 5.00% 50V
C8441	1-164-346-11	CERAMIC CHIP	1UF 16V
C8446	1-126-947-11	ELECT	47UF 20.00% 16V
C8447	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8448	1-164-690-91	CERAMIC CHIP	0.0022UF 5.00% 50V
C8450	1-107-823-11	CERAMIC CHIP	0.47UF 10.00% 16V
C8451	1-164-505-11	CERAMIC CHIP	2.2UF 16V
C8452	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8453	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8454	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8455	1-126-947-11	ELECT	47UF 20.00% 16V
C8456	1-126-947-11	ELECT	47UF 20.00% 16V
C8457	1-126-947-11	ELECT	47UF 20.00% 16V
C8459	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8462	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C8480	1-164-346-11	CERAMIC CHIP	1UF 16V
<CONNECTOR>			
CN1100	* 1-785-608-11	PIN, CONNECTOR 4P	
CN1108	1-793-494-11	CONNECTOR, BOARD TO BOARD 40P	
CN1114	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1116	1-695-915-11	TAB (CONTACT)	
CN1118	1-793-493-11	CONNECTOR, BOARD TO BOARD 20P	
CN1190	* 1-764-333-11	PLUG, CONNECTOR 10P	
CN1193	* 1-764-333-11	PLUG, CONNECTOR 10P	
CN2600	1-695-915-11	TAB (CONTACT)	
CN4500	* 1-764-333-11	PLUG, CONNECTOR 10P	
CN8301	* 1-764-333-11	PLUG, CONNECTOR 10P	
CN8302	* 1-564-511-11	PLUG, CONNECTOR 8P	
CN8402	1-793-493-11	CONNECTOR, BOARD TO BOARD 20P	
<DIODE>			
D001	8-719-404-50	MA111-TX	
D002	8-719-404-50	MA111-TX	
D003	8-719-404-50	MA111-TX	
D004	8-719-404-50	MA111-TX	
D005	8-719-404-50	MA111-TX	

A

REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
D006	8-719-404-50	MA111-TX				<FILTER>	
D007	8-719-158-18	RD5.6SB3		FL001	1-236-071-11	ENCAPSULATED COMPONENT	
D013	8-719-158-18	RD5.6SB3		FL8301	1-236-071-11	ENCAPSULATED COMPONENT	
D300	1-216-295-91	SHORT	0	FL8303	1-236-071-11	ENCAPSULATED COMPONENT	
D301	8-719-404-50	MA111-TX		FL8304	1-236-071-11	ENCAPSULATED COMPONENT	
				FL8305	1-236-071-11	ENCAPSULATED COMPONENT	
D302	8-719-404-50	MA111-TX					
D317	8-719-404-50	MA111-TX		FL8311	1-236-071-11	ENCAPSULATED COMPONENT	
D1200	8-719-978-69	DTZ-TT11-16B				<IC>	
D1201	8-719-988-61	ISS355TE-17		IC001	8-752-925-22	IC CXP750096-043Q	
D1203	8-719-404-50	MA111-TX		IC002	8-759-663-29	MM1476AF(TP)	
				IC003	8-759-699-33	M24C16-MN6T(A)	
D1204	8-719-404-50	MA111-TX		IC1200	8-759-100-96	UPC4558G2	
D1216	8-719-404-50	MA111-TX		IC1201	8-759-690-57	BH3868BFS-E2	
D2200	8-719-158-35	RD9.1S-B					
D2201	8-719-158-35	RD9.1S-B		IC1203	8-759-100-96	UPC4558G2	
D4303	8-719-109-72	RD3.9ES-B2		IC1204	6-700-540-01	IC AN7582Z	
				IC1205	8-759-711-10	NJU4066BM	
D4304	8-719-977-22	DTZ9.1		IC1206	8-759-689-71	NJM2188M-TE2	
D4305	8-719-977-22	DTZ9.1		IC2200	8-759-745-64	NJM4560M	
D4306	8-719-404-50	MA111-TX					
D4311	8-719-914-43	DAN202K		IC2600	8-759-095-63	PQ09RF2	
D4312	8-719-914-43	DAN202K		IC2601	8-759-065-07	PQ05RF2	
				IC2603	8-759-445-59	BA033T	
D4313	8-719-401-63	MA3062M-TX		IC4301	8-752-090-87	CXA2100AQ	
D4314	8-719-404-50	MA111-TX		IC8302	8-752-080-04	CXA2069Q	
D8301	8-719-158-35	RD9.1S-B					
D8302	8-719-158-35	RD9.1S-B		IC8306	8-752-096-06	CXA2163Q-T6	
D8303	8-719-158-35	RD9.1S-B		IC8309	8-759-337-26	MM1115XFBE	
				IC8310	8-759-572-04	TDA9178T/N1.118	
D8304	8-719-158-35	RD9.1S-B		IC8312	8-759-485-79	TC7SET08FU(TE85L	
D8305	8-719-158-35	RD9.1S-B					
D8306	8-719-158-35	RD9.1S-B				<JACK>	
D8307	8-719-158-35	RD9.1S-B		J8301	1-784-646-11	TERMINAL, S	
D8308	8-719-158-35	RD9.1S-B		J8302	1-778-387-11	JACK BLOCK, PIN 12P	
D8309	8-719-158-35	RD9.1S-B				<CHIP CONDUCTOR>	
D8310	8-719-158-35	RD9.1S-B		JR001	1-216-295-91	SHORT	0
D8311	8-719-158-35	RD9.1S-B		JR107	1-216-295-91	SHORT	0
D8312	8-719-158-35	RD9.1S-B		JR111	1-216-295-91	SHORT	0
D8313	8-719-158-35	RD9.1S-B		JR1214	1-216-295-91	SHORT	0
				JR1219	1-216-295-91	SHORT	0
D8314	8-719-158-35	RD9.1S-B					
D8315	8-719-158-35	RD9.1S-B		JR1220	1-216-295-91	SHORT	0
D8316	8-719-158-35	RD9.1S-B		JR1221	1-216-295-91	SHORT	0
D8320	8-719-158-35	RD9.1S-B		JR1301	1-216-295-91	SHORT	0
D8321	8-719-158-35	RD9.1S-B		JR1302	1-216-295-91	SHORT	0
				JR4301	1-216-295-91	SHORT	0
D8322	8-719-158-35	RD9.1S-B					
D8323	8-719-158-35	RD9.1S-B		JR4302	1-216-295-91	SHORT	0
D8324	8-719-158-35	RD9.1S-B		JR4303	1-216-295-91	SHORT	0
D8325	8-719-158-35	RD9.1S-B					
D8331	8-719-041-97	MA113-(TX)				<COIL>	
				L001	1-414-856-11	INDUCTOR	10UH
		<FERRITE BEAD>		L002	1-414-856-11	INDUCTOR	10UH
FB002	1-414-233-22	FERRITE	0UH	L003	1-414-751-11	INDUCTOR	1UH
FB003	1-414-233-22	FERRITE	0UH	L005	1-414-856-11	INDUCTOR	10UH
FB004	1-414-233-22	FERRITE	0UH	L006	1-412-525-31	INDUCTOR	10UH
FB005	1-414-233-22	FERRITE	0UH				
FB006	1-414-233-22	FERRITE	0UH	L101	1-414-856-11	INDUCTOR	10UH
				L102	1-414-856-11	INDUCTOR	10UH
FB008	1-414-233-22	FERRITE	0UH	L103	1-414-856-11	INDUCTOR	10UH
FB1300	1-216-295-91	SHORT	0	L104	1-414-856-11	INDUCTOR	10UH
FB2300	1-410-397-21	FERRITE	1.1UH	L105	1-414-856-11	INDUCTOR	10UH
FB4387	1-216-295-91	SHORT	0				
FB4388	1-216-295-91	SHORT	0				
FB4389	1-216-295-91	SHORT	0				



REF NO.	PART NO.	DESCRIPTION	REMARK
L1200	1-414-856-11	INDUCTOR	10UH
L1201	1-414-856-11	INDUCTOR	10UH
L1300	1-414-856-11	INDUCTOR	10UH
L3303	1-414-856-11	INDUCTOR	10UH
L3304	1-414-856-11	INDUCTOR	10UH
L3305	1-414-856-11	INDUCTOR	10UH
L3306	1-414-856-11	INDUCTOR	10UH
L4301	1-412-029-11	INDUCTOR	10UH
L4302	1-412-029-11	INDUCTOR	10UH
L4303	1-412-030-11	INDUCTOR	22UH
L4304	1-412-029-11	INDUCTOR	10UH
L4305	1-412-029-11	INDUCTOR	10UH
L4306	1-412-029-11	INDUCTOR	10UH
L4308	1-412-031-11	INDUCTOR	47UH
L4309	1-412-031-11	INDUCTOR	47UH
L4311	1-412-002-31	INDUCTOR	4.7UH
L8302	1-414-196-41	INDUCTOR	47UH
L8303	1-414-196-41	INDUCTOR	47UH
L8304	1-414-196-41	INDUCTOR	47UH
		<IC LINK>	
PS1201	1-533-597-41	LINK, IC	
		<TRANSISTOR>	
Q001	8-729-026-49	2SA1037AK-T146-R	
Q002	8-729-230-49	2SC2712-YG	
Q003	8-729-230-49	2SC2712-YG	
Q004	8-729-230-49	2SC2712-YG	
Q008	8-729-230-49	2SC2712-YG (KV-EX34K94 ONLY)	
Q101	8-729-026-49	2SA1037AK-T146-R	
Q301	8-729-026-49	2SA1037AK-T146-R	
Q313	8-729-230-49	2SC2712-YG	
Q1203	8-729-027-44	DTC114TKA-T146	
Q1207	8-729-216-22	2SA1162-G	
Q1208	8-729-027-44	DTC114TKA-T146	
Q1210	8-729-027-44	DTC114TKA-T146	
Q2200	8-729-027-56	DTC143TKA-T146	
Q2201	8-729-027-56	DTC143TKA-T146	
Q3300	8-729-026-49	2SA1037AK-T146-R	
Q4300	8-729-422-33	2SD601A-Q-TX	
Q4301	8-729-230-49	2SC2712-YG	
Q4302	8-729-424-02	2SB709A-QRS-TX	
Q4303	8-729-120-28	2SC1623-L5L6	
Q4304	8-729-230-49	2SC2712-YG	
Q4307	8-729-424-02	2SB709A-QRS-TX	
Q4308	8-729-424-02	2SB709A-QRS-TX	
Q4310	8-729-424-02	2SB709A-QRS-TX	
Q4311	8-729-424-02	2SB709A-QRS-TX	
Q4312	8-729-424-02	2SB709A-QRS-TX	
Q4313	8-729-422-33	2SD601A-Q-TX	
Q4314	8-729-424-02	2SB709A-QRS-TX	
Q4315	1-801-806-11	TR DTC144EKA	
Q4316	8-729-230-49	2SC2712-YG	
Q4317	8-729-900-53	DTC114EK	
Q4318	8-729-230-49	2SC2712-YG (KV-EX34K94 only)	
Q4319	8-729-424-02	2SB709A-QRS-TX	
Q8301	8-729-026-49	2SA1037AK-T146-R	
Q8302	8-729-230-49	2SC2712-YG	
Q8303	8-729-230-49	2SC2712-YG	

REF NO.	PART NO.	DESCRIPTION	REMARK
Q8306	8-729-230-49	2SC2712-YG	
Q8310	8-729-230-49	2SC2712-YG	
Q8319	8-729-026-49	2SA1037AK-T146-R	
Q8320	8-729-026-49	2SA1037AK-T146-R	
Q8321	8-729-026-49	2SA1037AK-T146-R	
Q8325	8-729-230-49	2SC2712-YG	
Q8326	8-729-230-49	2SC2712-YG	
Q8327	1-801-806-11	TR DTC144EKA	
Q8328	1-801-806-11	TR DTC144EKA	
Q8329	8-729-230-49	2SC2712-YG	
Q8330	8-729-230-49	2SC2712-YG	
Q8331	8-729-230-49	2SC2712-YG	
Q8332	8-729-230-49	2SC2712-YG	
Q8333	8-729-230-49	2SC2712-YG	
Q8334	8-729-230-49	2SC2712-YG	
Q8335	8-729-230-49	2SC2712-YG	
Q8336	8-729-230-49	2SC2712-YG	
Q8337	8-729-230-49	2SC2712-YG	
Q8344	8-729-026-49	2SA1037AK-T146-R	
Q8351	8-729-230-49	2SC2712-YG	
Q8352	8-729-026-49	2SA1037AK-T146-R	
Q8358	1-801-806-11	TR DTC144EKA	
Q8359	1-801-806-11	TR DTC144EKA	
Q8360	1-801-806-11	TR DTC144EKA	
Q8361	8-729-230-49	2SC2712-YG	
Q8362	8-729-230-49	2SC2712-YG	
Q8363	8-729-230-49	2SC2712-YG	
Q8364	8-729-026-49	2SA1037AK-T146-R	
		<RESISTOR>	
R001	1-216-033-00	RES-CHIP	220 5% 1/10W
R002	1-216-033-00	RES-CHIP	220 5% 1/10W
R004	1-216-295-91	SHORT	0
R005	1-216-295-91	SHORT	0
R006	1-216-029-00	RES-CHIP	150 5% 1/10W
R007	1-216-033-00	RES-CHIP	220 5% 1/10W
R008	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R009	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R010	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R011	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R012	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R013	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R014	1-216-025-11	RES-CHIP	100 5% 1/10W
R015	1-216-025-11	RES-CHIP	100 5% 1/10W
R016	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R017	1-216-049-11	RES-CHIP	1K 5% 1/10W
R018	1-216-045-00	RES-CHIP	680 5% 1/10W
R019	1-216-049-11	RES-CHIP	1K 5% 1/10W
R020	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R021	1-216-295-91	SHORT	0
R022	1-216-033-00	RES-CHIP	220 5% 1/10W
R023	1-216-025-11	RES-CHIP	100 5% 1/10W
R024	1-216-063-91	RES-CHIP	3.9K 5% 1/10W
R025	1-216-049-11	RES-CHIP	1K 5% 1/10W
R026	1-216-049-11	RES-CHIP	1K 5% 1/10W
R027	1-216-049-11	RES-CHIP	1K 5% 1/10W
R028	1-216-049-11	RES-CHIP	1K 5% 1/10W
R029	1-216-049-11	RES-CHIP	1K 5% 1/10W
R030	1-216-025-11	RES-CHIP	100 5% 1/10W
R031	1-216-033-00	RES-CHIP	220 5% 1/10W
R032	1-216-049-11	RES-CHIP	1K 5% 1/10W
R033	1-216-033-00	RES-CHIP	220 5% 1/10W

A

REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
R035	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R114	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R036	1-216-083-00	RES-CHIP	27K 5% 1/10W	R115	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R037	1-216-083-00	RES-CHIP	27K 5% 1/10W	R116	1-216-025-11	RES-CHIP	100 5% 1/10W
R038	1-216-045-00	RES-CHIP	680 5% 1/10W	R117	1-216-025-11	RES-CHIP	100 5% 1/10W
R039	1-216-025-11	RES-CHIP	100 5% 1/10W	R118	1-216-025-11	RES-CHIP	100 5% 1/10W
R040	1-216-033-00	RES-CHIP	220 5% 1/10W	R123	1-216-025-11	RES-CHIP	100 5% 1/10W
R041	1-216-025-11	RES-CHIP	100 5% 1/10W	R124	1-216-025-11	RES-CHIP	100 5% 1/10W
R042	1-216-295-91	SHORT	0	R301	1-216-113-00	RES-CHIP	470K 5% 1/10W
R043	1-216-025-11	RES-CHIP	100 5% 1/10W	R302	1-216-089-91	RES-CHIP	47K 5% 1/10W
R044	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R303	1-216-089-91	RES-CHIP	47K 5% 1/10W
R045	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R1200	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R046	1-216-033-00	RES-CHIP	220 5% 1/10W	R1201	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R047	1-216-033-00	RES-CHIP	220 5% 1/10W	R1202	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R048	1-216-073-91	RES-CHIP	10K 5% 1/10W	R1203	1-216-049-11	RES-CHIP	1K 5% 1/10W
R049	1-216-689-11	RES-CHIP	39K 5% 1/10W	R1204	1-216-049-11	RES-CHIP	1K 5% 1/10W
R050	1-216-689-11	RES-CHIP	39K 5% 1/10W	R1205	1-216-073-91	RES-CHIP	10K 5% 1/10W
R051	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1206	1-216-073-91	RES-CHIP	10K 5% 1/10W
R052	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1207	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R053	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1210	1-216-095-00	RES-CHIP	82K 5% 1/10W
R054	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1211	1-216-053-00	RES-CHIP	1.5K 5% 1/10W
R055	1-216-295-91	SHORT	0	R1212	1-216-091-00	RES-CHIP	56K 5% 1/10W
R058	1-216-295-91	SHORT	0	R1213	1-216-085-91	RES-CHIP	33K 5% 1/10W
R060	1-216-089-91	RES-CHIP (KV-EX34K94 ONLY)	47K 5% 1/10W	R1214	1-216-129-00	RES-CHIP	2.2M 5% 1/10W
R062	1-216-069-00	RES-CHIP (KV-EX34K94 ONLY)	6.8K 5% 1/10W	R1215	1-216-095-00	RES-CHIP	82K 5% 1/10W
R065	1-216-045-00	RES-CHIP	680 5% 1/10W	R1216	1-216-055-00	RES-CHIP	1.8K 5% 1/10W
R066	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1217	1-216-053-00	RES-CHIP	1.5K 5% 1/10W
R067	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1218	1-216-053-00	RES-CHIP	1.5K 5% 1/10W
R068	1-216-073-91	RES-CHIP	10K 5% 1/10W	R1219	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R069	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R1220	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R070	1-216-033-00	RES-CHIP	220 5% 1/10W	R1221	1-216-055-00	RES-CHIP	1.8K 5% 1/10W
R071	1-216-025-11	RES-CHIP	100 5% 1/10W	R1222	1-216-055-00	RES-CHIP	1.8K 5% 1/10W
R072	1-216-025-11	RES-CHIP	100 5% 1/10W	R1224	1-216-073-91	RES-CHIP	10K 5% 1/10W
R073	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	R1227	1-216-071-00	RES-CHIP	8.2K 5% 1/10W
R074	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	R1228	1-249-405-11	CARBON	100 5% 1/4W
R075	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	R1230	1-249-405-11	CARBON	100 5% 1/4W
R076	1-216-295-91	SHORT	0	R1231	1-216-295-91	SHORT	0
R077	1-216-025-11	RES-CHIP	100 5% 1/10W	R1232	1-216-097-11	RES-CHIP	100K 5% 1/10W
R078	1-216-295-91	SHORT	0	R1236	1-216-097-11	RES-CHIP	100K 5% 1/10W
R079	1-216-025-11	RES-CHIP	100 5% 1/10W	R1238	1-216-073-91	RES-CHIP	10K 5% 1/10W
R080	1-216-063-91	RES-CHIP	3.9K 5% 1/10W	R1239	1-216-073-91	RES-CHIP	10K 5% 1/10W
R081	1-216-025-11	RES-CHIP	100 5% 1/10W	R1253	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R082	1-216-041-00	RES-CHIP	470 5% 1/10W	R1254	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R083	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1256	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R084	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1257	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R085	1-208-798-11	METAL CHIP	4.7K 0.5% 1/10W	R1258	1-216-073-91	RES-CHIP	10K 5% 1/10W
R086	1-216-073-91	RES-CHIP	10K 5% 1/10W	R1259	1-216-049-11	RES-CHIP	1K 5% 1/10W
R087	1-216-033-00	RES-CHIP	220 5% 1/10W	R1263	1-216-073-91	RES-CHIP	10K 5% 1/10W
R093	1-216-073-91	RES-CHIP	10K 5% 1/10W	R1265	1-249-397-11	CARBON	22 5% 1/4W
R094	1-216-073-91	RES-CHIP	10K 5% 1/10W	R1268	1-249-397-11	CARBON	22 5% 1/4W
R100	1-216-025-11	RES-CHIP	100 5% 1/10W	R1288	1-216-121-11	RES-CHIP	1M 5% 1/10W
R104	1-216-025-11	RES-CHIP	100 5% 1/10W	R1289	1-216-121-11	RES-CHIP	1M 5% 1/10W
R105	1-216-295-91	SHORT	0	R1290	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R106	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1291	1-216-091-00	RES-CHIP	56K 5% 1/10W
R107	1-216-073-91	RES-CHIP (KV-EX34K94)	10K 5% 1/10W	R1292	1-216-085-91	RES-CHIP	33K 5% 1/10W
R109	1-216-041-00	RES-CHIP	470 5% 1/10W	R1293	1-216-025-11	RES-CHIP	100 5% 1/10W
R110	1-216-043-91	RES-CHIP	560 5% 1/10W	R1294	1-216-025-11	RES-CHIP	100 5% 1/10W
R111	1-216-025-11	RES-CHIP	100 5% 1/10W	R2200	1-216-021-00	RES-CHIP	68 5% 1/10W
R112	1-216-025-11	RES-CHIP	100 5% 1/10W	R2201	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
				R2202	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
				R2203	1-216-021-00	RES-CHIP	68 5% 1/10W



