DVMC-DA1

SERVICE MANUAL

US Model Canadian Model



SPECIFICATIONS

Power requirements

DC IN 6V jack accepts the AC-MZ60A AC power adapter (supplied), AC 120 V, 60 Hz

Power consumption

AC 120 V, 60 Hz, 5.1 W (max., AC power adapter)

Operating temperature

10°C to 35°C (50°F to 95°F)

Operating humidity

40 % to 80 %

Storage temperature

-20°C to 80°C (-4°F to 176°F)

Storage humidity

20 % to 80 %

Dimensions (approx.)

 $124\times44\times90.5$ mm (5 $\times\,1^3/_4\,\times\,3^5/_8$ inches)

(w/h/d, excluding projections)

Mass (approx.)

300~g~(10~oz)~(unit~only)

Input/output connector

S-VIDEO IN: Mini DIN 4-pin (1)

S-VIDEO OUT: Mini DIN 4-pin (1)

VIDEO IN: RCA pin (1)

VIDEO OUT: RCA pin (1)

AUDIO IN: RCA pin (2): L, R

AUDIO OUT: RCA pin (2): L, R

DV IN/OUT: S100 (100 Mbps) 4-pin (1)

Supplied accessories

AC power adapter (AC-MZ60A)

DV connecting cable

Audio/video connecting cable

S-video connecting cable

Operating instructions

Owner registration card

Warranty card

Important safe guard

Design and specifications are subject to change without notice.

MEDIA CONVERTER



TABLE OF CONTENTS

1.	GENERAL1-1
2.	BLOCK DIAGRAMS
2-1.	OVERALL BLOCK DIAGRAM2-1
2-2.	POWER BLOCK DIAGRAM2-3
3.	PRINTED WIRING BOARDS AND SCHEMATIC
	DIAGRAMS
	• SWX-22 (SWITCH) SCHEMATIC DIAGRAM ······· 3-2
	• SWX-22 (SWITCH) PRINTED WIRING BOARD ···· 3-3
	• IFX-52 (MAIN : SIDE A)
	PRINTED WIRING BOARD3-5
	• IFX-52 (MAIN : SIDE B)
	PRINTED WIRING BOARD3-7
	• IFX-52 (J CORE) SCHEMATIC DIAGRAM ······ 3-9
	• IFX-52 (VFD) SCHEMATIC DIAGRAM 3-11
	• IFX-52 (MECH CON) SCHEMATIC DIAGRAM ···· 3-13
	• IFX-52 (HI) SCHEMATIC DIAGRAM ······ 3-15
	• IFX-52 (DC CON) SCHEMATIC DIAGRAM3-17
	• IFX-52 (AMP) SCHEMATIC DIAGRAM ······3-19
	• IFX-52 (AGC) SCHEMATIC DIAGRAM ······3-21
	• IFX-52 (AUDIO) SCHEMATIC DIAGRAM ······· 3-23
	• IFX-52 (JACK) SCHEMATIC DIAGRAM ····· 3-25
	• IFX-52 (CN) SCHEMATIC DIAGRAM3-26
4.	ELECTRICAL ADJUSTMENT4-1
5.	REPAIR PARTS LIST
5-1.	EXPLODED VIEWS5-1
5-2	FI FCTRICAL PARTS LIST5-2

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS 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.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE \(\triangle \) SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

Table of contents

Locating the parts and controls 1-1 Overview 1-2

Checking the supplied parts and accessories 1-3

Duplicating analog video to digital video 1-3

Connecting an analog video unit and a DV unit via the media converter 1-3

Duplicating analog video to digital video 1-4

Duplicating digital video to analog video 1-4

Viewing digital video on your TV 1-5

Connecting a DV unit and a TV via the media converter 1-5

Viewing digital video on your TV 1-5

Playing back the audio while changing the mixing rate 1-5

Capturing images from an analog video unit using a PC 1-6

Connecting a PC and an analog video unit via the media converter 1-6

Capturing images from an analog video unit using a PC 1-6

Recording analog video from a PC 1-6 Precautions 1-7

Technical information 1-8

Signal flows 1-8

Output/input of analog video signals 1-8

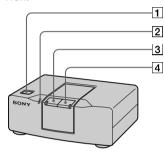
Copyright precautions 1-8

DV recording format 1-9

12-bit/16-bit audio modes 1-9

Locating the parts and controls

Front



1 POWER button

Turns on/off the media converter.