REF NO.	PART NO.	DESCRIPTION	REMARK
R2204	1-216-073-91	RES-CHIP	10K 5% 1/10W
R2205	1-216-097-11	RES-CHIP	100K 5% 1/10W
R2206	1-216-117-00	RES-CHIP	680K 5% 1/10W
R2207	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R2208	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R2209	1-216-117-00	RES-CHIP	680K 5% 1/10W
R2210	1-216-089-91	RES-CHIP	47K 5% 1/10W
R2211	1-216-097-11	RES-CHIP	100K 5% 1/10W
R2212	1-216-073-91	RES-CHIP	10K 5% 1/10W
R2213	1-216-089-91	RES-CHIP	47K 5% 1/10W
R2214	1-216-089-91	RES-CHIP	47K 5% 1/10W
R2215	1-216-089-91	RES-CHIP	47K 5% 1/10W
R2605	1-216-371-00	METAL OXIDE	1.5 5% 2W
R3300	1-216-043-91	RES-CHIP	560 5% 1/10W
R3304	1-216-041-00	RES-CHIP	470 5% 1/10W
R3320	1-216-073-91	RES-CHIP	10K 5% 1/10W
R3323	1-216-025-11	RES-CHIP	100 5% 1/10W
R3334	1-216-025-11	RES-CHIP	100 5% 1/10W
R3362	1-216-049-11	RES-CHIP	1K 5% 1/10W
R3374	1-216-295-91	SHORT	0
R4300	1-216-025-11	RES-CHIP	100 5% 1/10W
R4301	1-216-025-11	RES-CHIP	100 5% 1/10W
R4302	1-216-025-11	RES-CHIP	100 5% 1/10W
R4303	1-216-025-11	RES-CHIP	100 5% 1/10W
R4304	1-216-025-11	RES-CHIP	100 5% 1/10W
R4305	1-216-025-11	RES-CHIP	100 5% 1/10W
R4308	1-216-295-91	SHORT	0
R4310	1-216-295-91	SHORT	0
R4312	1-216-295-91	SHORT	0
R4313	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R4314	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R4316	1-216-069-00	RES-CHIP	6.8K 5% 1/10W
R4317	1-216-081-00	RES-CHIP	22K 5% 1/10W
R4318	1-208-810-11	METAL CHIP	15K 0.5% 1/10W
R4319	1-208-810-11	METAL CHIP	15K 0.5% 1/10W
R4320	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
R4321	1-216-298-00	RES-CHIP	2.2 5% 1/10W
R4323	1-208-814-91	METAL CHIP	22K 0.5% 1/10W
R4324	1-208-798-11	METAL CHIP	4.7K 0.5% 1/10W
R4325	1-208-818-11	METAL CHIP	33K 0.5% 1/10W
R4326	1-208-826-11	METAL CHIP	68K 0.5% 1/10W
R4327	1-208-822-11	METAL CHIP	47K 0.5% 1/10W
R4329	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
R4330	1-216-089-91	RES-CHIP	47K 5% 1/10W
R4335	1-216-025-11	RES-CHIP	100 5% 1/10W
R4336	1-216-025-11	RES-CHIP	100 5% 1/10W
R4337	1-216-025-11	RES-CHIP	100 5% 1/10W
R4338	1-216-041-00	RES-CHIP	470 5% 1/10W
R4339	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R4341	1-216-295-91	SHORT	0
R4343	1-216-025-11	RES-CHIP	100 5% 1/10W
R4344	1-216-025-11	RES-CHIP	100 5% 1/10W
R4345	1-216-075-00	RES-CHIP	12K 5% 1/10W
R4346	1-208-812-11	METAL CHIP	18K 0.5% 1/10W
R4347	1-216-025-11	RES-CHIP	100 5% 1/10W
R4348	1-216-025-11	RES-CHIP	100 5% 1/10W
R4349	1-216-041-00	RES-CHIP	470 5% 1/10W
R4350	1-216-025-11	RES-CHIP	100 5% 1/10W
R4351	1-216-081-00	RES-CHIP	22K 5% 1/10W
R4352	1-216-041-00	RES-CHIP	470 5% 1/10W
R4353	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R4354	1-208-806-11	METAL CHIP	10K 0.5% 1/10W

REF NO.	PART NO.	DESCRIPTION	REMARK
R4357	1-216-073-91	RES-CHIP	10K 5% 1/10W
R4358	1-216-071-00	RES-CHIP	8.2K 5% 1/10W
R4359	1-216-043-91	RES-CHIP	560 5% 1/10W
R4360	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R4361	1-216-133-91	RES-CHIP	3.3M 5% 1/10W
R4363	1-216-025-11	RES-CHIP	100 5% 1/10W
R4365	1-216-025-11	RES-CHIP	100 5% 1/10W
R4366	1-216-025-11	RES-CHIP	100 5% 1/10W
R4367	1-216-025-11	RES-CHIP	100 5% 1/10W
R4369	1-216-025-11	RES-CHIP	100 5% 1/10W
R4370	1-216-049-11	RES-CHIP	1K 5% 1/10W
R4372	1-216-049-11	RES-CHIP	1K 5% 1/10W
R4373	1-216-295-91	SHORT	0
R4374	1-216-025-11	RES-CHIP	100 5% 1/10W
R4375	1-216-049-11	RES-CHIP	1K 5% 1/10W
R4376	1-216-025-11	RES-CHIP	100 5% 1/10W
R4377	1-216-049-11	RES-CHIP	1K 5% 1/10W
R4380	1-216-073-91	RES-CHIP	10K 5% 1/10W
R4381	1-208-851-11	METAL CHIP	750K 0.5% 1/10W
R4382	1-216-073-91	RES-CHIP	10K 5% 1/10W
R4383	1-208-825-11	METAL CHIP	62K 0.5% 1/10W
R4383	1-216-079-00	RES-CHIP	18K 5% 1/10W
R4384	1-216-025-11	RES-CHIP	100 5% 1/10W
R4385	1-216-295-91	SHORT	0 (KV-EX29K94)
R4385	1-208-854-11	METAL CHIP	1M 0.5% 1/10W
R4387	1-216-295-91	SHORT	0
R4388	1-216-295-91	SHORT	0
R4389	1-216-295-91	SHORT	0
R4390	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R4391	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R4392	1-216-089-91	RES-CHIP	47K 5% 1/10W
R4395	1-216-295-91	SHORT	0
R4396	1-216-295-91	SHORT	0
R4397	1-216-295-91	SHORT	0
R4399	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
R4401	1-216-105-91	RES-CHIP	220K 5% 1/10W
R4402	1-208-848-11	METAL CHIP	560K 0.5% 1/10W
R4403	1-216-049-11	RES-CHIP	1K 5% 1/10W
R4404	1-216-081-00	RES-CHIP	22K 5% 1/10W
R4406	1-216-097-11	RES-CHIP	100K 5% 1/10W
R4408	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R4409	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R4411	1-208-808-11	METAL CHIP	12K 0.5% 1/10W
R4412	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R4413	1-208-824-11	METAL CHIP	56K 0.5% 1/10W
R4413	1-208-828-11	METAL CHIP	82K 0.5% 1/10W
R4504	1-216-295-91	SHORT	0
R4505	1-216-295-91	SHORT	0
R4506	1-216-295-91	SHORT	0
R4518	1-216-025-11	RES-CHIP	100 5% 1/10W
R4519	1-216-073-91	RES-CHIP	10K 5% 1/10W
R8300	1-216-081-00	RES-CHIP	22K 5% 1/10W
R8301	1-216-041-00	RES-CHIP	470 5% 1/10W

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REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
R8302	1-216-041-00	RES-CHIP	470 5% 1/10W	R8380	1-216-025-11	RES-CHIP	100 5% 1/10W
R8303	1-216-021-00	RES-CHIP	68 5% 1/10W	R8381	1-216-025-11	RES-CHIP	100 5% 1/10W
R8304	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R8382	1-216-033-00	RES-CHIP	220 5% 1/10W
R8305	1-216-113-00	RES-CHIP	470K 5% 1/10W	R8383	1-216-033-00	RES-CHIP	220 5% 1/10W
R8306	1-216-022-00	RES-CHIP	75 5% 1/10W	R8395	1-216-033-00	RES-CHIP	220 5% 1/10W
R8307	1-216-022-00	RES-CHIP	75 5% 1/10W	R8396	1-216-033-00	RES-CHIP	220 5% 1/10W
R8308	1-216-105-91	RES-CHIP	220K 5% 1/10W	R8399	1-216-025-11	RES-CHIP	100 5% 1/10W
R8309	1-216-105-91	RES-CHIP	220K 5% 1/10W	R8400	1-216-025-11	RES-CHIP	100 5% 1/10W
R8310	1-216-022-00	RES-CHIP	75 5% 1/10W	R8411	1-216-083-00	RES-CHIP	27K 5% 1/10W
R8311	1-216-105-91	RES-CHIP	220K 5% 1/10W	R8414	1-208-796-11	METAL CHIP	3.9K 0.5% 1/10W
R8312	1-216-105-91	RES-CHIP	220K 5% 1/10W	R8415	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8313	1-216-022-00	RES-CHIP	75 5% 1/10W	R8417	1-216-025-11	RES-CHIP	100 5% 1/10W
R8314	1-216-105-91	RES-CHIP	220K 5% 1/10W	R8418	1-216-025-11	RES-CHIP	100 5% 1/10W
R8315	1-216-105-91	RES-CHIP	220K 5% 1/10W	R8419	1-216-017-91	RES-CHIP	47 5% 1/10W
R8316	1-216-113-00	RES-CHIP	470K 5% 1/10W	R8420	1-216-017-91	RES-CHIP	47 5% 1/10W
R8322	1-216-022-00	RES-CHIP	75 5% 1/10W	R8435	1-216-295-91	SHORT	0
R8323	1-216-295-91	SHORT	0	R8441	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8324	1-216-295-91	SHORT	0	R8442	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8325	1-216-295-91	SHORT	0	R8446	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8326	1-216-113-00	RES-CHIP	470K 5% 1/10W	R8447	1-216-025-11	RES-CHIP	100 5% 1/10W
R8327	1-216-295-91	SHORT	0	R8448	1-216-025-11	RES-CHIP	100 5% 1/10W
R8328	1-216-113-00	RES-CHIP	470K 5% 1/10W	R8449	1-216-025-11	RES-CHIP	100 5% 1/10W
R8329	1-216-113-00	RES-CHIP	470K 5% 1/10W	R8450	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8330	1-216-022-00	RES-CHIP	75 5% 1/10W	R8451	1-216-097-11	RES-CHIP	100K 5% 1/10W
R8334	1-216-295-91	SHORT	0	R8452	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8336	1-216-295-91	SHORT	0	R8453	1-216-097-11	RES-CHIP	100K 5% 1/10W
R8337	1-216-022-00	RES-CHIP	75 5% 1/10W	R8454	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8338	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R8455	1-216-097-11	RES-CHIP	100K 5% 1/10W
R8339	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R8464	1-216-025-11	RES-CHIP	100 5% 1/10W
R8340	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R8465	1-216-025-11	RES-CHIP	100 5% 1/10W
R8341	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R8466	1-216-025-11	RES-CHIP	100 5% 1/10W
R8342	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R8467	1-216-041-00	RES-CHIP	470 5% 1/10W
R8343	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R8468	1-216-041-00	RES-CHIP	470 5% 1/10W
R8344	1-216-022-00	RES-CHIP	75 5% 1/10W	R8469	1-216-041-00	RES-CHIP	470 5% 1/10W
R8345	1-216-033-00	RES-CHIP	220 5% 1/10W	R8470	1-216-069-00	RES-CHIP	6.8K 5% 1/10W
R8346	1-216-031-00	RES-CHIP	180 5% 1/10W	R8471	1-216-025-11	RES-CHIP	100 5% 1/10W
R8347	1-216-025-11	RES-CHIP	100 5% 1/10W	R8476	1-216-033-00	RES-CHIP	220 5% 1/10W
R8348	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R8477	1-216-033-00	RES-CHIP	220 5% 1/10W
R8349	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8478	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8350	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8479	1-216-097-11	RES-CHIP	100K 5% 1/10W
R8351	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R8480	1-216-073-91	RES-CHIP	10K 5% 1/10W
R8352	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R8481	1-216-095-00	RES-CHIP	82K 5% 1/10W
R8353	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R8482	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8354	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R8484	1-216-045-00	RES-CHIP	680 5% 1/10W
R8355	1-216-295-91	SHORT	0	R8485	1-216-037-00	RES-CHIP	330 5% 1/10W
R8356	1-216-295-91	SHORT	0	R8486	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8357	1-216-017-91	RES-CHIP	47 5% 1/10W	R8487	1-216-045-00	RES-CHIP	680 5% 1/10W
R8358	1-216-017-91	RES-CHIP	47 5% 1/10W	R8488	1-216-041-00	RES-CHIP	470 5% 1/10W
R8361	1-216-017-91	RES-CHIP	47 5% 1/10W	R8489	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8364	1-216-041-00	RES-CHIP	470 5% 1/10W	R8490	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8365	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R8491	1-216-025-11	RES-CHIP	100 5% 1/10W
R8366	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R8492	1-216-041-00	RES-CHIP	470 5% 1/10W
R8367	1-216-041-00	RES-CHIP	470 5% 1/10W	R8493	1-216-081-00	RES-CHIP	22K 5% 1/10W
R8370	1-216-025-11	RES-CHIP	100 5% 1/10W	R8494	1-216-041-00	RES-CHIP	470 5% 1/10W
R8372	1-216-295-91	SHORT	0	R8495	1-216-081-00	RES-CHIP	22K 5% 1/10W
R8373	1-216-295-91	SHORT	0	R8496	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8376	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8497	1-216-025-11	RES-CHIP	100 5% 1/10W
R8377	1-216-025-11	RES-CHIP	100 5% 1/10W	R8498	1-216-043-91	RES-CHIP	560 5% 1/10W
R8378	1-216-033-00	RES-CHIP	220 5% 1/10W	R8499	1-216-081-00	RES-CHIP	22K 5% 1/10W
R8379	1-216-033-00	RES-CHIP	220 5% 1/10W	R8500	1-216-033-00	RES-CHIP	220 5% 1/10W
				R8501	1-216-081-00	RES-CHIP	22K 5% 1/10W
				R8502	1-216-049-11	RES-CHIP	1K 5% 1/10W

A **B3**

REF NO.	PART NO.	DESCRIPTION	REMARK
R8507	1-216-025-11	RES-CHIP	100 5% 1/10W
R8508	1-216-025-11	RES-CHIP	100 5% 1/10W
R8509	1-216-025-11	RES-CHIP	100 5% 1/10W
R8513	1-216-039-00	RES-CHIP	390 5% 1/10W
R8514	1-216-039-00	RES-CHIP	390 5% 1/10W
R8515	1-216-295-91	SHORT	0
R8516	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8518	1-216-047-91	RES-CHIP	820 5% 1/10W
R8519	1-216-047-91	RES-CHIP	820 5% 1/10W
R8536	1-216-025-11	RES-CHIP	100 5% 1/10W
R8538	1-216-041-00	RES-CHIP	470 5% 1/10W
R8540	1-216-041-00	RES-CHIP	470 5% 1/10W
R8541	1-216-039-00	RES-CHIP	390 5% 1/10W
R8551	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8576	1-216-013-00	RES-CHIP	33 5% 1/10W
R8577	1-216-295-91	SHORT	0
R8578	1-216-033-00	RES-CHIP	220 5% 1/10W
R8579	1-216-295-91	SHORT	0
R8582	1-208-291-11	RES-CHIP	4.7M 5% 1/10W
R8583	1-208-291-11	RES-CHIP	4.7M 5% 1/10W
R8584	1-208-291-11	RES-CHIP	4.7M 5% 1/10W
R8593	1-216-025-11	RES-CHIP	100 5% 1/10W
<TUNER>			
TU101	8-598-475-10	TUNER, FSS BTF-WL411	
TU3301	8-598-430-30	TUNER, FSS BTF-FA401	
<CRYSTAL>			
X001	1-567-928-11	VIBLATOR, CERAMIC	
X4300	1-767-127-11	VIBRATOR, CERAMIC	
X8301	1-781-612-11	VIBRATOR, CRYSTAL	

* A-1136-132-A B3 BOARD COMPLETE			

<CAPACITOR>			
C501	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C502	1-124-779-00	ELECT CHIP	10UF 20.00% 16V
C503	1-124-779-00	ELECT CHIP	10UF 20.00% 16V
C505	1-124-779-00	ELECT CHIP	10UF 20.00% 16V
C507	1-124-779-00	ELECT CHIP	10UF 20.00% 16V
C511	1-163-038-91	CERAMIC CHIP	0.1UF 25V
C512	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C514	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C515	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C516	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C517	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C518	1-126-204-11	ELECT CHIP	47UF 20.00% 16V
C519	1-163-038-91	CERAMIC CHIP	0.1UF 25V
C520	1-163-038-91	CERAMIC CHIP	0.1UF 25V
C521	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C522	1-163-038-91	CERAMIC CHIP	0.1UF 25V
C523	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C524	1-124-779-00	ELECT CHIP	10UF 20.00% 16V
C525	1-126-394-11	ELECT CHIP	10UF 20.00% 16V
C526	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V