2 PROTECT indicator

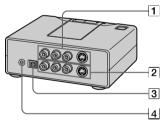
Lights when the input picture includes a copy protection signal. You cannot record the signal when this

indicator is lit.

3 ANALOG IN key and indicator Select the signal input from the AUDIO/VIDEO/S-VIDEO IN as the input signal to the media converter.

4 DV IN key and indicator Select the signal input from the DV IN/ OUT as the input signal to the media

Rear



1 AUDIO/VIDEO/S-VIDEO IN

connectors Connect to the analog video unit. When you connect both the S-VIDEO IN and VIDEO IN connectors, the Svideo signal is automatically selected.

When connecting to VIDEO IN connectors only, no signals are output from the S-VIDEO OUT connector.

2 AUDIO/VIDEO/S-VIDEO OUT connectors

Connect to the analog video unit or TV.

3 DV IN/OUT connector Connect to the DV unit.

4 DC IN 6V connector Connect to the supplied AC power adapter.

This section is extracted from instruction manual (3-864-717-11).

DVMC-DA1

23^{-US}

GENERAL

Overview

The DVMC-DA1 is a media converter unit which converts analog video signals to digital video signals and vice versa.

Converting pictures and sound from 8 mm/VHS format to DV format and vice versa (pages 8 - 10)

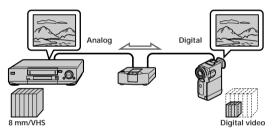
You can convert analog video on Hi8, 8 mm, or VHS format cassettes to digital video (DV) by connecting both analog and digital video units via the media converter. MPEG data cannot be converted as a digital signal.

Since pictures and sound are recorded on the DV unit in digital format, little or no picture and sound quality are lost.

You can also convert digital video to analog video.

Note

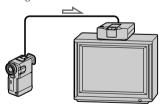
You cannot record video which includes copyright protection signals.



Viewing pictures from the DV unit (page 11, 12)

You can enjoy high quality digital video when you connect a DV unit to a TV via the media converter using the DV connecting cable.

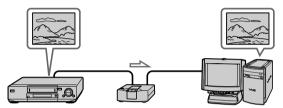
In this case, you do not have to change the connection between your TV and the other analog video unit.



Capturing images from an analog video unit using a PC (page 13, 14)

You can capture images from an analog video unit connected to your PC via the media converter using the DV (i.Link) connector.

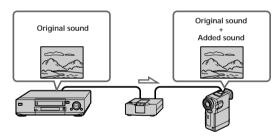
In this case, you can edit a movie or add titles using your PC. You can also print out the captured images using your PC printer instead of a video printer.



Selecting the audio mode when recording to the DV unit (page 9)

You can add messages or background music after recording.

When you record to the DV unit from an analog video unit, you can select 16-bit audio mode for higher quality, or 12-bit audio mode for adding messages or background music (post sound recording).



Listening to the audio with the desired mixing rate (page 12)

When playing back video recorded in 12-bit audio mode on a DV unit via the media converter, you can listen to: the recorded message and/or background music only (post sound recording), the original audio, or the combined audio of both tracks with the desired mixing rate (5 steps).

Checking the supplied parts and accessories

Check to make sure you have received the following items in the carton.

If something is missing, contact your Sony dealer or service facility.

AC power adapter (AC-MZ60A)



DV connecting cable



Audio/video connecting cable



S-video connecting cable



Operating instructions

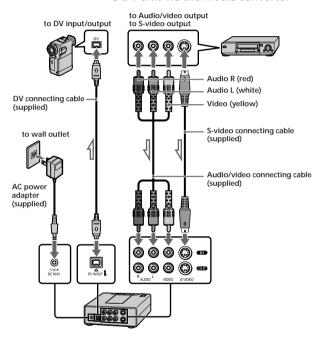
Owner registration card

Warranty card

Important safe guard

Duplicating analog video to digital video

Connecting an analog video unit and a DV unit via the media converter



: Signal flow

4

Note

Depending on the condition of the analog video signal input to the media converter, some DV units may not output the analog video signal correctly when the digital video signal is output from the media converter. The video recorded on the DV unit is not affected. When previewing a recorded VIDEO ,we recommend connecting the input connector of the TV to the VIDEO OUT or S-VIDEO OUT of the media converter.

If you want to convert digital video to analog video

Make the connection as follows:

- Connect the DV output connector of the DV unit to the DV IN/OUT connector of the media converter using the supplied DV connecting cable.
- Connect the input connectors of the analog video unit to the AUDIO/VIDEO OUT connectors of the media converter using the supplied audio/video connecting cable.

Duplicating analog video to digital video

You can convert and record pictures and sound from an analog video unit to a DV unit by connecting both units via the media converter.

- 1 Press POWER to turn on the media converter.
- **2** Press ANALOG IN.
 The key indicator lights up.
- 3 Select the audio mode.

Each time you press and hold ANALOG IN for a few seconds, the audio mode changes as follows. 16-bit mode (high quality sound): The key indicator lights up in red. 12-bit mode (post sound recording): The key

12-bit mode (post sound recording): The key indicator lights up in green.

- 4 Pause playback on the analog video unit slightly ahead of the point from which you want to start recording.
- **5** Pause recording on the DV unit at the point from which you want to start recording.
- 6 Start playback on the analog video unit, then start recording on the DV unit.

The picture and sound played back on the analog video unit are recorded on the DV unit.

continued

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Duplicating analog video to digital video (continued)

Duplicating digital video to analog video

You can convert and record pictures and sound from a DV unit to an analog video unit by connecting both units via the media converter.

- **1** Press POWER to turn on the media converter.
- **2** Press DV IN.

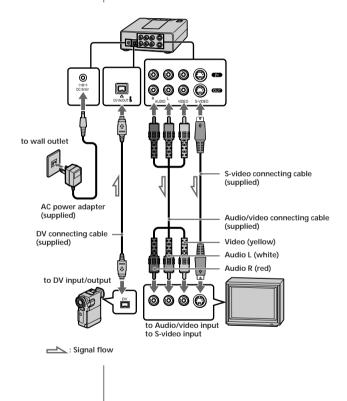
The key indicator lights up.

- 3 Pause playback on the DV unit slightly ahead of the point from which you want to start recording.
- 4 Pause recording on the analog video unit at the point from which you want to start recording.
- **5** Start playback on the DV unit, then start recording on the analog video unit.

The picture and sound played back on the DV unit are recorded on the analog video unit.

Viewing digital video on your TV

Connecting a DV unit and a TV via the media converter



continued

11^{-US}

Viewing digital video on your TV (continued)

Viewing digital video on your TV You can enjoy high quality digital video when you

1 Press POWER to turn on the media converter.

2 Press DV IN.

The key indicator lights up.

3 Start playback on the DV unit.

Pictures played back on the DV unit appear on the

the mixing rate

When playing back video recorded in 12-bit audio mode on a DV unit via the media converter, you can listen to: the recorded message and/or background music only (post sound recording), the original audio, or the combined audio of both tracks with the desired

Press and while holding DV IN, press ANALOG

Each time you press ANALOG IN, the mixing rate changes as follows:

Original audio Added audio

100%	0%
	+
75%	25%
	+
50%	50%
25%	75%
23/0	1370
0%	100%
0,0	

connect the DV unit to the TV via the media converter.

Playing back the audio while changing

mixing rate (5 steps).

Ϋ́ Tip

When connecting the TV

corresponding to the ID-1 system, the TV

automatically turns to wide mode.

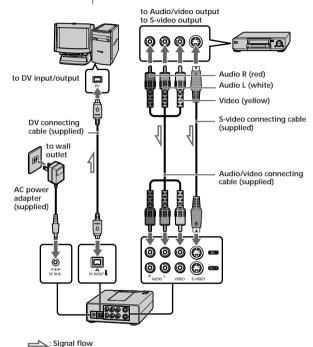
When the power on the media converter is turned off, the mixing rate is reset to the default setting

(original audio: 100%,

added audio: 0%).