REF NO.	PART NO.	DESCRIPTION	REMARK
C527	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C528	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C539	1-126-204-11	ELECT CHIP	47UF 20.00% 16V
C540	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C543	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C545	1-126-396-11	ELECT CHIP	47UF 20.00% 16V
C546	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C548	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C549	1-126-204-11	ELECT CHIP	47UF 20.00% 16V
C550	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C551	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C554	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C555	1-163-038-91	CERAMIC CHIP	0.1UF 25V
C556	1-126-396-11	ELECT CHIP	47UF 20.00% 16V
C557	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C559	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C560	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C601	1-126-394-11	ELECT CHIP	10UF 20.00% 16V
C602	1-126-394-11	ELECT CHIP	10UF 20.00% 16V
C603	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C604	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C605	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C606	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C607	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C608	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C609	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C610	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C611	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C612	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C613	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C614	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C615	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C616	1-126-396-11	ELECT CHIP	47UF 20.00% 16V
C617	1-163-038-91	CERAMIC CHIP	0.1UF 25V
C618	1-163-038-91	CERAMIC CHIP	0.1UF 25V
C619	1-163-038-91	CERAMIC CHIP	0.1UF 25V
C620	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C621	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C622	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C623	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C624	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C625	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C626	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C627	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C628	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C629	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C630	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C631	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C632	1-126-206-11	ELECT CHIP	100UF 20.00% 6.3V
C633	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C634	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C635	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C636	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C637	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C638	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C639	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C640	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C642	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C643	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C644	1-126-398-11	ELECT CHIP	4.7UF 20.00% 35V
C645	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V

B3

REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
		<CONNECTOR>				<TRANSISTOR>	
CN502	1-793-497-11	CONNECTOR, BOARD TO BOARD 40P		Q501	8-729-216-22	2SA1162-G	
		<DIODE>		Q502	8-729-120-28	2SC1623-L5L6	
D501	8-719-056-77	UDZ-TE-17-3.9B		Q503	8-729-120-28	2SC1623-L5L6	
D601	8-719-404-50	MA111-TX		Q516	8-729-120-28	2SC1623-L5L6	
		<FERRITE BEAD>		Q517	8-729-120-28	2SC1623-L5L6	
FB501	1-414-813-11	FERRITE	0UH	Q518	8-729-216-22	2SA1162-G	
FB502	1-414-813-11	FERRITE	0UH	Q521	8-729-120-28	2SC1623-L5L6	
FB503	1-414-813-11	FERRITE	0UH	Q522	8-729-120-28	2SC1623-L5L6	
FB504	1-414-813-11	FERRITE	0UH	Q523	8-729-120-28	2SC1623-L5L6	
FB601	1-414-553-11	FERRITE	0UH	Q601	8-729-120-28	2SC1623-L5L6	
		<FILTER>		Q902	8-729-216-22	2SA1162-G	
FL501	1-233-877-11	FILTER, LOW PASS		Q903	8-729-216-22	2SA1162-G	
FL502	1-233-504-21	FILTER, LOW PASS		Q907	8-729-216-22	2SA1162-G	
FL503	1-233-504-21	FILTER, LOW PASS		Q908	8-729-216-22	2SA1162-G	
FL504	1-234-177-21	FILTER, CHIP EMI		Q909	8-729-216-22	2SA1162-G	
FL505	1-234-177-21	FILTER, CHIP EMI				<RESISTOR>	
FL506	1-234-177-21	FILTER, CHIP EMI		R501	1-216-025-11	RES-CHIP	100 5% 1/10W
FL510	1-234-177-21	FILTER, CHIP EMI		R502	1-216-025-11	RES-CHIP	100 5% 1/10W
FL511	1-234-177-21	FILTER, CHIP EMI		R503	1-216-295-91	SHORT	0
FL512	1-234-177-21	FILTER, CHIP EMI		R504	1-216-295-91	SHORT	0
FL601	1-234-177-21	FILTER, CHIP EMI		R505	1-216-295-91	SHORT	0
FL602	1-234-177-21	FILTER, CHIP EMI		R506	1-216-025-11	RES-CHIP	100 5% 1/10W
FL603	1-234-177-21	FILTER, CHIP EMI		R507	1-216-025-11	RES-CHIP	100 5% 1/10W
FL901	1-234-113-21	FILTER, LOW PASS		R513	1-216-043-91	RES-CHIP	560 5% 1/10W
FL902	1-234-112-21	FILTER, LOW PASS		R514	1-216-043-91	RES-CHIP	560 5% 1/10W
FL903	1-234-112-21	FILTER, LOW PASS		R515	1-216-043-91	RES-CHIP	560 5% 1/10W
		<IC>		R516	1-216-049-11	RES-CHIP	1K 5% 1/10W
IC501	8-759-447-90	TLC5733AIPM		R517	1-216-049-11	RES-CHIP	1K 5% 1/10W
IC504	8-759-669-78	TLC2933IPWR-12		R518	1-216-295-91	SHORT	0
IC505	8-759-547-54	TC7SET00FU/TE85		R520	1-208-776-11	METAL CHIP	560 0.5% 1/10W
IC506	8-759-547-54	TC7SET00FU/TE85		R521	1-216-295-91	SHORT	0
IC601	8-752-409-78	IC CXD2095AQ		R523	1-208-776-11	METAL CHIP	560 0.5% 1/10W
IC602	8-759-573-19	MSM56V16160D-10		R524	1-216-295-91	SHORT	0
IC603	8-759-669-75	TLC2932IPWR		R526	1-208-776-11	METAL CHIP	560 0.5% 1/10W
IC604	8-752-072-94	CXA1875AM-T4		R528	1-216-037-00	RES-CHIP	330 5% 1/10W
IC605	8-749-015-18	PQ07VZ012P		R529	1-208-800-11	METAL CHIP	5.6K 0.5% 1/10W
		<CHIP CONDUCTOR>		R530	1-208-800-11	METAL CHIP	5.6K 0.5% 1/10W
JR602	1-216-295-91	SHORT	0	R531	1-216-031-00	RES-CHIP	180 5% 1/10W
		<COIL>		R532	1-208-800-11	METAL CHIP	5.6K 0.5% 1/10W
L503	1-412-026-11	INDUCTOR	1UH	R533	1-216-031-00	RES-CHIP	180 5% 1/10W
L505	1-412-029-11	INDUCTOR	10UH	R537	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
L506	1-412-026-11	INDUCTOR	1UH	R548	1-208-750-11	METAL CHIP	47 0.5% 1/10W
L508	1-412-029-11	INDUCTOR	10UH	R549	1-208-750-11	METAL CHIP	47 0.5% 1/10W
L509	1-412-029-11	INDUCTOR	10UH	R550	1-208-756-11	METAL CHIP	82 0.5% 1/10W
L512	1-412-026-11	INDUCTOR	1UH	R551	1-208-756-11	METAL CHIP	82 0.5% 1/10W
L604	1-412-029-11	INDUCTOR	10UH	R552	1-208-750-11	METAL CHIP	47 0.5% 1/10W
L605	1-412-029-11	INDUCTOR	10UH	R553	1-216-295-91	SHORT	0
				R554	1-208-750-11	METAL CHIP	47 0.5% 1/10W
				R555	1-216-077-91	RES-CHIP	15K 5% 1/10W
				R557	1-216-049-11	RES-CHIP	1K 5% 1/10W
				R558	1-216-025-11	RES-CHIP	100 5% 1/10W
				R559	1-216-077-91	RES-CHIP	15K 5% 1/10W
				R560	1-208-750-11	METAL CHIP	47 0.5% 1/10W
				R561	1-216-043-91	RES-CHIP	560 5% 1/10W
				R562	1-216-043-91	RES-CHIP	560 5% 1/10W
				R563	1-216-043-91	RES-CHIP	560 5% 1/10W

B3

REF NO.	PART NO.	DESCRIPTION	REMARK
R571	1-216-295-91	SHORT	0
R572	1-208-750-11	METAL CHIP	47 0.5% 1/10W
R573	1-208-810-11	METAL CHIP	15K 0.5% 1/10W
R574	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
R575	1-208-756-11	METAL CHIP	82 0.5% 1/10W
R576	1-208-756-11	METAL CHIP	82 0.5% 1/10W
R577	1-208-750-11	METAL CHIP	47 0.5% 1/10W
R578	1-208-750-11	METAL CHIP	47 0.5% 1/10W
R579	1-216-077-91	RES-CHIP	15K 5% 1/10W
R580	1-216-295-91	SHORT	0
R598	1-216-025-11	RES-CHIP	100 5% 1/10W
R600	1-216-066-00	RES-CHIP	5.1K 5% 1/10W
R601	1-216-073-91	RES-CHIP	10K 5% 1/10W
R602	1-216-073-91	RES-CHIP	10K 5% 1/10W
R603	1-216-073-91	RES-CHIP	10K 5% 1/10W
R604	1-216-033-00	RES-CHIP	220 5% 1/10W
R605	1-216-295-91	SHORT	0
R608	1-216-295-91	SHORT	0
R609	1-216-073-91	RES-CHIP	10K 5% 1/10W
R610	1-216-033-00	RES-CHIP	220 5% 1/10W
R611	1-216-073-91	RES-CHIP	10K 5% 1/10W
R612	1-216-073-91	RES-CHIP	10K 5% 1/10W
R613	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R614	1-216-295-91	SHORT	0
R615	1-216-089-91	RES-CHIP	47K 5% 1/10W
R616	1-216-073-91	RES-CHIP	10K 5% 1/10W
R617	1-216-295-91	SHORT	0
R619	1-216-073-91	RES-CHIP	10K 5% 1/10W
R621	1-216-295-91	SHORT	0
R622	1-216-295-91	SHORT	0
R623	1-216-295-91	SHORT	0
R624	1-216-295-91	SHORT	0
R626	1-216-073-91	RES-CHIP	10K 5% 1/10W
R628	1-216-295-91	SHORT	0
R629	1-216-073-91	RES-CHIP	10K 5% 1/10W
R631	1-216-295-91	SHORT	0
R634	1-216-295-91	SHORT	0
R635	1-216-295-91	SHORT	0
R638	1-216-295-91	SHORT	0
R639	1-216-017-91	RES-CHIP	47 5% 1/10W
R640	1-216-009-91	RES-CHIP	22 5% 1/10W
R642	1-216-295-91	SHORT	0
R643	1-216-295-91	SHORT	0
R645	1-216-295-91	SHORT	0
R647	1-216-295-91	SHORT	0
R648	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
R650	1-211-960-11	METAL CHIP	22 0.5% 1/10W
R651	1-216-295-91	SHORT	0
R653	1-216-025-11	RES-CHIP	100 5% 1/10W
R654	1-216-033-00	RES-CHIP	220 5% 1/10W
R655	1-216-295-91	SHORT	0
R657	1-216-009-91	RES-CHIP	22 5% 1/10W
R658	1-216-049-11	RES-CHIP	1K 5% 1/10W
R659	1-216-025-11	RES-CHIP	100 5% 1/10W
R660	1-208-774-11	METAL CHIP	470 0.5% 1/10W
R664	1-216-295-91	SHORT	0
R665	1-216-035-00	RES-CHIP	270 5% 1/10W
R666	1-216-646-11	METAL CHIP	620 0.5% 1/10W
R667	1-208-794-11	METAL CHIP	3.3K 0.5% 1/10W
R668	1-216-017-91	RES-CHIP	47 5% 1/10W

REF NO.	PART NO.	DESCRIPTION	REMARK
R670	1-216-295-91	SHORT	0
R671	1-216-073-91	RES-CHIP	10K 5% 1/10W
R672	1-216-073-91	RES-CHIP	10K 5% 1/10W
R673	1-216-073-91	RES-CHIP	10K 5% 1/10W
R674	1-216-073-91	RES-CHIP	10K 5% 1/10W
R675	1-216-073-91	RES-CHIP	10K 5% 1/10W
R676	1-216-073-91	RES-CHIP	10K 5% 1/10W
R677	1-216-073-91	RES-CHIP	10K 5% 1/10W
R678	1-216-073-91	RES-CHIP	10K 5% 1/10W
R679	1-216-073-91	RES-CHIP	10K 5% 1/10W
R680	1-216-073-91	RES-CHIP	10K 5% 1/10W
R681	1-216-073-91	RES-CHIP	10K 5% 1/10W
R682	1-216-073-91	RES-CHIP	10K 5% 1/10W
R683	1-216-073-91	RES-CHIP	10K 5% 1/10W
R684	1-216-073-91	RES-CHIP	10K 5% 1/10W
R685	1-216-073-91	RES-CHIP	10K 5% 1/10W
R686	1-216-073-91	RES-CHIP	10K 5% 1/10W
R687	1-216-295-91	SHORT	0
R688	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R689	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R690	1-216-295-91	SHORT	0
R691	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R692	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R693	1-216-009-91	RES-CHIP	22 5% 1/10W
R694	1-216-295-91	SHORT	0
R695	1-216-047-91	RES-CHIP	820 5% 1/10W
R696	1-216-049-11	RES-CHIP	1K 5% 1/10W
R697	1-216-117-00	RES-CHIP	680K 5% 1/10W
R698	1-216-117-00	RES-CHIP	680K 5% 1/10W
R699	1-216-295-91	SHORT	0
R907	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
R908	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
R909	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
R910	1-216-049-11	RES-CHIP	1K 5% 1/10W
R911	1-216-049-11	RES-CHIP	1K 5% 1/10W
R912	1-216-049-11	RES-CHIP	1K 5% 1/10W
R942	1-216-037-00	RES-CHIP	330 5% 1/10W
R943	1-216-033-00	RES-CHIP	220 5% 1/10W
R957	1-216-635-11	METAL CHIP	220 0.5% 1/10W
R958	1-216-635-11	METAL CHIP	220 0.5% 1/10W
R959	1-216-635-11	METAL CHIP	220 0.5% 1/10W
R960	1-216-635-11	METAL CHIP	220 0.5% 1/10W
R961	1-216-635-11	METAL CHIP	220 0.5% 1/10W
R962	1-216-635-11	METAL CHIP	220 0.5% 1/10W
R981	1-216-037-00	RES-CHIP	330 5% 1/10W
R982	1-216-037-00	RES-CHIP	330 5% 1/10W
R983	1-216-089-91	RES-CHIP	47K 5% 1/10W
R984	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R985	1-216-113-00	RES-CHIP	470K 5% 1/10W
R986	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R987	1-216-049-11	RES-CHIP	1K 5% 1/10W
R988	1-216-033-00	RES-CHIP	220 5% 1/10W
R989	1-216-081-00	RES-CHIP	22K 5% 1/10W
R990	1-216-113-00	RES-CHIP	470K 5% 1/10W
R991	1-216-295-91	SHORT	0
R993	1-216-089-91	RES-CHIP	47K 5% 1/10W
RB019	1-239-409-11	NETWORK RESISTOR (CHIP)	47
RB020	1-239-409-11	NETWORK RESISTOR (CHIP)	47
RB021	1-239-409-11	NETWORK RESISTOR (CHIP)	47
RB022	1-239-409-11	NETWORK RESISTOR (CHIP)	47
RB023	1-239-409-11	NETWORK RESISTOR (CHIP)	47

B3	BC	BC4
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REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
RB024	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2038	1-165-319-11	CERAMIC CHIP 0.1UF	50V
RB025	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2039	1-165-319-11	CERAMIC CHIP 0.1UF	50V
RB026	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2040	1-165-319-11	CERAMIC CHIP 0.1UF	50V
RB027	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2041	1-126-924-11	ELECT 330UF	20.00% 6.3V
				C2042	1-165-319-11	CERAMIC CHIP 0.1UF	50V

	* A-1136-245-A	BC BOARD COMPLETE					

		<CAPACITOR>					
C8129	1-163-249-11	CERAMIC CHIP 82PF	5.00%	50V			
		<TRANSISTOR>					
Q8105	8-729-216-22	2SA1162-G					
Q8105	8-729-216-22	2SA1162-G					
Q8107	8-729-230-49	2SC2712-YG					
		<RESISTOR>					
R8163	1-208-774-11	METAL CHIP 470	0.5%	1/10W			
R8169	1-216-041-00	RES-CHIP 470	5%	1/10W			
R8174	1-216-039-00	RES-CHIP 390	5%	1/10W			
R8175	1-216-041-00	RES-CHIP 470	5%	1/10W			
R8187	1-216-295-91	SHORT 0					
R8188	1-216-041-00	RES-CHIP 470	5%	1/10W			
R8189	1-216-041-00	RES-CHIP 470	5%	1/10W			
R8190	1-216-041-00	RES-CHIP 470	5%	1/10W			

	* A-1136-246-A	BC4 BOARD COMPLETE					

		<CAPACITOR>					
C2003	1-163-031-91	CERAMIC CHIP 0.01UF		50V			
C2005	1-163-131-00	CERAMIC CHIP 390PF	5.00%	50V			
C2006	1-163-038-91	CERAMIC CHIP 0.1UF		25V			
C2010	1-163-102-00	CERAMIC CHIP 24PF	5.00%	50V			
C2011	1-163-102-00	CERAMIC CHIP 24PF	5.00%	50V			
C2015	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2016	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2017	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2018	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2021	1-163-038-91	CERAMIC CHIP 0.1UF		25V			
C2024	1-216-295-91	SHORT 0					
C2029	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2030	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2031	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2032	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2033	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2034	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2035	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2036	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2037	1-126-947-11	ELECT 47UF	20.00%	16V			
C2044	1-126-947-11	ELECT 47UF	20.00%	16V			
C2045	1-163-106-00	CERAMIC CHIP 36PF	5.00%	50V			
C2046	1-126-964-11	ELECT 10UF	20.00%	50V			
C2047	1-164-505-11	CERAMIC CHIP 2.2UF		16V			
C2048	1-126-964-11	ELECT 10UF	20.00%	50V			
C2049	1-126-960-11	ELECT 1UF	20.00%	50V			
C2050	1-163-231-11	CERAMIC CHIP 15PF	5.00%	50V			
C2051	1-126-964-11	ELECT 10UF	20.00%	50V			
C2052	1-163-133-00	CERAMIC CHIP 470PF	5.00%	50V			
C2053	1-126-960-11	ELECT 1UF	20.00%	50V			
C2054	1-126-947-11	ELECT 47UF	20.00%	16V			
C2055	1-126-947-11	ELECT 47UF	20.00%	16V			
C2056	1-163-231-11	CERAMIC CHIP 15PF	5.00%	50V			
C2057	1-163-031-91	CERAMIC CHIP 0.01UF		50V			
C2058	1-163-031-91	CERAMIC CHIP 0.01UF		50V			
C2059	1-126-947-11	ELECT 47UF	20.00%	16V			
C2060	1-163-031-91	CERAMIC CHIP 0.01UF		50V			
C2061	1-163-031-91	CERAMIC CHIP 0.01UF		50V			
C2062	1-126-947-11	ELECT 47UF	20.00%	16V			
C2063	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2064	1-163-031-91	CERAMIC CHIP 0.01UF		50V			
C2065	1-163-031-91	CERAMIC CHIP 0.01UF		50V			
C2066	1-126-947-11	ELECT 47UF	20.00%	16V			
C2067	1-126-947-11	ELECT 47UF	20.00%	16V			
C2068	1-126-947-11	ELECT 47UF	20.00%	16V			
C2069	1-163-031-91	CERAMIC CHIP 0.01UF		50V			
C2070	1-126-947-11	ELECT 47UF	20.00%	16V			
C2071	1-165-319-11	CERAMIC CHIP 0.1UF		50V			
C2072	1-163-237-11	CERAMIC CHIP 27PF	5.00%	50V			
C2074	1-163-038-91	CERAMIC CHIP 0.1UF		25V			
C2075	1-163-038-91	CERAMIC CHIP 0.1UF		25V			
C2078	1-126-947-11	ELECT 47UF	20.00%	16V			
C2079	1-163-031-91	CERAMIC CHIP 0.01UF		50V			
C2080	1-163-031-91	CERAMIC CHIP 0.01UF		50V			
C2095	1-163-231-11	CERAMIC CHIP 15PF	5.00%	50V			
C2096	1-163-231-11	CERAMIC CHIP 15PF	5.00%	50V			
C2097	1-163-231-11	CERAMIC CHIP 15PF	5.00%	50V			
		<CONNECTOR>					
CN2001	* 1-793-685-11	PIN, CONNECTOR (PC BOARD) 15P					
		<FERRITE BEAD>					
FB2002	1-414-234-22	FERRITE 0UH					
FB2008	1-414-234-22	FERRITE 0UH					
FB2009	1-414-234-22	FERRITE 0UH					
FB2010	1-414-234-22	FERRITE 0UH					
FB2011	1-414-234-22	FERRITE 0UH					
FB2012	1-414-234-22	FERRITE 0UH					
FB2014	1-414-234-22	FERRITE 0UH					
FB2015	1-414-234-22	FERRITE 0UH					
FB2016	1-414-234-22	FERRITE 0UH					
FB2017	1-414-234-22	FERRITE 0UH					