Capturing images from an analog video unit using a PC

Connecting a PC and an analog video unit via the media converter



continued

13^{-US}

Capturing images from an analog video unit using a PC (continued)

Ϋ́ Tip

The DV still image capture card kit DVBK-CW200 for PC/AT compatible or DV still image capture board kit DVBK-W2000 for PC/AT compatible/DVBK-M2000 for Macintosh (not supplied) can be used. For details, refer to the operating instructions of DV still image capture card kit or DV still image capture board kit.

If you want to convert digital video to analog video

Make the connection as follows:

- Connect the DV output connector of the PC to the DV IN/OUT connector of the media converter using the supplied DV connecting cable.
- Connect the input connectors of the analog video unit to the AUDIO/VIDEO OUT connectors of the media converter using the supplied audio/video connecting cable.

Capturing images from an analog video unit using a PC

You can capture the images from an analog video unit using a PC which is connected via the media converter.

- 1 Press POWER to turn on the media converter.
- 2 Press ANALOG IN.

The key indicator lights up.

- **3** Start playback on the analog video unit slightly ahead of the point from which you want to start capturing images.
- **4** Start capturing procedures on your PC.

The operation procedures depend on your PC and the software which you use.

For details on how to capture images, refer to the instruction manual of your PC and software.

Recording analog video from a PC

- 1 Press POWER to turn on the media converter.
- 2 Press DV IN.

The key indicator lights up.

- 3 Start recording on the analog video unit.
- 4 Start outputting procedures on your PC.

The operation procedures depend on your PC and the software which you use.

For details on how to output images, refer to the instruction manual of your PC and software.

Precautions

Use

 Operate the product only with the supplied AC power adapter. If you use a different AC power adapter, it may cause a malfunction.



Unified polarity plug

- Should any liquid or solid object fall into the cabinet, unplug the product and have it checked by qualified personnel before operating it further.
- Always turn the product off when you do not use it.
 Unplug the product from the wall outlet if you are not going to use it for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- Do not overload wall outlets, extension cords, or convenience receptacles beyond their capacity, since this can result in fire or electric shock.
- Do not use attachments not recommended by the manufacturer, as they may cause hazards.
- Do not touch the AC power adapter with wet hands. If you fail to observe this, it may cause electric shock.
- Do not drop or give a mechanical shock to the product.

Installation

- To prevent internal heat build-up, do not block the ventilation openings.
- Avoid operating the product at temperatures below 5°C (41°F).
- Do not subject the product to high temperature or direct sunlight. If you do not observe the above instructions, the product may become deformed.
- Do not place the product in locations where it is wet, humid, dusty, smoky, or steamy. Do not use this product near or around water. It may cause fire or electric shock. Especially, do not use the product in the bathroom.
- If the product is transported directly from a cold to a warm location, or if the room temperature has changed suddenly, moisture may condense in the unit. If this happens, let the moisture evaporate before using the product.
- Do not place the product on an unstable cart, stand, table, or shelf. The product may fall, causing serious injury to a child or an adult, and serious damage to the product.
- Do not allow anything to rest on or roll over the power cord, and do not place the product where the power cord is subject to wear or abuse.

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Precautions (continued)

Others

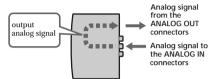
- Unplug the product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
- When the power cord or plug is damaged or frayed.
- If liquid has been spilled into the product.
- If the product has been exposed to rain or water.
- If the product has been subject to excessive shock by being dropped, or the cabinet has been damaged.
- If the product does not operate normally when following the operating instructions. Adjust only those controls that are specified in the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
- When the product exhibits a distinct change in performance — this indicates a need for service.
- Do not disassemble or remodel the product. It may cause fire or electric shock. Have the product checked and repaired at your Sony dealer or local authorized Sony service facility.
- Do not attempt to service the product yourself since opening the cabinet may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- When replacement parts are required, be sure the service technician certifies in writing that he has used replacement parts specified by the manufacturer that have the same characteristics as the original parts.
- Unauthorized substitutions may result in fire, electric shock, or other hazards.
- Upon completion of any service or repairs to the product, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the product is in safe operating condition, and to so certify.
- Unplug the product from the wall outlet before cleaning. Clean the product with a dry, soft cloth, or a soft cloth slightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzine.

Technical information

Signal flows

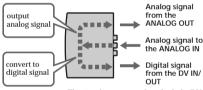
The signal flow of the media converter and the connected unit is illustrated below:

When the media converter is turned off (with the AC power adapter connected)



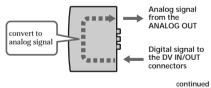
When you connect your TV to a VCR with a TV tuner, you can watch VCR pictures whenever the media converter is not turned on.

When the media converter is turned on (When inputting analog signals)



The signals are output from both the DV IN/OUT and ANALOG OUT connectors.

When the media converter is turned on (When inputting digital signal)



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Technical information (continued)

Output/input of analog video signals

Depending on the connection of VIDEO IN or S-VIDEO connector, the output signal changes as follows.

The input signal is coming from only the VIDEO IN connector

→ The signal is output from the VIDEO OUT connector, but not from the S-VIDEO OUT connector.

The input signal is coming from only the S-VIDEO IN connector

→ The signal is output both from the VIDEO OUT and S-VIDEO OUT connectors.

The input signal is coming from both the VIDEO IN and S-VIDEO IN connectors

→ The signal is output both from the VIDEO OUT and S-VIDEO OUT connectors.

Notes

- When connecting to only the VIDEO IN connector, the signal cannot be output to the S-VIDEO OUT connector.
- When connecting both the S-VIDEO IN and VIDEO IN connectors, the S-video signal is automatically selected for converting the digital video signal regardless signal type.
- For higher quality pictures, we recommend connecting both the S-VIDEO IN and S-VIDEO OUT connectors.

Copyright precautions

On recording

When you play back video which includes copyright protection signals and playback signals are input to the media converter, the PROTECT indicator on the media converter lights up. In this case, You cannot record or capture the video output from the media converter.

ID-2 system

This copyright protection system is used for the analog connection. The ID-2 system is added to the ID-1 system.

CGMS-D system

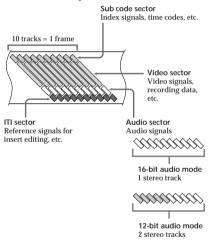
This copyright protection system is used for the digital connection.

Macrovision

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering of disassembly is prohibited.

DV recording format

The following figure shows how the signals are recorded on a DV tape.



continued

Technical information (continued)

12-bit/16-bit audio modes

16-bit mode

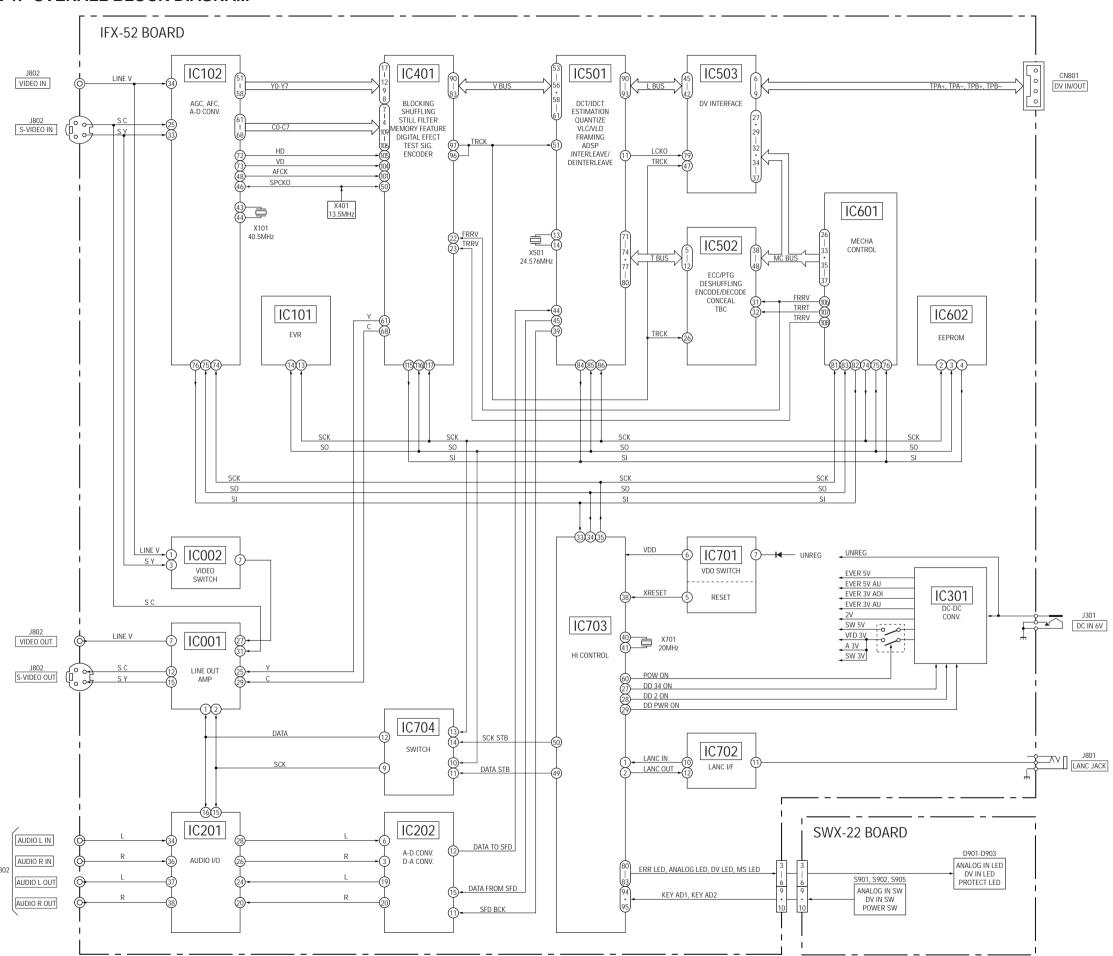
The 16-bit mode uses the whole audio area to record one stereo track. You can record the original audio with high quality in this mode. This mode uses 48 kHz sampling frequencies.