BC4

REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
		<FILTER>		R2035	1-216-043-91	RES-CHIP	560 5% 1/10W
				R2036	1-208-780-11	METAL CHIP	820 0.5% 1/10W
FL2001	1-239-848-11	FILTER, LOW PASS		R2037	1-216-044-00	RES-CHIP	620 5% 1/10W
FL2002	1-239-848-11	FILTER, LOW PASS		R2039	1-216-047-91	RES-CHIP	820 5% 1/10W
FL2003	1-239-848-11	FILTER, LOW PASS		R2040	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
FL2004	1-239-848-11	FILTER, LOW PASS		R2041	1-216-047-91	RES-CHIP	820 5% 1/10W
FL2005	1-233-736-21	FILTER, EMI		R2042	1-216-075-00	RES-CHIP	12K 5% 1/10W
FL2006	1-233-736-21	FILTER, EMI					
FL2007	1-233-736-21	FILTER, EMI		R2043	1-216-085-91	RES-CHIP	33K 5% 1/10W
		<IC>		R2044	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
IC2003	8-759-568-27	MSM514265C-60JS		R2046	1-216-075-00	RES-CHIP	12K 5% 1/10W
IC2004	8-759-594-44	UPD64082GF-3BA		R2047	1-216-085-91	RES-CHIP	33K 5% 1/10W
IC2005	8-759-431-14	PQ3TZ53U		R2048	1-216-049-11	RES-CHIP	1K 5% 1/10W
		<COIL>					
L2001	1-410-200-31	INDUCTOR	4.7UH	R2049	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
L2004	1-412-058-11	INDUCTOR	10UH	R2050	1-216-017-91	RES-CHIP	47 5% 1/10W
L2005	1-412-058-11	INDUCTOR	10UH	R2051	1-216-049-11	RES-CHIP	1K 5% 1/10W
L2006	1-412-058-11	INDUCTOR	10UH	R2052	1-216-049-11	RES-CHIP	1K 5% 1/10W
L2007	1-412-058-11	INDUCTOR	10UH	R2053	1-216-041-00	RES-CHIP	470 5% 1/10W
L2008	1-412-058-11	INDUCTOR	10UH				
		<TRANSISTOR>		R2054	1-216-041-00	RES-CHIP	470 5% 1/10W
Q2002	8-729-216-22	2SA1162-G		R2055	1-216-017-91	RES-CHIP	47 5% 1/10W
Q2003	8-729-216-22	2SA1162-G		R2056	1-216-067-00	RES-CHIP	5.6K 5% 1/10W
Q2004	8-729-216-22	2SA1162-G		R2057	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q2005	8-729-422-33	2SD601A-Q-TX		R2058	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
Q2006	8-729-422-33	2SD601A-Q-TX					
Q2007	8-729-422-33	2SD601A-Q-TX		R2059	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q2008	8-729-422-33	2SD601A-Q-TX		R2060	1-216-025-11	RES-CHIP	100 5% 1/10W
Q2009	8-729-422-33	2SD601A-Q-TX		R2061	1-216-043-91	RES-CHIP	560 5% 1/10W
Q2010	8-729-422-33	2SD601A-Q-TX		R2062	1-216-105-91	RES-CHIP	220K 5% 1/10W
Q2011	8-729-422-33	2SD601A-Q-TX		R2063	1-216-089-91	RES-CHIP	47K 5% 1/10W
Q2012	8-729-216-22	2SA1162-G					
Q2013	8-729-216-22	2SA1162-G		R2064	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q2014	8-729-422-33	2SD601A-Q-TX		R2066	1-216-033-00	RES-CHIP	220 5% 1/10W
Q2015	8-729-422-33	2SD601A-Q-TX		R2067	1-216-043-91	RES-CHIP	560 5% 1/10W
Q2016	8-729-422-33	2SD601A-Q-TX		R2069	1-208-776-11	METAL CHIP	560 0.5% 1/10W
Q2018	8-729-216-22	2SA1162-G		R2070	1-208-772-11	METAL CHIP	390 0.5% 1/10W
Q2019	8-729-422-33	2SD601A-Q-TX					
		<RESISTOR>		R2071	1-216-067-00	RES-CHIP	5.6K 5% 1/10W
R2001	1-216-097-11	RES-CHIP	100K 5% 1/10W	R2072	1-216-043-91	RES-CHIP	560 5% 1/10W
R2011	1-216-041-00	RES-CHIP	470 5% 1/10W	R2073	1-216-049-11	RES-CHIP	1K 5% 1/10W
R2015	1-216-041-00	RES-CHIP	470 5% 1/10W	R2074	1-216-025-11	RES-CHIP	100 5% 1/10W
R2019	1-216-295-91	SHORT	0	R2075	1-216-295-91	SHORT	0
R2021	1-216-025-11	RES-CHIP	100 5% 1/10W				
R2027	1-216-049-11	RES-CHIP	1K 5% 1/10W	R2076	1-216-025-11	RES-CHIP	100 5% 1/10W
R2028	1-216-049-11	RES-CHIP	1K 5% 1/10W	R2077	1-216-025-11	RES-CHIP	100 5% 1/10W
R2029	1-216-043-91	RES-CHIP	560 5% 1/10W	R2078	1-216-295-91	SHORT	0
R2030	1-216-043-91	RES-CHIP	560 5% 1/10W	R2092	1-216-055-00	RES-CHIP	1.8K 5% 1/10W
R2031	1-216-067-00	RES-CHIP	5.6K 5% 1/10W	R2093	1-216-055-00	RES-CHIP	1.8K 5% 1/10W
R2032	1-216-067-00	RES-CHIP	5.6K 5% 1/10W				
R2033	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R2104	1-216-295-91	SHORT	0
R2034	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R2105	1-216-295-91	SHORT	0
				R2106	1-216-295-91	SHORT	0
				R2107	1-216-295-91	SHORT	0
				R2108	1-216-049-11	RES-CHIP	1K 5% 1/10W
				R2110	1-216-295-91	SHORT	0
				R2112	1-216-295-91	SHORT	0
				R2113	1-216-017-91	RES-CHIP	47 5% 1/10W
				R2115	1-216-049-11	RES-CHIP	1K 5% 1/10W
				R2116	1-216-295-91	SHORT	0
				R2117	1-216-295-91	SHORT	0
				R2118	1-216-296-11	SHORT	0
				R2119	1-216-296-11	SHORT	0
				R2200	1-216-296-11	SHORT	0
						<VARIABLE RESISTOR>	
				RV2001	1-223-271-21	RES, ADJ, CERMET 220	

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.



REF NO.	PART NO.	DESCRIPTION	REMARK
		<CRYSTAL>	
X2001	1-767-606-11	VIBRATOR, CRYSTAL	

	* A-1332-223-A	C BOARD MOUNTED (KV-EX29K94)	
	* A-1332-236-A	C BOARD MOUNTED (KV-EX34K94)	*****
	4-382-854-01	SCREW (M3X8), P, SW (+)	
		<CAPACITOR>	
C9002	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C9003	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C9004	1-104-574-11	CERAMIC 0.0047UF	10.00% 2KV
C9005	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C9006	1-163-091-00	CERAMIC CHIP 8PF	0.25PF 50V
C9007	1-163-091-00	CERAMIC CHIP 8PF	0.25PF 50V
C9008	1-163-091-00	CERAMIC CHIP 8PF	0.25PF 50V
C9009	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C9010	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C9011	1-136-207-11	MYLAR 0.047UF	10.00% 250V
C9012	1-136-207-11	MYLAR 0.047UF	10.00% 250V
C9014	1-136-207-11	MYLAR 0.047UF	10.00% 250V
C9015	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C9016	1-102-106-00	CERAMIC 100PF	10.00% 50V (KV-EX29K94)
C9016	1-102-110-00	CERAMIC 220PF	10.00% 50V (KV-EX34K94)
C9018	1-107-961-91	ELECT 10UF	20.00% 250V
C9019	1-163-035-00	CERAMIC CHIP 0.047UF	50V
C9020	1-107-961-91	ELECT 10UF	20.00% 250V
C9021	1-107-961-91	ELECT 10UF	20.00% 250V
C9022	1-101-004-00	CERAMIC 0.01UF	50V
C9023	1-101-004-00	CERAMIC 0.01UF	50V
C9024	1-163-035-00	CERAMIC CHIP 0.047UF	50V
C9025	1-104-653-11	ELECT 220UF	20.00% 16V
C9026	1-163-035-00	CERAMIC CHIP 0.047UF	50V
C9027	1-101-004-00	CERAMIC 0.01UF	50V
C9028	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C9029	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C9030	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C9031	1-104-574-11	CERAMIC 0.0047UF	10.00% 2KV
C9032	1-162-116-00	CERAMIC 680PF	10.00% 2KV
C9033	1-107-662-11	ELECT 22UF	20.00% 250V
C9035	1-104-574-11	CERAMIC 0.0047UF	10.00% 2KV
C9042	1-126-940-11	ELECT 330UF	20.00% 25V
C9047	1-107-651-11	ELECT 4.7UF	20.00% 250V
		<CONNECTOR>	
CN9001	* 1-564-512-11	PLUG, CONNECTOR 9P	
CN9002	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
CN9003	1-695-915-11	TAB (CONTACT)	
CN9004	1-695-915-11	TAB (CONTACT)	
CN9007	1-785-879-11	CONNECTOR, ONE TOUCH	

REF NO.	PART NO.	DESCRIPTION	REMARK
		<DIODE>	
D9002	8-719-400-75	MA3091	
D9005	8-719-404-50	MA111-TX	
D9006	8-719-051-85	HSS83TD	
D9007	8-719-051-85	HSS83TD	
D9008	8-719-051-85	HSS83TD	
D9009	8-719-908-03	GP08D	
D9010	8-719-110-17	RD10ESB2	
D9011	1-216-295-91	SHORT	0
D9012	1-216-295-91	SHORT	0
D9013	1-216-295-91	SHORT	0 (KV-EX29K94)
D9013	8-719-404-50	MA111-TX (KV-EX34K94)	
		<IC>	
IC9001	8-759-360-83	TDA6111Q/N4	
IC9002	8-759-360-83	TDA6111Q/N4	
IC9003	8-759-360-83	TDA6111Q/N4	
		<JACK>	
J9001	Δ 1-540-071-22	SOCKET, CRT	
		<COIL>	
L9001	1-414-158-11	INDUCTOR	2.2UH
L9002	1-414-855-31	INDUCTOR	1UH
L9003	1-414-855-31	INDUCTOR	1UH
L9004	1-414-855-31	INDUCTOR	1UH
L9005	1-406-666-21	INDUCTOR	150UH
L9006	1-412-526-11	INDUCTOR	12UH
		<NEON LAMP>	
NL9001	1-519-526-11	LAMP, NEON	
NL9003	1-519-526-11	LAMP, NEON	
		<TRANSISTOR>	
Q9001	8-729-026-49	2SA1037AK-T146-R	
Q9009	8-729-026-49	2SA1037AK-T146-R	
Q9010	8-729-026-49	2SA1037AK-T146-R	
Q9011	8-729-026-49	2SA1037AK-T146-R	
		<RESISTOR>	
R9001	1-216-059-00	RES-CHIP	2.7K 5% 1/10W
R9004	1-216-117-00	RES-CHIP	680K 5% 1/10W (KV-EX34K94 ONLY)
R9006	1-216-073-91	RES-CHIP	10K 5% 1/10W
R9007	1-208-789-11	METAL CHIP	2K 0.5% 1/10W
R9008	1-216-085-91	RES-CHIP	33K 5% 1/10W
R9012	1-216-049-11	RES-CHIP	1K 5% 1/10W
R9013	1-216-049-11	RES-CHIP	1K 5% 1/10W
R9018	1-216-059-00	RES-CHIP	2.7K 5% 1/10W
R9019	1-216-059-00	RES-CHIP	2.7K 5% 1/10W
R9021	1-216-295-91	SHORT	0
R9023	1-216-295-91	SHORT	0
R9026	1-208-789-11	METAL CHIP	2K 0.5% 1/10W
R9031	1-208-789-11	METAL CHIP	2K 0.5% 1/10W
R9033	1-208-808-11	METAL CHIP	12K 0.5% 1/10W
R9034	1-208-800-11	METAL CHIP	5.6K 0.5% 1/10W

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

C **D**

REF NO.	PART NO.	DESCRIPTION	REMARK
R9035	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
R9036	1-216-049-11	RES-CHIP	1K 5% 1/10W
R9037	1-240-233-71	METAL OXIDE	100 5% 3W
R9038	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
R9039	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
R9041	1-216-049-11	RES-CHIP	1K 5% 1/10W
R9042	1-216-049-11	RES-CHIP	1K 5% 1/10W
R9043	1-240-233-71	METAL OXIDE	100 5% 3W
R9044	1-240-233-71	METAL OXIDE	100 5% 3W
R9047	1-219-744-11	CARBON	220 5% 1/2W
R9048	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9049	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9050	1-249-424-11	CARBON	3.9K 5% 1/4W
R9051	1-219-744-11	CARBON	220 5% 1/2W
R9052	1-219-744-11	CARBON	220 5% 1/2W
R9053	1-249-424-11	CARBON	3.9K 5% 1/4W
R9054	1-249-424-11	CARBON	3.9K 5% 1/4W
R9055	1-243-994-91	CEMENTED	820K 5% 0.5W
R9056	1-219-750-91	CARBON	22K 5% 1/2W
R9057	1-220-827-91	RESISTOR	560K 5% 1/2W
R9058	1-243-994-91	CEMENTED	820K 5% 0.5W
R9059	1-219-746-11	CARBON	1K 5% 1/2W
R9061	1-219-743-11	CARBON	100 5% 1/2W
R9065	1-216-069-00	RES-CHIP	6.8K 5% 1/10W
R9068	1-216-101-00	RES-CHIP	150K 5% 1/10W
R9069	1-219-743-11	CARBON	100 5% 1/2W
R9070	1-216-037-00	RES-CHIP	330 5% 1/10W
R9071	1-216-037-00	RES-CHIP	330 5% 1/10W
R9072	1-216-037-00	RES-CHIP	330 5% 1/10W
R9073	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
<VARIABLE RESISTOR>			
RV9001	1-241-656-11	RES, ADJ, METAL FILM 110M	
RV9002	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M	

A-1346-975-A	D BOARD COMPLETE (KV-EX29K94)		
A-1348-019-A	D BOARD COMPLETE (KV-EX34K94)		

* 4-363-146-00	HEAT SINK, V.OUT		
* 4-374-846-01	COVER, CAPACITOR, CAP TYPE		
4-382-854-11	SCREW (M3X10), P, SW (+)		
4-382-854-21	SCREW (M3X14), P, SW (+)		
<CAPACITOR>			
C6100	1-161-830-00	CERAMIC	0.0047UF 99% 500V
C6101	1-107-680-91	ELECT	22UF 20.00% 450V
C6102	1-161-830-00	CERAMIC	0.0047UF 99% 500V
C6103	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C6104	1-163-009-91	CERAMIC CHIP	0.001UF 10.00% 50V
C6105	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C6106	1-163-005-91	CERAMIC CHIP	470PF 10.00% 50V
C6107	1-137-605-11	MYLAR	0.01UF 10.00% 250V
C6108	1-161-830-00	CERAMIC	0.0047UF 99% 500V
C6109	1-126-971-11	ELECT	470UF 20.00% 50V
C6110	1-163-009-91	CERAMIC CHIP	0.001UF 10.00% 50V
C6111	1-161-830-00	CERAMIC	0.0047UF 99% 500V
C6113	1-126-965-91	ELECT	22UF 20.00% 50V

REF NO.	PART NO.	DESCRIPTION	REMARK
C6334	1-126-940-11	ELECT	330UF 20.00% 25V
C6600	1-128-550-11	ELECT	2200UF 20.00% 50V
C6601	1-126-967-11	ELECT	47UF 20.00% 50V
C6602	1-129-720-00	FILM	0.033UF 5.00% 630V
C6603	1-126-949-11	ELECT	220UF 20.00% 35V
C6604	1-126-967-11	ELECT	47UF 20.00% 50V
C6606	1-163-251-11	CERAMIC CHIP	100PF 5.00% 50V
C6607	Δ 1-119-886-51	CERAMIC	470PF 10.00% 250V
C6608	Δ 1-119-886-51	CERAMIC	470PF 10.00% 250V
C6609	1-126-960-11	ELECT	1UF 20.00% 50V
C6610	1-163-251-11	CERAMIC CHIP	100PF 5.00% 50V
C6611	1-163-275-11	CERAMIC CHIP	0.001UF 5.00% 50V
C6612	1-126-964-11	ELECT	10UF 20.00% 50V
C6613	1-161-830-00	CERAMIC	0.0047UF 99% 500V
C6614	1-161-830-00	CERAMIC	0.0047UF 500V
C6615	1-163-251-11	CERAMIC CHIP	100PF 5.00% 50V
C6616	1-126-961-11	ELECT	2.2UF 20.00% 50V
C6617	1-161-830-00	CERAMIC	0.0047UF 500V
C6618	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C6619	1-161-830-00	CERAMIC	0.0047UF 99% 500V
C6620	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C6621	1-131-940-11	ELECT	1200UF 20% 250V
C6622	1-131-940-11	ELECT	1200UF 20% 250V
C6624	1-126-962-11	ELECT	3.3UF 20.00% 50V
C6633	1-136-479-11	FILM	0.001UF 2.00% 50V
C6634	1-126-964-11	ELECT	10UF 20.00% 50V
C6635	1-126-963-11	ELECT	4.7UF 20.00% 50V
C6637	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C6645	1-163-009-91	CERAMIC CHIP	0.001UF 10.00% 50V
C6647	1-126-964-11	ELECT	10UF 20.00% 50V
C6648	1-125-969-91	CERAMIC	680PF 10.00% 1KV
C6649	1-125-969-91	CERAMIC	680PF 10.00% 1KV
C6650	1-125-969-91	CERAMIC	680PF 10.00% 1KV
C6651	1-125-969-91	CERAMIC	680PF 10.00% 1KV
C6652	1-110-626-11	ELECT	330UF 20.00% 160V
C6653	1-137-368-11	MYLAR	0.0047UF 5.00% 50V
C6654	1-126-936-11	ELECT	3300UF 20.00% 16V
C6655	1-126-936-11	ELECT	3300UF 20.00% 16V
C6656	1-136-165-00	FILM	0.1UF 5.00% 50V
C6658	1-104-330-91	CERAMIC	470PF 10.00% 1KV
C6660	1-126-960-11	ELECT	1UF 20.00% 50V
C6661	1-126-947-11	ELECT	47UF 20.00% 16V
C6662	1-126-947-11	ELECT	47UF 20.00% 16V
C6665	1-126-964-11	ELECT	10UF 20.00% 50V
C6666	1-137-150-11	MYLAR	0.01UF 5.00% 50V
C6668	1-126-947-11	ELECT	47UF 20.00% 25V
C6669	1-125-969-91	CERAMIC	680PF 10.00% 1KV
C6670	1-125-969-91	CERAMIC	680PF 10.00% 1KV
C6672	1-135-946-21	FILM	47000PF 3% 800V
C6673	1-136-189-00	MYLAR	0.1UF 10.00% 250V
C6674	1-128-527-11	ELECT	330UF 20.00% 25V
C6679	1-107-823-11	CERAMIC CHIP	0.47UF 10.00% 16V
C6800	1-126-964-11	ELECT	10UF 20.00% 50V
C6801	1-126-960-11	ELECT	1UF 20.00% 50V
C6802	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C6805	1-111-087-11	ELECT	330UF 20.00% 25V
C6806	1-107-933-11	ELECT	100UF 20.00% 100V
C6808	1-137-401-11	MYLAR	0.22UF 10.00% 100V
C6809	1-102-074-00	CERAMIC	0.001UF 10.00% 50V
C6810	1-106-220-00	MYLAR	0.1UF 10.00% 100V
C6811	1-111-087-11	ELECT	330UF 20.00% 25V

The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

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REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
C6813	1-163-009-91	CERAMIC CHIP	0.001UF 10.00% 50V	C6855	1-123-024-21	ELECT	33UF 160V
C6814	1-125-889-91	CERAMIC CHIP	2.2UF 10% 10V	C6856	1-126-971-11	ELECT	470UF 20.00% 50V
C6815	1-163-009-91	CERAMIC CHIP	0.001UF 10.00% 50V	C6857	1-102-228-00	CERAMIC	470PF 10.00% 500V
C6816	1-136-060-00	FILM	0.047UF 5.00% 400V	C6858	1-102-228-00	CERAMIC	470PF 10.00% 500V
C6816	1-137-577-11	FILM (KV-EX29K94) (KV-EX34K94)	0.068UF 5.00% 400V	C6859	1-162-129-00	CERAMIC	150PF 10.00% 2KV
C6817	1-126-967-11	ELECT	47UF 20.00% 50V	C6860	1-162-131-11	CERAMIC (KV-EX29K94)	220PF 10.00% 2KV
C6818	1-126-960-11	ELECT	1UF 20.00% 50V	C6860	1-162-129-00	CERAMIC (KV-EX34K94)	150PF 10.00% 2KV
C6819	1-126-960-11	ELECT	1UF 20.00% 50V	C6862	1-130-202-00	FILM	0.022UF 5.00% 200V
C6820	1-102-114-00	CERAMIC	470PF 10.00% 50V	C6863	1-107-906-11	ELECT	10UF 20.00% 50V
C6821	1-106-383-00	MYLAR	0.047UF 10.00% 200V	C6864	1-129-898-00	FILM	0.0022UF 5.00% 630V
C6822	1-102-114-00	CERAMIC	470PF 10.00% 50V	C6865	1-130-202-00	FILM	0.022UF 5.00% 400V
C6823	1-106-383-00	MYLAR	0.047UF 10.00% 200V	C6866	1-102-030-00	CERAMIC	330PF 10.00% 500V
C6826	1-102-030-00	CERAMIC	330PF 10.00% 500V	C6867	1-130-785-11	MYLAR	0.47UF 10.00% 100V
C6827	1-102-030-00	CERAMIC	330PF 10.00% 500V	C6868	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C6828	1-104-987-11	MYLAR (KV-EX29K94)	0.001UF 10.00% 200V	C6869	1-107-882-91	ELECT (KV-EX34K94 ONLY)	100UF 20.00% 16V
C6828	1-107-364-11	MYLAR (KV-EX34K94)	0.01UF 10.00% 200V	C6870	1-128-528-11	ELECT (KV-EX34K94 ONLY)	470UF 20.00% 25V
C6829	1-107-444-11	CERAMIC (KV-EX29K94)	100PF 10.00% 2KV	C6871	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C6829	1-162-115-00	CERAMIC (KV-EX34K94)	330PF 10.00% 2KV	C6872	1-163-275-11	CERAMIC CHIP	0.001UF 5.00% 50V
C6830	1-117-619-11	FILM (KV-EX34K94)	1000PF 3.00% 1.2KV	C6874	1-136-165-00	FILM	0.1UF 5.00% 50V
C6831	1-117-835-11	FILM (KV-EX29K94)	6200PF 3.00% 1.5KV	C6875	1-126-947-11	ELECT	47UF 20.00% 16V
C6831	1-117-838-11	FILM (KV-EX34K94)	8200PF 3.00% 1.5KV	C6876	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C6832	1-117-836-11	FILM (KV-EX29K94)	6800PF 3.00% 1.5KV	C6877	1-126-964-11	ELECT	10UF 20.00% 50V
C6832	1-117-842-11	FILM (KV-EX34K94)	12000PF 3.00% 1.5KV	C6878	1-126-320-11	ELECT	10UF 20.00% 16V
C6833	1-127-680-11	FILM MELF	4700PF 2% 100V	C6879	1-107-960-11	ELECT	4.7UF 20.00% 160V
C6834	1-125-893-11	FILM	680PF 3.00% 1.5KV	C6880	1-164-004-11	CERAMIC CHIP (KV-EX29K94)	0.1UF 10.00% 25V
C6835	1-125-893-11	FILM	680PF 3.00% 1.5KV	C6880	1-163-021-91	CERAMIC CHIP (KV-EX34K94)	0.01UF 10.00% 50V
C6836	1-127-681-11	FILM MELF	10000PF 2% 100V	C6882	1-104-574-11	CERAMIC	0.0047UF 10.00% 2KV
C6837	1-125-893-11	FILM	680PF 3.00% 1.5KV	C6883	1-126-965-91	ELECT	22UF 20.00% 50V
C6838	1-125-893-11	FILM	680PF 3.00% 1.5KV	C6884	1-125-889-91	CERAMIC CHIP	2.2UF 10% 10V
C6839	1-126-933-11	ELECT	100UF 20.00% 16V	C6885	1-162-131-11	CERAMIC (KV-EX29K94 ONLY)	220PF 10.00% 2KV
C6840	1-126-933-11	ELECT	100UF 20.00% 16V	C6886	1-102-114-00	CERAMIC (KV-EX34K94 ONLY)	470PF 10.00% 50V
C6841	1-115-511-11	FILM	0.12UF 5.00% 250V			<CONNECTOR>	
C6842	1-117-667-71	FILM (KV-EX29K94)	0.47UF 5.00% 250V	CN6602*	\triangle 1-508-786-13	PIN, CONNECTOR (5MM PITCH) 2P	
C6842	1-117-673-11	FILM (KV-EX34K94)	1.5UF 5.00% 250V	CN6603*	\triangle 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P	
C6843	1-115-339-11	CERAMIC CHIP	0.1UF 10.00% 50V	CN6604	1-580-843-11	PIN, CONNECTOR (POWER)	
C6844	1-115-339-11	CERAMIC CHIP	0.1UF 10.00% 50V	CN6605 *	1-764-333-11	PLUG, CONNECTOR 10P	
C6845	1-115-514-11	FILM (KV-EX29K94)	0.22UF 5.00% 250V	CN6606 *	1-764-333-11	PLUG, CONNECTOR 10P	
C6845	1-117-664-11	FILM (KV-EX34K94)	0.27UF 5.00% 250V	CN6609 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P	
C6846	1-109-945-11	FILM (KV-EX29K94)	0.18UF 5.00% 250V	CN6610 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P	
C6846	1-115-514-11	FILM (KV-EX34K94)	0.22UF 5.00% 250V	CN6611 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P	
C6847	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V	CN6612 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P	
C6848	1-113-979-51	FILM	0.047UF 5% 250V	CN6613 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P	
C6849	1-115-339-11	CERAMIC CHIP	0.1UF 10.00% 50V	CN6614 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P	
C6850	1-115-339-11	CERAMIC CHIP	0.1UF 10.00% 50V	CN6615 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P	
C6851	1-107-639-11	ELECT	47UF 20.00% 160V	CN6616 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P	
C6853	1-102-228-00	CERAMIC	470PF 10.00% 500V	CN6617	1-695-915-11	TAB (CONTACT)	
C6854	1-126-941-11	ELECT	470UF 20.00% 25V	CN6618 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P	
				CN6619	1-564-507-11	PLUG, CONNECTOR 4P	
				CN6800 *	1-764-333-11	PLUG, CONNECTOR 10P	
				CN6801*	\triangle 1-785-270-12	PIN, DY CONNECTOR (PC BOARD)	
				CN6802	1-783-967-11	CONNECTOR, BOARD TO BOARD 30P	
				CN6803 *	1-764-333-11	PLUG, CONNECTOR 10P	

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

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REF NO.	PART NO.	DESCRIPTION	REMARK
CN6804 Δ	1-691-765-11	PLUG (MICRO CONNECTOR) 3P (KV-EX29K94 ONLY)	
CN6805	1-695-915-11	TAB (CONTACT)	
CN6808	1-695-915-11	TAB (CONTACT)	
CN6809	1-695-915-11	TAB (CONTACT)	
CN6810	1-785-879-11	CONNECTOR, ONE TOUCH	
CN6811 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P	
CN6812 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P	
CN6819	1-783-967-11	CONNECTOR, BOARD TO BOARD 30P	
		<DIODE>	
D6100	8-719-077-76	D2SB60A-F04	
D6101	8-719-110-49	RD18ES-B2	
D6102	8-719-978-65	DTZ-TT11-15B	
D6103	8-719-404-50	MA111-TX	
D6104	8-719-510-48	D1N20R	
D6105	8-719-948-45	ERA22-08	
D6108	8-719-063-73	DIODE D1NL20U-TR	
D6323	8-719-032-12	D1NS6	
D6601	8-719-911-19	1SS119-25	
D6602	8-719-404-50	MA111-TX	
D6603	8-719-404-50	MA111-TX	
D6604	8-719-404-50	MA111-TX	
D6605	8-719-510-53	D4SB60L	
D6608	8-719-404-50	MA111-TX	
D6609	8-719-911-19	1SS119-25	
D6610	8-719-404-50	MA111-TX	
D6611	8-719-404-50	MA111-TX	
D6612	8-719-911-55	U05G	
D6613	8-719-911-55	U05G	
D6614	8-719-110-30	RD12ES-B1	
D6615	8-719-911-19	1SS119-25	
D6618	8-719-979-64	UF4005PKG23	
D6620	8-719-063-73	DIODE D1NL20U-TR	
D6623	8-719-911-19	1SS119-25	
D6631	8-719-050-18	D4SBL20U	
D6632	8-719-404-50	MA111-TX	
D6633	8-719-510-12	D10SC4M	
D6635	8-719-110-47	RD18ESB	
D6636	8-719-911-19	1SS119-25	
D6639	8-719-063-73	DIODE D1NL20U-TR	
D6640	8-719-110-72	RD30ESB2	
D6641	8-719-109-96	RD6.8ES-B1	
D6642	8-719-911-19	1SS119-25	
D6644	8-719-052-92	D10SBS4F	
D6648	8-719-110-30	RD12ES-B1	
D6654	8-719-052-92	D10SBS4F	
D6800	8-719-110-03	RD7.5ESB2	
D6801	8-719-911-19	1SS119-25	
D6803	8-719-510-73	S3L20UF4	
D6806	8-719-911-19	1SS119-25	
D6807	8-719-109-68	RD3.6ES-B1	
D6808	8-719-914-43	DAN202K	
D6809	8-719-908-03	GP08D	
D6812	8-719-110-39	RD15ES-B1	
D6813	8-719-302-43	EL1Z	
D6814	8-719-018-82	RGP02-20EL-6394	
D6816	8-719-510-73	S3L20UF4	
D6817	8-719-510-73	S3L20UF4	
D6820	8-719-970-87	ERA38-06	
D6821	8-719-970-87	ERA38-06	

REF NO.	PART NO.	DESCRIPTION	REMARK
D6822	8-719-067-18	RN4Z (KV-EX34K94 ONLY)	
D6823	8-719-911-19	1SS119-25	
D6824	8-719-510-73	S3L20UF4	
D6825	8-719-914-43	DAN202K	
D6826	8-719-911-19	1SS119-25	
D6830	8-719-914-43	DAN202K	
		<FERRITE BEAD>	
FB6602	1-239-358-21	FILTER, NOISE	
FB6603	1-239-358-21	FILTER, NOISE	
FB6604	1-410-396-41	FERRITE	0.45UH
FB6605	1-410-396-41	FERRITE	0.45UH
FB6606	1-410-397-21	FERRITE	1.1UH
		<IC>	
IC6600	8-759-670-30	MCZ3001D	
IC6601	8-759-198-31	UPC1093J-1-T	
IC6607	8-749-012-13	DM-58	
IC6608	8-759-133-90	UPC339C	
IC6800	8-759-192-71	STV9379	
IC6801	8-759-450-95	LM393N	
IC6804	8-759-394-36	BA09T	
IC6805	8-759-394-35	BA12T	
IC6806	8-749-013-76	PQ6RD83B (KV-EX34K94 ONLY)	
		<CHIP CONDUCTOR>	
JR6601	1-216-295-91	SHORT	0
JR6603	1-216-295-91	SHORT	0
JR6606	1-216-295-91	SHORT	0
JR6607	1-216-295-91	SHORT	0
JR6608	1-216-295-91	SHORT	0
JR6609	1-216-295-91	SHORT	0
JR6610	1-216-295-91	SHORT	0
JR6611	1-216-295-91	SHORT	0
JR6612	1-216-295-91	SHORT	0
JR6613	1-216-295-91	SHORT	0
JR6893	1-216-295-91	SHORT	0
		<COIL>	
L6600	1-410-396-41	FERRITE	0.45UH
L6604	1-412-525-31	INDUCTOR	10UH
L6605	1-412-525-31	INDUCTOR	10UH
L6606	1-412-525-31	INDUCTOR	10UH
L6607	1-412-519-11	INDUCTOR	3.3UH
L6608	1-412-525-31	INDUCTOR	10UH
L6609	1-410-396-41	FERRITE	0.45UH
L6800	1-412-525-31	INDUCTOR	10UH
L6801	1-406-675-11	INDUCTOR	4.7MH (KV-EX29K94)
L6801	1-406-986-21	INDUCTOR	3.3UH (KV-EX34K94)
L6802	1-416-775-21	INDUCTOR	1MH (KV-EX34K94 ONLY)
L6803	1-406-985-11	INDUCTOR	2.2MH (KV-EX29K94)
L6803	1-406-982-11	INDUCTOR	680UH (KV-EX34K94)
L6804	1-412-519-11	INDUCTOR	3.3UH
L6805	1-412-519-11	INDUCTOR	3.3UH
L6806	1-412-519-11	INDUCTOR	3.3UH
L6807	1-412-552-11	INDUCTOR	2.2MH
L6808	1-406-674-11	INDUCTOR	3.3MH

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Replace only with part number specified.

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REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
		<PHOTO COUPLER>		R6105	1-216-097-11	RES-CHIP	100K 5% 1/10W
				R6106	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
				R6107	1-216-089-91	RES-CHIP	47K 5% 1/10W
				R6108	1-215-493-00	METAL	1M 1% 1/4W
				R6110	1-249-413-11	CARBON	470 5% 1/4W
				R6500	1-220-797-11	CEMENTED	0.47 5% 10W
				R6600	1-216-295-91	SHORT	0
				R6602	1-249-417-11	CARBON	1K 5% 1/4W
				R6603	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
				R6604	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
				R6605	1-215-471-00	METAL	120K 1% 1/4W
				R6606	1-215-466-00	METAL	75K 1% 1/4W
				R6607	1-215-489-00	METAL	680K 1% 1/4W
				R6608	1-215-489-00	METAL	680K 1% 1/4W
				R6609	1-215-489-00	METAL	680K 1% 1/4W
				R6610	1-208-830-11	METAL CHIP	100K 0.5% 1/10W
				R6611	1-208-798-11	METAL CHIP	4.7K 0.5% 1/10W
				R6612	1-215-471-00	METAL	120K 1% 1/4W
				R6613	1-215-489-00	METAL	680K 1% 1/4W
				R6614	1-215-489-00	METAL	680K 1% 1/4W
				R6615	1-215-489-00	METAL	680K 1% 1/4W
				R6616	1-208-830-11	METAL CHIP	100K 0.5% 1/10W
				R6617	1-208-844-11	METAL CHIP	390K 0.5% 1/10W
				R6618	1-215-466-00	METAL	75K 1% 1/4W
				R6619	1-216-113-00	RES-CHIP	470K 5% 1/10W
				R6620	1-208-846-11	METAL CHIP	470K 0.5% 1/10W
				R6621	1-216-073-91	RES-CHIP	10K 5% 1/10W
				R6622	1-220-797-11	CEMENTED	0.47 5% 10W
				R6623	1-215-864-00	METAL OXIDE	150 5% 1W
				R6624	1-208-830-11	METAL CHIP	100K 0.5% 1/10W
				R6625	1-215-864-00	METAL OXIDE	150 5% 1W
				R6626	1-215-444-00	METAL	9.1K 1% 1/4W
				R6627	1-215-481-00	METAL	330K 1% 1/4W
				R6628	1-216-073-91	RES-CHIP	10K 5% 1/10W
				R6629	1-215-481-00	METAL	330K 1% 1/4W
				R6630	1-215-481-00	METAL	330K 1% 1/4W
				R6631	1-208-808-11	METAL CHIP	12K 0.5% 1/10W
				R6632	1-208-758-11	METAL CHIP	100 0.5% 1/10W
				R6633	1-215-458-00	METAL	36K 1% 1/4W
				R6634	1-215-489-00	METAL	680K 1% 1/4W
				R6635	1-215-489-00	METAL	680K 1% 1/4W
				R6636	1-215-489-00	METAL	680K 1% 1/4W
				R6637	1-215-463-00	METAL	56K 1% 1/4W
				R6638	1-240-876-11	CEMENTED	1 5% 15W
				R6639	1-240-876-11	CEMENTED	1 5% 15W
				R6640	1-216-081-00	RES-CHIP	22K 5% 1/10W
				R6641	1-260-131-11	CARBON	470K 5% 1/2W
				R6642	1-260-131-11	CARBON	470K 5% 1/2W
				R6643	1-216-081-00	RES-CHIP	22K 5% 1/10W
				R6644	1-249-417-11	CARBON	1K 5% 1/4W
				R6645	1-220-886-11	FUSIBLE	0.1 10% 1W
				R6647	1-208-770-11	METAL CHIP	330 0.5% 1/10W
				R6648	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
				R6649	1-249-425-11	CARBON	4.7K 5% 1/4W
				R6651	1-217-157-00	METAL	0.33 10% 5W
				R6654	1-216-089-91	RES-CHIP	47K 5% 1/10W
				R6655	1-216-073-91	RES-CHIP	10K 5% 1/10W
				R6658	1-249-393-11	CARBON	10 5% 1/4W
				R6659	1-249-393-11	CARBON	10 5% 1/4W
				R6660	1-216-073-91	RES-CHIP	10K 5% 1/10W
		<IC LINK>					
PS6605	1-533-597-41	LINK, IC					
PS6606	1-533-597-41	LINK, IC					
PS6801	1-532-841-21	LINK, IC					
		<TRANSISTOR>					
Q6100	8-729-046-40	2SK2663					
Q6102	8-729-023-22	2SD2114K					
Q6600	8-729-052-32	IRFIB7N50A					
Q6601	8-729-119-78	2SC2785-HFE					
Q6602	8-729-119-78	2SC2785-HFE					
Q6603	8-729-052-32	IRFIB7N50A					
Q6604	8-729-119-76	2SA1175-HFE					
Q6605	8-729-230-49	2SC2712-YG					
Q6608	8-729-200-21	2SC2500-B					
Q6609	8-729-029-56	DTA144ESA					
Q6610	8-729-119-78	2SC2785-HFE					
Q6611	8-729-029-66	DTC114ESA					
Q6613	8-729-030-02	DTC144ESA					
Q6614	8-729-119-76	2SA1175-HFE					
Q6619	8-729-119-78	2SC2785-HFE					
Q6620	8-729-119-78	2SC2785-HFE					
Q6800	8-729-422-33	2SD601A-Q-TX					
Q6802	8-729-046-33	IRF720-LF49 (KV-EX29K94)					
Q6802	8-729-025-19	IRFI740G (KV-EX34K94)					
Q6803	8-729-119-76	2SA1175-HFE					
Q6804	8-729-119-78	2SC2785-HFE					
Q6805	8-729-140-96	2SD774-34					
Q6806	8-729-140-96	2SD774-34					
Q6807	8-729-046-18	2SC5480-01					
Q6808	8-729-046-18	2SC5480-01					
Q6809	8-729-038-83	TRANSISTOR 2SK2251-01-F19					
Q6810	8-729-047-60	IRFI830G-LF49					
Q6811	1-801-806-11	TR DTC144EKA					
Q6812	8-729-043-95	2SC3840(3)					
Q6813	8-729-422-33	2SD601A-Q-TX					
Q6814	8-729-026-49	2SA1037AK-T146-R					
Q6815	8-729-045-65	2SA1776TV2Q					
Q6816	8-729-140-96	2SD774-34					
Q6817	8-729-422-33	2SD601A-Q-TX					
Q6818	1-801-806-11	TR DTC144EKA					
Q6819	1-801-806-11	TR DTC144EKA					
Q6820	8-729-422-33	2SD601A-Q-TX					
Q6821	8-729-026-49	2SA1037AK-T146-R					
Q6822	8-729-026-49	2SA1037AK-T146-R					
Q6823	8-729-422-33	2SD601A-Q-TX					
		<RESISTOR>					
R6100	1-260-298-51	CARBON	3.3 5% 1/2W				
R6101	1-216-045-00	RES-CHIP	680 5% 1/10W				
R6102	1-249-389-11	CARBON	4.7 5% 1/4W				
R6103	1-216-009-91	RES-CHIP	22 5% 1/10W				
R6104	1-240-205-91	CARBON	22M 5% 1/2W				