12-bit mode

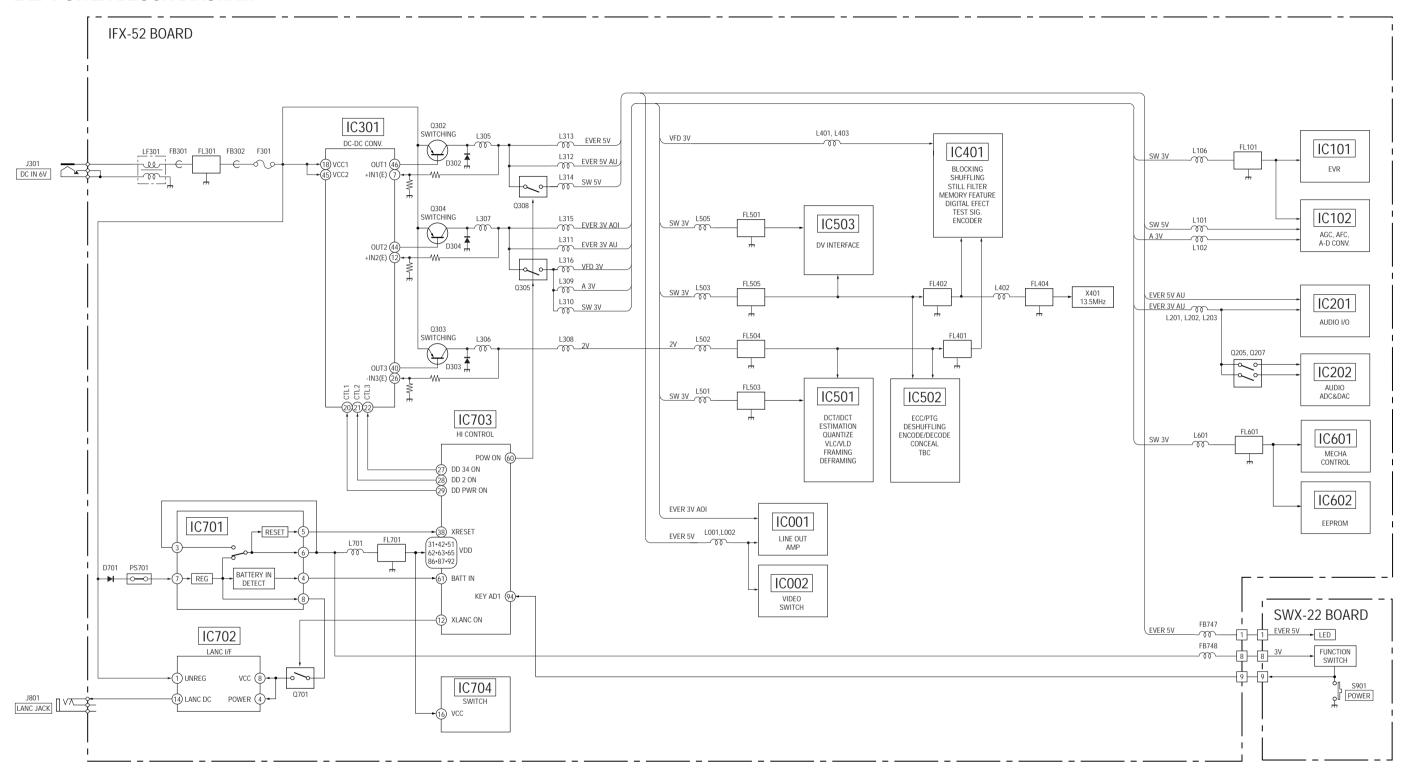
The 12-bit mode consists of two separate stereo tracks – Stereo 1 and 2. You can add messages or background music separately to the recorded picture in this mode. This mode uses 32 kHz sampling frequencies.