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REF NO.	PART NO.	DESCRIPTION	REMARK
R6662	1-249-429-11	CARBON	10K 5% 1/4W
R6663	1-249-429-11	CARBON	10K 5% 1/4W
R6664	1-249-421-11	CARBON	2.2K 5% 1/4W
R6666	1-249-429-11	CARBON	10K 5% 1/4W
R6667	1-249-425-11	CARBON	4.7K 5% 1/4W
R6669	1-249-417-11	CARBON	1K 5% 1/4W
R6670	1-216-073-91	RES-CHIP	10K 5% 1/10W
R6671	1-217-611-00	METAL	0.1 10% 2W
R6672	1-249-421-11	CARBON	2.2K 5% 1/4W
R6674	1-249-418-11	CARBON	1.2K 5% 1/4W
R6675	1-208-774-11	METAL CHIP	470 0.5% 1/10W
R6679	1-249-437-11	CARBON	47K 5% 1/4W
R6680	1-216-362-11	METAL OXIDE	0.27 5% 2W
R6681	1-249-429-11	CARBON	10K 5% 1/4W
R6682	1-249-416-11	CARBON	820 5% 1/4W
R6683	1-260-127-11	CARBON	220K 5% 1/2W
R6685	1-249-421-11	CARBON	2.2K 5% 1/4W
R6686 Δ	1-247-289-11	METAL	8.2M 5% 1W
R6688	1-249-417-11	CARBON	1K 5% 1/4W
R6689	1-249-389-11	CARBON	4.7 5% 1/4W
R6690	1-249-429-11	CARBON	10K 5% 1/4W
R6691	1-260-131-11	CARBON	470K 5% 1/2W
R6692	1-249-410-11	CARBON	270 5% 1/4W
R6693	1-215-451-00	METAL	18K 1% 1/4W
R6694	1-215-471-00	METAL	120K 1% 1/4W
R6696	1-215-925-11	METAL OXIDE	22K 5% 3W
R6699	1-216-073-91	RES-CHIP	10K 5% 1/10W
R6701	1-216-073-91	RES-CHIP	10K 5% 1/10W
R6702	1-216-689-11	RES-CHIP	39K 5% 1/10W
R6704	1-249-377-11	CARBON	0.47 5% 1/4W
R6710	1-217-158-00	METAL	0.47 10% 5W
R6713	1-208-822-11	METAL CHIP	47K 0.5% 1/10W
R6715	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R6800	1-249-429-11	CARBON	10K 5% 1/4W
R6801	1-249-429-11	CARBON	10K 5% 1/4W
R6802	1-249-429-11	CARBON	10K 5% 1/4W
R6803	1-216-073-91	RES-CHIP	10K 5% 1/10W
R6804	1-208-796-11	METAL CHIP (KV-EX29K94)	3.9K 0.5% 1/10W
R6804	1-208-794-11	METAL CHIP (KV-EX34K94)	3.3K 0.5% 1/10W
R6805	1-208-802-11	METAL CHIP	6.8K 0.5% 1/10W
R6806	1-208-796-11	METAL CHIP (KV-EX29K94)	3.9K 0.5% 1/10W
R6806	1-208-794-11	METAL CHIP (KV-EX34K94)	3.3K 0.5% 1/10W
R6807	1-249-383-11	CARBON	1.5 5% 1/4W
R6810	1-214-798-21	METAL	1.8 1% 1/2W
R6811	1-215-913-11	METAL OXIDE	220 5% 3W
R6813	1-214-798-21	METAL	1.8 1% 1/2W
R6814	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6815	1-208-801-11	METAL CHIP	6.2K 0.5% 1/10W
R6816	1-214-915-00	METAL	120K 1% 1/2W
R6818	1-215-485-00	METAL	470K 1% 1/4W
R6819	1-249-421-11	CARBON	2.2K 5% 1/4W
R6820	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R6822	1-216-461-00	METAL OXIDE	5.6K 5% 2W
R6823	1-215-895-11	METAL OXIDE	3.3K 5% 2W
R6824	1-249-408-11	CARBON	180 5% 1/4W
R6825	1-249-408-11	CARBON	180 5% 1/4W
R6826	1-216-459-00	METAL OXIDE (KV-EX29K94)	2.7K 5% 2W

REF NO.	PART NO.	DESCRIPTION	REMARK
R6826	1-215-894-11	METAL OXIDE (KV-EX34K94)	2.2K 5% 2W
R6827	1-215-895-11	METAL OXIDE (KV-EX29K94)	3.3K 5% 2W
R6827	1-216-459-00	METAL OXIDE (KV-EX34K94)	2.7K 5% 2W
R6828	1-249-411-11	CARBON	330 5% 1/4W
R6829	1-249-411-11	CARBON	330 5% 1/4W
R6830	1-247-764-11	CARBON	10K 5% 1/2W
R6831	1-247-764-11	CARBON	10K 5% 1/2W
R6832	1-215-477-00	METAL	220K 1% 1/4W
R6833	1-215-493-00	METAL	1M 1% 1/4W
R6834	1-216-381-11	METAL OXIDE	0.22 5% 3W
R6835	1-216-381-11	METAL OXIDE	0.22 5% 3W
R6836	1-215-905-11	METAL OXIDE	10 5% 3W
R6837	1-215-905-11	METAL OXIDE	10 5% 3W
R6838	1-215-461-00	METAL	47K 1% 1/4W
R6839	1-249-405-11	CARBON	100 5% 1/4W
R6841	1-216-434-11	METAL OXIDE	1.8K 5% 1W
R6842	1-215-923-00	METAL OXIDE	10K 5% 3W
R6843	1-216-073-91	RES-CHIP	10K 5% 1/10W
R6844	1-247-807-31	CARBON	100 5% 1/4W
R6845	1-208-836-11	METAL CHIP (KV-EX29K94)	180K 0.5% 1/10W
R6845	1-208-824-11	METAL CHIP (KV-EX34K94)	56K 0.5% 1/10W
R6846	1-260-127-11	CARBON	220K 5% 1/2W
R6847	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6848	1-216-101-00	RES-CHIP	150K 5% 1/10W
R6851	1-260-288-11	CARBON	0.47 5% 1/2W
R6852	1-216-345-11	METAL OXIDE	0.47 5% 1W
R6853	1-260-288-11	CARBON	0.47 5% 1/2W
R6854	1-215-923-00	METAL OXIDE	10K 5% 3W
R6855	1-214-899-81	METAL (KV-EX29K94)	27K 1% 1/2W
R6855	1-214-898-81	METAL (KV-EX34K94)	24K 1% 1/2W
R6856	1-215-923-00	METAL OXIDE	10K 5% 3W
R6857	1-215-923-00	METAL OXIDE	10K 5% 3W
R6858	1-214-899-81	METAL (KV-EX29K94)	27K 1% 1/2W
R6858	1-214-898-81	METAL (KV-EX34K94)	24K 1% 1/2W
R6859	1-215-871-11	METAL OXIDE	2.2K 5% 1W
R6860	1-215-923-00	METAL OXIDE	10K 5% 3W
R6861	1-216-295-91	SHORT	0
R6862	1-216-081-00	RES-CHIP	22K 5% 1/10W
R6863	1-215-894-11	METAL OXIDE	2.2K 5% 2W
R6864	1-216-081-00	RES-CHIP	22K 5% 1/10W
R6865	1-216-103-00	RES-CHIP (KV-EX29K94)	180K 5% 1/10W
R6865	1-216-101-00	RES-CHIP (KV-EX34K94)	150K 5% 1/10W
R6866	1-215-433-00	METAL (KV-EX29K94)	3.3K 1% 1/4W
R6866	1-215-431-00	METAL (KV-EX34K94)	2.7K 1% 1/4W
R6867	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R6868	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R6869	1-216-115-00	RES-CHIP (KV-EX29K94)	560K 5% 1/10W
R6869	1-216-113-00	RES-CHIP (KV-EX34K94)	470K 5% 1/10W

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REF NO.	PART NO.	DESCRIPTION	REMARK
R6870	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6871	1-208-822-11	METAL CHIP	47K 0.5% 1/10W
R6872	1-260-125-11	CARBON	150K 5% 1/2W
R6873	1-260-125-11	CARBON	150K 5% 1/2W
R6875	1-249-417-11	CARBON	1K 5% 1/4W
R6876	1-216-391-11	METAL OXIDE (KV-EX29K94)	1.5 5% 3W
R6876	1-260-288-11	CARBON (KV-EX34K94)	0.47 5% 1/2W
R6877	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
R6878	1-208-770-11	METAL CHIP	330 0.5% 1/10W
R6879	1-216-105-91	RES-CHIP	220K 5% 1/10W
R6880	1-208-802-11	METAL CHIP	6.8K 0.5% 1/10W
R6881	1-215-453-00	METAL (KV-EX29K94)	22K 1% 1/4W
R6881	1-215-447-00	METAL (KV-EX34K94)	12K 1% 1/4W
R6882	1-215-456-00	METAL (KV-EX29K94)	30K 1% 1/4W
R6882	1-215-453-00	METAL (KV-EX34K94)	22K 1% 1/4W
R6883	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R6884	1-249-441-11	CARBON	100K 5% 1/4W
R6885	1-208-798-11	METAL CHIP	4.7K 0.5% 1/10W
R6886	1-208-798-11	METAL CHIP	4.7K 0.5% 1/10W
R6887	1-216-081-00	RES-CHIP	22K 5% 1/10W
R6888	1-216-089-91	RES-CHIP	47K 5% 1/10W
R6889	1-260-125-11	CARBON	150K 5% 1/2W
R6890	1-260-125-11	CARBON	150K 5% 1/2W
R6891	1-216-069-00	RES-CHIP	6.8K 5% 1/10W
R6892	1-216-097-11	RES-CHIP	100K 5% 1/10W
R6893	1-216-085-91	RES-CHIP	33K 5% 1/10W
R6894	1-260-133-11	CARBON	680K 5% 1/2W
R6895	1-216-097-11	RES-CHIP	100K 5% 1/10W
R6896	1-216-089-91	RES-CHIP	47K 5% 1/10W
R6897	1-216-097-11	RES-CHIP	100K 5% 1/10W
R6899	1-216-073-91	RES-CHIP	10K 5% 1/10W
R6900	1-208-810-11	METAL CHIP (KV-EX29K94)	15K 0.5% 1/10W
R6900	1-208-808-11	METAL CHIP (KV-EX34K94)	12K 0.5% 1/10W
R6901	1-208-810-11	METAL CHIP (KV-EX29K94)	15K 0.5% 1/10W
R6901	1-208-808-11	METAL CHIP (KV-EX34K94)	12K 0.5% 1/10W
R6902	1-249-441-11	CARBON	100K 5% 1/4W
R6903	1-215-923-00	METAL OXIDE	10K 5% 3W
R6905	1-249-389-11	CARBON	4.7 5% 1/4W
R6906	1-216-079-00	RES-CHIP	18K 5% 1/10W
R6907	1-216-079-00	RES-CHIP	18K 5% 1/10W
		<RELAY>	
RY6601 \triangle	1-755-198-12	RELAY	
RY6602 \triangle	1-755-357-11	RELAY, AC POWER	
RY6603 \triangle	1-755-357-11	RELAY, AC POWER	
		<TRANSFORMER>	
T6100 \triangle	1-433-844-11	TRANSFORMER, CONVERTER	
T6602 \triangle	1-435-690-11	TRANSFORMER, CONVERTER (PIT)	
T6800	1-429-741-11	TRANSFORMER, DRIVE	
T6801	1-433-934-11	TRANSFORMER, FERRITE (DFT)	
T6802	1-433-489-11	TRANSFORMER, FERRITE (HDT)	

REF NO.	PART NO.	DESCRIPTION	REMARK
T6803 \triangle	1-453-363-11	TRANSFORMER ASSY FLYBACK (NX-4522//J1B4) (KV-EX29K94)	
T6803 \triangle	1-453-326-11	TRANSFORMER ASSY FLYBACK (NX-4601//J1B4) (KV-EX34K94)	
T6804	1-433-489-11	TRANSFORMER, FERRITE (HDT)	
		<THERMISTOR>	
TH6100	1-803-586-11	THERMISTOR, NTC	
TH6601	1-803-540-11	THERMISTOR	
		<VARISTOR>	
VD6601	1-803-614-11	VARISTOR	
VD6603	1-803-830-11	VARISTOR (ERZV14D621)	

	* A-1343-928-A	D1 BOARD MOUNTED (KV-EX29K94)	
	* A-1343-962-A	D1 BOARD MOUNTED (KV-EX34K94)	

	4-382-854-11	SCREW (M3X10), P, SW (+)	
		<CAPACITOR>	
C4800	1-136-165-00	FILM	0.1UF 5.00% 50V
C4801	1-136-161-00	FILM	0.047UF 5.00% 50V
C4802	1-163-275-11	CERAMIC CHIP	0.001UF 5.00% 50V
C4803	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C4804	1-126-967-11	ELECT	47UF 20.00% 50V
C4805	1-126-964-11	ELECT	10UF 20.00% 50V
C4806	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C4807	1-163-009-91	CERAMIC CHIP (KV-EX29K94)	0.001UF 10.00% 50V
C4807	1-164-182-11	CERAMIC CHIP (KV-EX34K94)	0.0033UF 10.00% 50V
C4808	1-136-165-00	FILM	0.1UF 5.00% 50V
C4809	1-163-275-11	CERAMIC CHIP	0.001UF 5.00% 50V
C4810	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C4811	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C4812	1-126-967-11	ELECT	47UF 20.00% 50V
C4813	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C4814	1-126-947-11	ELECT (KV-EX29K94)	47UF 20.00% 25V
C4814	1-124-589-11	ELECT (KV-EX34K94)	47UF 20.00% 16V
C4815	1-163-235-11	CERAMIC CHIP	22PF 5.00% 50V
C4816	1-163-227-11	CERAMIC CHIP	10PF 0.50PF 50V
C4817	1-126-947-11	ELECT (KV-EX29K94)	47UF 20.00% 25V
C4817	1-124-589-11	ELECT (KV-EX34K94)	47UF 20.00% 16V
C4818	1-126-961-11	ELECT (KV-EX29K94)	2.2UF 20.00% 50V
C4818	1-126-964-11	ELECT (KV-EX34K94)	10UF 20.00% 50V
C4820	1-107-909-11	ELECT	47UF 20.00% 50V
C4821	1-107-909-11	ELECT	47UF 20.00% 16V
C4822	1-107-909-11	ELECT	47UF 20.00% 16V
C4823	1-163-017-00	CERAMIC CHIP	0.0047UF 10.00% 50V
C4824	1-163-809-11	CERAMIC CHIP	0.047UF 10.00% 25V

D1

REF NO.	PART NO.	DESCRIPTION	REMARK
C4825	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C4833	1-126-964-11	ELECT	10UF 20.00% 50V
C4834	1-126-933-11	ELECT	100UF 20.00% 16V
C4835	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C4850	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C6101	1-107-714-11	ELECT	10UF 20.00% 50V
C6102	1-109-953-11	ELECT	2.2UF 20.00% 50V
C6103	1-107-714-11	ELECT	10UF 20.00% 50V
C6104	1-126-965-91	ELECT	22UF 20.00% 50V
C6105	1-126-933-11	ELECT	100UF 20.00% 16V
C6108	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C6109	1-126-947-11	ELECT	47UF 20.00% 25V
C6112	1-163-037-11	CERAMIC CHIP	0.022UF 10.00% 50V
C6113	1-136-347-11	FILM	0.0047UF 5.00% 630V
C6114	1-126-947-11	ELECT	47UF 20.00% 25V
C6115	1-163-005-91	CERAMIC CHIP	470PF 10.00% 50V
C6116	1-163-275-11	CERAMIC CHIP	0.001UF 5.00% 50V
C6117	1-163-275-11	CERAMIC CHIP	0.001UF 5.00% 50V
C6118	1-107-909-11	ELECT	47UF 20.00% 16V
C6120	1-163-809-11	CERAMIC CHIP	0.047UF 10.00% 25V
C6121	1-126-963-11	ELECT	4.7UF 20.00% 50V
C6122	1-126-947-11	ELECT	47UF 20.00% 25V
C6123	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C6124	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C6125	1-128-551-11	ELECT	22UF 20.00% 25V
C6127	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C6128	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C6129	1-126-964-11	ELECT	10UF 20.00% 50V
C6131	1-126-964-11	ELECT	10UF 20.00% 50V
C6133	1-137-194-81	FILM	0.47UF 5.00% 50V
C6136	1-129-716-00	FILM	0.015UF 5.00% 630V
C6138	1-126-968-11	ELECT	100UF 20.00% 50V
C6139	1-107-902-11	ELECT	1UF 20.00% 50V
C6140	1-126-960-11	ELECT	1UF 20.00% 50V
C6201	1-126-947-11	ELECT	47UF 20.00% 25V
C6202	1-126-947-11	ELECT	47UF 20.00% 25V
C6203	1-126-947-11	ELECT	47UF 20.00% 25V
C6204	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C6205	1-163-021-91	CERAMIC CHIP	0.01UF 10.00% 50V
C6206	1-126-964-11	ELECT	10UF 20.00% 50V
C6207	1-126-947-11	ELECT	47UF 20.00% 25V
C6208	1-126-947-11	ELECT	47UF 20.00% 25V
C6209	1-163-133-00	CERAMIC CHIP	470PF 5.00% 50V
C6210	1-163-009-91	CERAMIC CHIP	0.001UF 10.00% 50V
C6211	1-126-964-11	ELECT	10UF 20.00% 50V
C6212	1-164-222-91	CERAMIC CHIP	0.22UF 25V
C6350	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C6351	1-126-947-11	ELECT	47UF 20.00% 25V
C6353	1-163-251-11	CERAMIC CHIP	100PF 5.00% 50V
C6354	1-126-964-11	ELECT	10UF 20.00% 50V
C6355	1-163-251-11	CERAMIC CHIP	100PF 5.00% 50V
C6356	1-163-809-11	CERAMIC CHIP	0.047UF 10.00% 25V
C6358	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C6361	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
C6362	1-164-182-11	CERAMIC CHIP	0.0033UF 10.00% 50V
C6365	1-163-809-11	CERAMIC CHIP	0.047UF 10.00% 25V
C6376	1-126-947-11	ELECT (KV-EX29K94)	47UF 20.00% 25V
C6376	1-126-947-11	ELECT (KV-EX34K94)	47UF 20.00% 16V
C6377	1-126-947-11	ELECT	47UF 20.00% 25V
C6378	1-115-339-11	CERAMIC CHIP	0.1UF 10.00% 50V

REF NO.	PART NO.	DESCRIPTION	REMARK
C6380	1-136-495-11	FILM	0.068UF 5.00% 50V
C6381	1-126-964-11	ELECT	10UF 20.00% 50V
C6385	1-126-947-11	ELECT	47UF 20.00% 25V
C6386	1-126-947-11	ELECT	47UF 20.00% 25V
C6388	1-126-964-11	ELECT	10UF 20.00% 50V
C6392	1-126-947-11	ELECT	47UF 20.00% 25V
C6409	1-126-963-11	ELECT	4.7UF 20.00% 50V
<CONNECTOR>			
CN4800	1-695-915-11	TAB (CONTACT)	
CN4801	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN6100	1-783-966-11	CONNECTOR, BOARD TO BOARD 30P	
CN6103	* 1-564-518-11	PLUG, CONNECTOR 3P	
CN6104	* 1-564-523-11	PLUG, CONNECTOR 8P	
CN6106	1-783-966-11	CONNECTOR, BOARD TO BOARD 30P	
<DIODE>			
D4800	8-719-914-43	DAN202K	
D4801	8-719-914-43	DAN202K	
D4802	8-719-109-81	RD4.7ESB2	
D4803	8-719-911-19	1SS119-25	
D4804	8-719-911-19	1SS119-25	
D4805	8-719-914-43	DAN202K (KV-EX34K94 ONLY)	
D4808	8-719-914-43	DAN202K	
D4809	8-719-914-43	DAN202K	
D4811	1-249-381-11	CARBON	1 5% 1/4W
D4812	8-719-911-19	1SS119-25	
D4813	8-719-109-89	RD5.6ESB2	
D4814	8-719-404-50	MA111-TX	
D4815	8-719-109-54	RD2.2ES-B2	
D4816	8-719-911-19	1SS119-25	
D6101	8-719-510-02	D1NS4	
D6102	8-719-510-02	D1NS4	
D6103	8-719-063-73	DIODE D1NL20U-TR	
D6104	8-719-911-19	1SS119-25	
D6105	8-719-109-60	RD2.7ESB2	
D6106	8-719-510-02	D1NS4	
D6107	8-719-109-84	RD5.1ES-B1	
D6108	8-719-911-19	1SS119-25	
D6109	8-719-911-19	1SS119-25	
D6110	8-719-987-87	ERA85-009	
D6133	8-719-911-19	1SS119-25	
D6134	8-719-911-19	1SS119-25	
D6201	8-719-109-88	RD5.6ES-B1	
D6210	8-719-109-88	RD5.6ES-B1	
D6350	8-719-914-43	DAN202K	
D6351	8-719-914-43	DAN202K	
D6355	8-719-914-43	DAN202K	
D6404	8-719-914-43	DAN202K	
<IC>			
IC4800	8-759-450-95	LM393N	
IC4801	8-759-450-95	LM393N	
IC4802	8-759-638-79	NJM3404AD-W	
IC4803	8-759-135-80	UPC358C	
IC6101	8-752-053-21	CXA1211M	
IC6102	8-759-450-95	LM393N	
IC6103	8-759-450-95	LM393N	

D1

REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
IC6104	8-759-803-42	LA6500-FA		Q4820	8-729-230-49	2SC2712-YG	
IC6105	8-759-450-95	LM393N		Q4821	1-801-806-11	TR DTC144EKA	
IC6106	8-759-198-31	UPC1093J-1-T		Q4822	8-729-230-49	2SC2712-YG	
IC6107	8-759-325-48	CA0005AD		Q6103	8-729-046-33	IRF720-LF49	
IC6108	8-759-567-08	MB88141APF-ER		Q6104	8-729-230-49	2SC2712-YG	
IC6201	8-759-183-37	CA0007AD		Q6105	8-729-230-49	2SC2712-YG	
IC6202	8-759-135-80	UPC358C		Q6106	8-729-026-49	2SA1037AK-T146-R	
IC6351	8-759-450-95	LM393N		Q6107	8-729-140-93	2SB733-34	
IC6353	8-759-231-53	TA7805S		Q6118	8-729-230-49	2SC2712-YG	
IC6354	8-759-325-48	CA0005AD		Q6124	1-801-806-11	TR DTC144EKA	
IC6356	8-759-822-38	LA6510		Q6125	8-729-230-49	2SC2712-YG	
		<CHIP CONDUCTOR>		Q6126	8-729-026-49	2SA1037AK-T146-R	
JR6100	1-216-295-91	SHORT	0	Q6128	8-729-023-22	2SD2114K	
JR6101	1-216-295-91	SHORT	0	Q6201	8-729-230-49	2SC2712-YG	
JR6102	1-216-295-91	SHORT	0	Q6202	8-729-230-49	2SC2712-YG	
JR6103	1-216-295-91	SHORT	0	Q6203	8-729-422-33	2SD601A-Q-TX	
JR6104	1-216-295-91	SHORT	0	Q6350	8-729-230-49	2SC2712-YG	
JR6105	1-216-295-91	SHORT	0	Q6356	8-729-230-49	2SC2712-YG	
JR6106	1-216-295-91	SHORT	0	Q6405	8-729-026-49	2SA1037AK-T146-R	
JR6107	1-216-295-91	SHORT	0	Q6455	8-729-230-49	2SC2712-YG	
JR6108	1-216-295-91	SHORT	0			<RESISTOR>	
JR6109	1-216-295-91	SHORT	0	R4408	1-216-025-11	RES-CHIP	100 5% 1/10W
JR6112	1-216-295-91	SHORT	0	R4409	1-216-073-91	RES-CHIP	10K 5% 1/10W
JR6113	1-216-295-91	SHORT	0	R4410	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
JR6114	1-216-295-91	SHORT	0	R4411	1-216-073-91	RES-CHIP	10K 5% 1/10W
JR6115	1-216-295-91	SHORT	0	R4412	1-216-097-11	RES-CHIP	100K 5% 1/10W
JR6116	1-216-295-91	SHORT	0	R4413	1-216-073-91	RES-CHIP	10K 5% 1/10W
		<COIL>		R4800	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
L4800	1-412-537-31	INDUCTOR	100UH	R4801	1-216-049-11	RES-CHIP	1K 5% 1/10W
L6101	1-416-920-11	INDUCTOR	10MH	R4802	1-216-073-91	RES-CHIP	10K 5% 1/10W
L6102	1-406-989-21	INDUCTOR	10MH	R4803	1-216-049-11	RES-CHIP	1K 5% 1/10W
		<IC LINK>		R4804	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
PS6101	1-533-589-31	LINK, IC		R4805	1-208-792-11	METAL CHIP	2.7K 0.5% 1/10W
		<TRANSISTOR>		R4806	1-208-792-11	METAL CHIP	2.7K 0.5% 1/10W
Q4800	8-729-230-49	2SC2712-YG		R4807	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q4801	8-729-230-49	2SC2712-YG		R4809	1-216-073-91	RES-CHIP	10K 5% 1/10W
Q4802	8-729-230-49	2SC2712-YG		R4810	1-208-814-91	METAL CHIP	22K 0.5% 1/10W
Q4803	8-729-230-49	2SC2712-YG		R4811	1-208-814-91	METAL CHIP	22K 0.5% 1/10W
Q4804	8-729-230-49	2SC2712-YG		R4812	1-216-295-91	SHORT	0
Q4805	8-729-230-49	2SC2712-YG		R4813	1-216-089-91	RES-CHIP	47K 5% 1/10W
Q4806	8-729-230-49	2SC2712-YG		R4814	1-216-097-11	RES-CHIP	100K 5% 1/10W
Q4807	8-729-230-49	2SC2712-YG		R4815	1-208-830-11	METAL CHIP	100K 0.5% 1/10W
Q4808	8-729-424-02	2SB709A-QRS-TX		R4816	1-216-073-91	RES-CHIP	10K 5% 1/10W
Q4809	8-729-424-02	2SB709A-QRS-TX		R4817	1-208-854-11	METAL CHIP	1M 0.5% 1/10W
Q4810	8-729-230-49	2SC2712-YG		R4818	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
Q4811	8-729-230-49	2SC2712-YG		R4819	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q4812	8-729-424-02	2SB709A-QRS-TX		R4820	1-216-073-91	RES-CHIP	10K 5% 1/10W
Q4813	8-729-424-02	2SB709A-QRS-TX		R4821	1-216-073-91	RES-CHIP	10K 5% 1/10W
Q4814	8-729-424-02	2SB709A-QRS-TX		R4822	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q4815	8-729-424-02	2SB709A-QRS-TX		R4823	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q4816	8-729-026-49	2SA1037AK-T146-R (KV-EX29K94)		R4824	1-216-073-91	RES-CHIP	10K 5% 1/10W
Q4816	8-729-424-02	2SB709A-QRS-TX (KV-EX34K94)		R4825	1-216-073-91	RES-CHIP	10K 5% 1/10W
Q4817	8-729-230-49	2SC2712-YG		R4826	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q4818	8-729-424-02	2SB709A-QRS-TX		R4827	1-216-295-91	SHORT	0
				R4828	1-249-415-11	CARBON	680 5% 1/4W
				R4829	1-249-415-11	CARBON	680 5% 1/4W
				R4831	1-208-798-11	METAL CHIP	4.7K 0.5% 1/10W
				R4832	1-208-822-11	METAL CHIP	47K 0.5% 1/10W
				R4833	1-208-822-11	METAL CHIP	47K 0.5% 1/10W
				R4834	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
				R4835	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W

D1

REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
R4836	1-208-822-11	METAL CHIP	47K 0.5% 1/10W	R4882	1-208-830-11	METAL CHIP	100K 0.5% 1/10W
R4837	1-208-822-11	METAL CHIP	47K 0.5% 1/10W			(KV-EX34K94)	
R4838	1-208-830-11	METAL CHIP	100K 0.5% 1/10W	R4883	1-208-842-11	METAL CHIP	330K 0.5% 1/10W
R4839	1-208-804-11	METAL CHIP	8.2K 0.5% 1/10W				
R4840	1-216-295-91	SHORT	0	R4884	1-208-822-11	METAL CHIP	47K 0.5% 1/10W
				R4887	1-208-814-91	METAL CHIP	22K 0.5% 1/10W
R4841	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R4892	1-216-295-91	SHORT	0
R4842	1-208-822-11	METAL CHIP	47K 0.5% 1/10W	R6101	1-216-025-11	RES-CHIP	100 5% 1/10W
R4843	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6103	1-216-049-11	RES-CHIP	1K 5% 1/10W
R4844	1-208-796-11	METAL CHIP	3.9K 0.5% 1/10W				
R4845	1-208-830-11	METAL CHIP	100K 0.5% 1/10W	R6104	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
				R6105	1-208-798-11	METAL CHIP	4.7K 0.5% 1/10W
R4846	1-216-295-91	SHORT	0	R6106	1-208-798-11	METAL CHIP	4.7K 0.5% 1/10W
R4847	1-216-073-91	RES-CHIP	10K 5% 1/10W	R6107	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R4848	1-216-073-91	RES-CHIP	10K 5% 1/10W	R6108	1-216-073-91	RES-CHIP	10K 5% 1/10W
R4849	1-216-085-91	RES-CHIP	33K 5% 1/10W				
		(KV-EX29K94)		R6109	1-216-073-91	RES-CHIP	10K 5% 1/10W
R4849	1-216-095-00	RES-CHIP	82K 5% 1/10W	R6110	1-216-295-91	SHORT	0
		(KV-EX34K94)		R6113	1-208-822-11	METAL CHIP	47K 0.5% 1/10W
				R6114	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R4850	1-216-097-11	RES-CHIP	100K 5% 1/10W	R6115	1-208-814-91	METAL CHIP	22K 0.5% 1/10W
R4851	1-216-053-00	RES-CHIP	1.5K 5% 1/10W				
R4852	1-216-081-00	RES-CHIP	22K 5% 1/10W	R6116	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R4853	1-216-053-00	RES-CHIP	1.5K 5% 1/10W	R6117	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
R4854	1-216-067-00	RES-CHIP	5.6K 5% 1/10W	R6118	1-208-810-11	METAL CHIP	15K 0.5% 1/10W
		(KV-EX29K94)		R6119	1-208-796-11	METAL CHIP	3.9K 0.5% 1/10W
				R6120	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R4854	1-216-061-91	RES-CHIP	3.3K 5% 1/10W				
		(KV-EX34K94)		R6121	1-216-490-11	METAL OXIDE	39K 5% 3W
R4855	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R6122	1-216-295-91	SHORT	0
		(KV-EX29K94)		R6123	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
R4855	1-216-077-91	RES-CHIP	15K 5% 1/10W	R6124	1-208-800-11	METAL CHIP	5.6K 0.5% 1/10W
		(KV-EX34K94)		R6126	1-208-798-11	METAL CHIP	4.7K 0.5% 1/10W
R4856	1-216-057-00	RES-CHIP	2.2K 5% 1/10W				
R4857	1-208-800-11	METAL CHIP	5.6K 0.5% 1/10W	R6127	1-208-832-11	METAL CHIP	120K 0.5% 1/10W
		(KV-EX29K94)		R6128	1-208-838-91	METAL CHIP	220K 0.5% 1/10W
				R6129	1-216-353-00	METAL OXIDE	2.2 5% 1W
R4857	1-208-808-11	METAL CHIP	12K 0.5% 1/10W	R6130	1-216-073-91	RES-CHIP	10K 5% 1/10W
		(KV-EX34K94)		R6131	1-208-816-11	METAL CHIP	27K 0.5% 1/10W
R4858	1-208-814-91	METAL CHIP	22K 0.5% 1/10W			(KV-EX29K94)	
		(KV-EX34K94)		R6131	1-208-798-11	METAL CHIP	4.7K 0.5% 1/10W
R4859	1-208-794-11	METAL CHIP	3.3K 0.5% 1/10W			(KV-EX34K94)	
R4860	1-208-794-11	METAL CHIP	3.3K 0.5% 1/10W	R6133	1-208-812-11	METAL CHIP	18K 0.5% 1/10W
R4861	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6134	1-208-803-11	METAL CHIP	7.5K 0.5% 1/10W
						(KV-EX29K94)	
R4862	1-208-806-11	METAL CHIP	10K 0.5% 1/10W	R6134	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R4864	1-208-788-11	METAL CHIP	1.8K 0.5% 1/10W			(KV-EX34K94)	
		(KV-EX29K94)		R6135	1-216-073-91	RES-CHIP	10K 5% 1/10W
R4864	1-216-655-11	METAL CHIP	1.5K 0.5% 1/10W				
		(KV-EX34K94)		R6136	1-260-328-11	CARBON	1K 5% 1/2W
R4865	1-216-635-11	METAL CHIP	220 0.5% 1/10W	R6137	1-216-049-11	RES-CHIP	1K 5% 1/10W
		(KV-EX29K94)		R6138	1-208-798-11	METAL CHIP	4.7K 0.5% 1/10W
R4865	1-208-774-11	METAL CHIP	470 0.5% 1/10W	R6139	1-208-803-11	METAL CHIP	7.5K 0.5% 1/10W
		(KV-EX34K94)				(KV-EX29K94)	
R4866	1-216-089-91	RES-CHIP	47K 5% 1/10W	R6139	1-208-797-11	METAL CHIP	4.3K 0.5% 1/10W
R4869	1-208-814-91	METAL CHIP	22K 0.5% 1/10W			(KV-EX34K94)	
R4871	1-208-826-11	METAL CHIP	68K 0.5% 1/10W				
		(KV-EX29K94)		R6140	1-216-077-91	RES-CHIP	15K 5% 1/10W
R4871	1-208-824-11	METAL CHIP	56K 0.5% 1/10W	R6141	1-208-830-11	METAL CHIP	100K 0.5% 1/10W
		(KV-EX34K94)		R6142	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R4872	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6143	1-208-792-11	METAL CHIP	2.7K 0.5% 1/10W
				R6144	1-208-840-11	METAL CHIP	270K 0.5% 1/10W
R4874	1-216-295-91	SHORT	0			(KV-EX29K94 ONLY)	
R4875	1-216-057-00	RES-CHIP	2.2K 5% 1/10W				
R4877	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6149	1-208-828-11	METAL CHIP	82K 0.5% 1/10W
R4878	1-208-836-11	METAL CHIP	180K 0.5% 1/10W	R6150	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R4879	1-216-105-91	RES-CHIP	220K 5% 1/10W	R6151	1-216-049-11	RES-CHIP	1K 5% 1/10W
				R6152	1-216-081-00	RES-CHIP	22K 5% 1/10W
R4880	1-216-295-91	SHORT	0	R6153	1-216-105-91	RES-CHIP	220K 5% 1/10W
R4881	1-216-295-91	SHORT	0				
R4882	1-208-838-91	METAL CHIP	220K 0.5% 1/10W	R6154	1-208-802-11	METAL CHIP	6.8K 0.5% 1/10W
		(KV-EX29K94)				(KV-EX29K94)	
				R6154	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
						(KV-EX34K94)	



REF NO.	PART NO.	DESCRIPTION	REMARK		
R6155	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
R6156	1-216-077-91	RES-CHIP	15K	5%	1/10W
R6157	1-216-089-91	RES-CHIP	47K	5%	1/10W
R6158	1-216-689-11	RES-CHIP	39K	5%	1/10W
R6159	1-208-800-11	METAL CHIP (KV-EX29K94)	5.6K	0.5%	1/10W
R6159	1-208-802-11	METAL CHIP (KV-EX34K94)	6.8K	0.5%	1/10W
R6161	1-208-814-91	METAL CHIP	22K	0.5%	1/10W
R6162	1-216-049-11	RES-CHIP	1K	5%	1/10W
R6168	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6169	1-208-776-11	METAL CHIP	560	0.5%	1/10W
R6170	1-216-037-00	RES-CHIP	330	5%	1/10W
R6171	1-216-113-00	RES-CHIP	470K	5%	1/10W
R6172	1-216-105-91	RES-CHIP	220K	5%	1/10W
R6173	1-216-097-11	RES-CHIP	100K	5%	1/10W
R6174	1-216-079-00	RES-CHIP	18K	5%	1/10W
R6175	1-208-816-11	METAL CHIP	27K	0.5%	1/10W
R6176	1-249-389-11	CARBON	4.7	5%	1/4W
R6177	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6178	1-249-389-11	CARBON	4.7	5%	1/4W
R6180	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6190	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6192	1-216-295-91	SHORT	0		
R6195	1-208-806-11	METAL CHIP (KV-EX29K94)	10K	0.5%	1/10W
R6195	1-208-800-11	METAL CHIP (KV-EX34K94)	5.6K	0.5%	1/10W
R6196	1-249-377-11	CARBON	0.47	5%	1/4W
R6197	1-216-295-91	SHORT	0		
R6200	1-208-827-11	METAL CHIP (KV-EX29K94)	75K	0.5%	1/10W
R6200	1-208-836-11	METAL CHIP (KV-EX34K94)	180K	0.5%	1/10W
R6201	1-247-750-11	CARBON	680	5%	1/2W
R6202	1-216-061-91	RES-CHIP	3.3K	5%	1/10W
R6203	1-215-906-11	METAL OXIDE	15	5%	3W
R6204	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6206	1-216-033-00	RES-CHIP	220	5%	1/10W
R6207	1-208-794-11	METAL CHIP	3.3K	0.5%	1/10W
R6208	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R6209	1-216-099-00	RES-CHIP	120K	5%	1/10W
R6210	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6211	1-216-073-91	RES-CHIP	10K	5%	1/10W
R6212	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6213	1-216-097-11	RES-CHIP	100K	5%	1/10W
R6215	1-208-836-11	METAL CHIP	180K	0.5%	1/10W
R6216	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6217	1-216-073-91	RES-CHIP	10K	5%	1/10W
R6218	1-208-836-11	METAL CHIP	180K	0.5%	1/10W
R6219	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R6220	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
R6221	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
R6222	1-216-295-91	SHORT	0		
R6223	1-216-295-91	SHORT	0		
R6224	1-208-824-11	METAL CHIP	56K	0.5%	1/10W
R6225	1-208-824-11	METAL CHIP	56K	0.5%	1/10W
R6226	1-216-033-00	RES-CHIP	220	5%	1/10W
R6227	1-216-033-00	RES-CHIP	220	5%	1/10W
R6324	1-216-017-91	RES-CHIP	47	5%	1/10W
R6325	1-216-017-91	RES-CHIP	47	5%	1/10W
R6326	1-208-808-11	METAL CHIP	12K	0.5%	1/10W

REF NO.	PART NO.	DESCRIPTION	REMARK		
R6327	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R6350	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R6357	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6359	1-216-097-11	RES-CHIP	100K	5%	1/10W
R6360	1-216-073-91	RES-CHIP	10K	5%	1/10W
R6361	1-216-097-11	RES-CHIP	100K	5%	1/10W
R6367	1-208-808-11	METAL CHIP	12K	0.5%	1/10W
R6368	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R6375	1-216-041-00	RES-CHIP	470	5%	1/10W
R6378	1-215-473-00	METAL	150K	1%	1/4W
R6379	1-216-295-91	SHORT	0		
R6382	1-208-830-11	METAL CHIP	100K	0.5%	1/10W
R6385	1-216-295-91	SHORT	0		
R6386	1-208-830-11	METAL CHIP	100K	0.5%	1/10W
R6391	1-216-049-11	RES-CHIP	1K	5%	1/10W
R6394	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
R6413	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R6416	1-208-808-11	METAL CHIP	12K	0.5%	1/10W
R6418	1-216-113-00	RES-CHIP	470K	5%	1/10W
R6419	1-216-097-11	RES-CHIP	100K	5%	1/10W
R6420	1-216-111-00	RES-CHIP	390K	5%	1/10W
R6433	1-216-097-11	RES-CHIP	100K	5%	1/10W
R6438	1-215-437-00	METAL	4.7K	1%	1/4W
R6442	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6456	1-216-097-11	RES-CHIP	100K	5%	1/10W
R6457	1-208-814-91	METAL CHIP (KV-EX29K94)	22K	0.5%	1/10W
R6457	1-208-820-11	METAL CHIP (KV-EX34K94)	39K	0.5%	1/10W
R6458	1-216-089-91	RES-CHIP	47K	5%	1/10W
R6459	1-216-057-00	RES-CHIP	2.2K	5%	1/10W

* A-1333-004-A		DH BOARD MOUNTED *****			
<CAPACITOR>					
C4701	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4702	1-126-964-11	ELECT	10UF	20.00%	50V
C4703	1-163-275-11	CERAMIC CHIP	0.001UF	5.00%	50V
C4704	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
<CONNECTOR>					
CN4701	* 1-564-507-11	PLUG, CONNECTOR 4P			
<TRANSISTOR>					
Q4701	8-729-230-49	2SC2712-YG			
Q4702	8-729-230-49	2SC2712-YG			
Q4703	8-729-424-02	2SB709A-QRS-TX			
Q4704	8-729-424-02	2SB709A-QRS-TX			
<RESISTOR>					
R4701	1-216-049-11	RES-CHIP	1K	5%	1/10W
R4702	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R4703	1-208-818-11	METAL CHIP	33K	0.5%	1/10W

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

DH **F1** **H1**

REF NO.	PART NO.	DESCRIPTION	REMARK
R4704	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R4705	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R4706	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R4707	1-216-057-00	RES-CHIP	2.2K 5% 1/10W

- * A-1241-437-A F1 BOARD MOUNTED (KV-EX29K94)
- * A-1241-448-A F1 BOARD MOUNTED (KV-EX34K94)

- 1-533-223-11 HOLDER, FUSE
- * 4-374-846-01 COVER, CAPACITOR, CAP TYPE

<CAPACITOR>

C1601	Δ 1-104-708-51	MYLAR	0.47UF 20.00% 250V
C1602	Δ 1-109-835-51	MYLAR	0.68UF 20.00% 250V
C1603	Δ 1-117-703-51	CERAMIC	0.0047UF 99% 250V

<CONNECTOR>

CN1601	Δ 1-580-843-11	PIN, CONNECTOR (POWER)
CN1602	Δ 1-580-843-11	PIN, CONNECTOR (POWER)
CN1604	1-695-915-11	TAB (CONTACT)

<FUSE>

F1601	Δ 1-532-299-00	FUSE, TIME-LAG 5A/250V (KV-EX29K94)
F1601	Δ 1-532-325-11	FUSE, TIME-LAG 6.3A/250V (KV-EX34K94)

<FERRITE BEAD>

FB1601	1-410-397-21	FERRITE	1.1UH
FB1602	1-410-397-21	FERRITE	1.1UH
FB1603	1-410-397-21	FERRITE	1.1UH
FB1604	1-410-397-21	FERRITE	1.1UH

<RESISTOR>

R1601	Δ 1-202-885-91	SOLID	1M 10% 1/2W
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<TRANSFORMER>

T1601	Δ 1-433-900-21	TRANSFORMER, LINE FILTER
T1602	Δ 1-433-900-21	TRANSFORMER, LINE FILTER

<VARISTOR>

VDR161	1-803-830-11	VARISTOR (ERZV14D621)
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REF NO.	PART NO.	DESCRIPTION	REMARK
	* A-1372-869-A	H1 BOARD MOUNTED	*****

- * 4-055-304-01 HOLDER, LED

<CAPACITOR>

C1910	1-126-947-11	ELECT	47UF 20.00% 16V
C1911	1-126-947-11	ELECT	47UF 20.00% 16V
C1912	1-102-824-00	CERAMIC	470PF 5.00% 50V
C1930	1-136-153-00	FILM	0.01UF 5.00% 50V
C1932	1-136-153-00	FILM	0.01UF 5.00% 50V
C1935	1-102-824-00	CERAMIC	470PF 5.00% 50V
C1938	1-102-824-00	CERAMIC	470PF 5.00% 50V

<CONNECTOR>

CN1651	* 1-580-844-11	PIN, CONNECTOR (POWER)
CN1652	* 1-580-844-11	PIN, CONNECTOR (POWER)
CN1905	* 1-764-333-11	PLUG, CONNECTOR 10P
CN1932	* 1-564-509-11	PLUG, CONNECTOR 6P
CN1934	* 1-764-333-11	PLUG, CONNECTOR 10P

<DIODE>

D1905	8-719-070-16	NNCD9.1A-T1
D1906	8-719-083-18	DIODE SPB-25MVWF
D1907	8-719-070-16	NNCD9.1A-T1
D1930	8-719-929-15	HZS9.1NB2
D1944	8-719-070-16	NNCD9.1A-T1
D1945	8-719-911-19	ISS119-25
D1946	8-719-911-19	ISS119-25

<IC>

IC1901	8-742-134-01	SBX1981-51RP
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<JACK>

J1931	1-770-786-11	JACK
J1932	1-784-646-11	TERMINAL, S
J1933	1-770-329-11	JACK, PIN 3P

<COIL>

L1931	1-414-856-11	INDUCTOR	10UH
L1932	1-414-856-11	INDUCTOR	10UH

<TRANSISTOR>

Q1901	8-729-030-02	DTC144ESA
Q1902	8-729-030-02	DTC144ESA

<RESISTOR>

R1911	1-249-411-11	CARBON	330 5% 1/4W
R1913	1-249-429-11	CARBON	10K 5% 1/4W
R1914	1-249-411-11	CARBON	330 5% 1/4W
R1915	1-249-429-11	CARBON	10K 5% 1/4W
R1916	1-249-401-11	CARBON	47 5% 1/4W



REF NO.	PART NO.	DESCRIPTION	REMARK
		<FILTER>	
FL8802	1-236-071-11	ENCAPSULATED COMPONENT	
FL8803	1-236-071-11	ENCAPSULATED COMPONENT	
FL8804	1-236-071-11	ENCAPSULATED COMPONENT	
FL8805	1-236-071-11	ENCAPSULATED COMPONENT	
FL8808	1-236-071-11	ENCAPSULATED COMPONENT	
		<IC>	
IC8801	8-759-830-24	SDA9588XB23	
IC8802	8-759-460-72	BA033FP-E2	
		<COIL>	
L8801	1-414-856-11	INDUCTOR	10UH
L8806	1-412-537-31	INDUCTOR	100UH
L8807	1-414-856-11	INDUCTOR	10UH
L8809	1-408-412-00	INDUCTOR	18UH
		<TRANSISTOR>	
Q8801	8-729-216-22	2SA1162-G	
Q8802	8-729-216-22	2SA1162-G	
Q8803	8-729-216-22	2SA1162-G	
Q8804	8-729-026-49	2SA1037AK-T146-R	
Q8805	8-729-026-49	2SA1037AK-T146-R	
Q8806	8-729-230-49	2SC2712-YG	
Q8807	8-729-230-49	2SC2712-YG	
Q8808	8-729-216-22	2SA1162-G	
Q8809	8-729-216-22	2SA1162-G	
Q8810	8-729-216-22	2SA1162-G	
Q8811	8-729-216-22	2SA1162-G	
Q8812	8-729-230-49	2SC2712-YG	
		<RESISTOR>	
R8801	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8802	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8803	1-216-025-11	RES-CHIP	100 5% 1/10W
R8804	1-216-025-11	RES-CHIP	100 5% 1/10W
R8805	1-216-295-91	SHORT	0
R8806	1-216-041-00	RES-CHIP	470 5% 1/10W
R8807	1-216-041-00	RES-CHIP	470 5% 1/10W
R8808	1-216-041-00	RES-CHIP	470 5% 1/10W
R8809	1-216-025-11	RES-CHIP	100 5% 1/10W
R8810	1-216-025-11	RES-CHIP	100 5% 1/10W
R8811	1-208-770-11	METAL CHIP	330 0.5% 1/10W
R8812	1-216-025-11	RES-CHIP	100 5% 1/10W
R8815	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8816	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8817	1-216-041-00	RES-CHIP	470 5% 1/10W
R8818	1-216-025-11	RES-CHIP	100 5% 1/10W
R8819	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8820	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8821	1-216-025-11	RES-CHIP	100 5% 1/10W
R8822	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8823	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8824	1-216-025-11	RES-CHIP	100 5% 1/10W
R8825	1-216-041-00	RES-CHIP	470 5% 1/10W
R8826	1-216-025-11	RES-CHIP	100 5% 1/10W
R8827	1-216-025-11	RES-CHIP	100 5% 1/10W

REF NO.	PART NO.	DESCRIPTION	REMARK
R8828	1-216-025-11	RES-CHIP	100 5% 1/10W
R8829	1-216-025-11	RES-CHIP	100 5% 1/10W
R8830	1-216-025-11	RES-CHIP	100 5% 1/10W
R8831	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8832	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8833	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8834	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8835	1-216-047-91	RES-CHIP	820 5% 1/10W
R8836	1-216-047-91	RES-CHIP	820 5% 1/10W
R8837	1-216-025-11	RES-CHIP	100 5% 1/10W
R8838	1-216-053-00	RES-CHIP	1.5K 5% 1/10W
R8839	1-216-053-00	RES-CHIP	1.5K 5% 1/10W
R8840	1-216-025-11	RES-CHIP	100 5% 1/10W
R8841	1-216-025-11	RES-CHIP	100 5% 1/10W
R8842	1-216-097-11	RES-CHIP	100K 5% 1/10W
R8843	1-216-041-00	RES-CHIP	470 5% 1/10W
R8844	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8845	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8846	1-216-041-00	RES-CHIP	470 5% 1/10W
R8847	1-216-121-11	RES-CHIP	1M 5% 1/10W
R8848	1-216-073-91	RES-CHIP	10K 5% 1/10W
R8849	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8850	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
		<CRYSTAL>	
X8801	1-781-946-21	VIBRATOR, CRYSTAL	

	* A-1342-623-A	VM BOARD MOUNTED	*****
	4-382-854-11	SCREW (M3X10), P, SW (+)	
		<CAPACITOR>	
C5401	1-126-935-11	ELECT	470UF 20.00% 16V
C5402	1-137-194-81	FILM	0.47UF 5.00% 50V
C5403	1-126-935-11	ELECT	470UF 20.00% 6.3V
C5405	1-126-933-11	ELECT	100UF 20.00% 16V
C5406	1-126-935-11	ELECT	470UF 20.00% 6.3V
C5407	1-107-364-11	MYLAR	0.01UF 10.00% 200V
C5408	1-107-364-11	MYLAR	0.01UF 10.00% 200V
C5409	1-107-649-11	ELECT	2.2UF 20.00% 250V
C5410	1-130-471-00	MYLAR	0.001UF 5.00% 50V
C5411	1-130-471-00	MYLAR	0.001UF 5.00% 50V
C5412	1-126-935-11	ELECT	470UF 20.00% 16V
C5413	1-107-648-91	ELECT	100UF 20.00% 160V
C5415	1-104-999-11	MYLAR	0.1UF 10.00% 200V
C5417	1-101-821-00	CERAMIC	0.0022UF 500V
C5418	1-107-638-11	ELECT	33UF 20.00% 160V
		<CONNECTOR>	
CN5401	* 1-770-723-11	CONNECTOR, BOARD TO BOARD 8P	
CN5402	1-764-334-11	PLUG, CONNECTOR 11P	

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



REF NO.	PART NO.	DESCRIPTION	REMARK
		<DIODE>	
D5400	8-719-911-19	ISS119-25	
D5401	8-719-510-02	D1NS4	
D5402	8-719-911-19	ISS119-25	
D5403	8-719-911-19	ISS119-25	
D5404	8-719-911-19	ISS119-25	
D5405	8-719-110-56	RD22ES-B1	
D5406	8-719-110-56	RD22ES-B1	
		<COIL>	
L5400	1-412-525-31	INDUCTOR	10UH
		<TRANSISTOR>	
Q5400	8-729-119-78	2SC2785-HFE	
Q5401	8-729-119-78	2SC2785-HFE	
Q5402	8-729-119-78	2SC2785-HFE	
Q5403	8-729-119-78	2SC2785-HFE	
Q5404	8-729-119-76	2SA1175-HFE	
Q5405	8-729-119-76	2SA1175-HFE	
Q5406	8-729-045-05	2SA2005	
Q5407	8-729-045-04	2SC5511	
		<RESISTOR>	
R5401	1-249-425-11	CARBON	4.7K 5% 1/4W
R5402	1-249-415-11	CARBON	680 5% 1/4W
R5403	1-247-739-11	CARBON	100 5% 1/2W
R5404	1-249-418-11	CARBON	1.2K 5% 1/4W
R5406	1-249-425-11	CARBON	4.7K 5% 1/4W
R5407	1-249-399-11	CARBON	33 5% 1/4W
R5408	1-247-807-31	CARBON	100 5% 1/4W
R5409	1-249-409-11	CARBON	220 5% 1/4W
R5410	1-249-401-11	CARBON	47 5% 1/4W
R5411	1-249-401-11	CARBON	47 5% 1/4W
R5412	1-249-429-11	CARBON	10K 5% 1/4W
R5413	1-249-414-11	CARBON	560 5% 1/4W
R5414	1-249-432-11	CARBON	18K 5% 1/4W
R5415	1-247-739-11	CARBON	100 5% 1/2W
R5416	1-249-385-11	CARBON	2.2 5% 1/4W

REF NO.	PART NO.	DESCRIPTION	REMARK
R5417	1-249-432-11	CARBON	18K 5% 1/4W
R5418	1-249-414-11	CARBON	560 5% 1/4W
R5419	1-249-421-11	CARBON	2.2K 5% 1/4W
R5420	1-249-421-11	CARBON	2.2K 5% 1/4W
R5421	1-249-385-11	CARBON	2.2 5% 1/4W
R5422	1-249-405-11	CARBON	100 5% 1/4W
R5423	1-215-915-11	METAL OXIDE	470 5% 3W
R5424	1-249-395-11	CARBON	15 5% 1/4W
R5425	1-249-401-11	CARBON	47 5% 1/4W
R5427	1-249-395-11	CARBON	15 5% 1/4W

ACCESSORIES AND PACKING MATERIALS

- 1-565-886-11 ADAPTOR, CONVERSION
- 3-701-910-00 SCREW, SPECIAL (DIA. 3.8X20)
- * 4-029-168-01 BAG, PROTECTION (KV-EX29K94)
- * 4-074-148-01 BAG, PROTECTION (KV-EX34K94)
- 4-065-210-01 JOINT
- * 4-076-402-02 CUSHION (LOWER)(ASSY) (KV-EX29K94)
- * 4-076-924-01 CUSHION(LOWER)(ASSY) (KV-EX34K94)
- * 4-076-405-02 CUSHION (UPPER)(ASSY) (KV-EX29K94)
- * 4-076-927-01 CUSHION(UPPER)(ASSY) (KV-EX34K94)
- * 4-076-409-02 TRAY (KV-EX29K94)
- * 4-076-931-01 TRAY (KV-EX34K94)
- * 4-084-116-01 INDIVIDUAL CARTON (KV-EX29K94)
- * 4-084-623-01 INDIVIDUAL CARTON (KV-EX34K94)
- 4-078-366-71 MANUAL INSTRUCTION
- 4-392-003-11 BAND, HOLD
- 4-392-004-11 CLIP

REMOTE COMMANDER

- 1-476-842-11 REMOTE COMMANDER (RM-965)
- 4-079-833-01 BATTERY COVER REMOTE COMMANDER