SECTION 2 BLOCK DIAGRAMS

2-1. OVERALL BLOCK DIAGRAM



2-2. POWER BLOCK DIAGRAM



2-3 2-4E

SECTION 3 PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR WIRING BOARDS AND SCHEMATIC DIAGRAMS

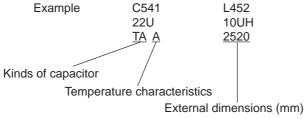
(In addition to this, the necessary note is printed in each block)

(For printed wiring boards)

- Example 2 Pattern from the side which enables seeing. (The other layers' patterns are not indicated.)
- Through hole is omitted.
- · Circled numbers refer to waveforms.
- There are few cases that the part printed on diagram isn't mounted in this model.
- Chip parts.

(For schematic diagrams)

- All capacitors are in μF unless otherwise noted. pF : μ μF . 50V or less are not indicated except for electrolytics and tantalums.
- Chip resistors are 1/10W unless otherwise noted. $k\Omega$ =1000 Ω , $M\Omega$ =1000 $k\Omega$.
- Caution when replacing chip parts.
 New parts must be attached after removal of chip.
 Be careful not to heat the minus side of tantalum capacitor, Because it is damaged by the heat.
- Some chip part will be indicated as follows.



- Constants of resistors, capacitors, ICs and etc with XX indicate that they are not used.
 - In such cases, the unused circuits may be indicated.
- Parts with ★ differ according to the model/destination. Refer to the mount table for each function.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Signal name

 $XEDIT \rightarrow EDIT$ $PB/XREC \rightarrow PB/\overline{REC}$

- ----: non flammable resistor
- fusible resistor
- ____: panel designation
- ===: B+ Line *
- **---**: B- Line *
- IN/OUT direction of (+,-) B LINE. *
- adjustment for repair. *
- Circled numbers refer to waveforms. *
- * Indicated by the color red.

Note:

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.

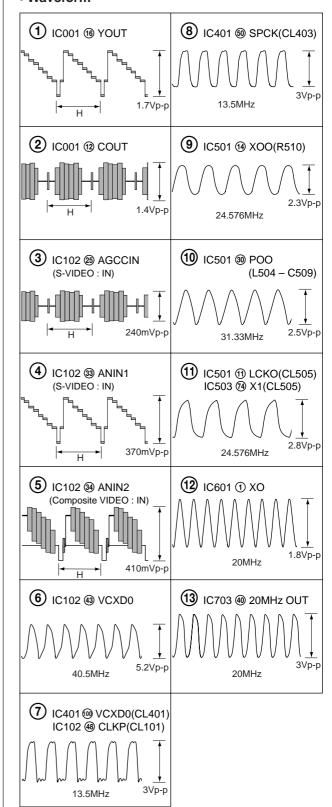
Replace only with part number specified.

Note:

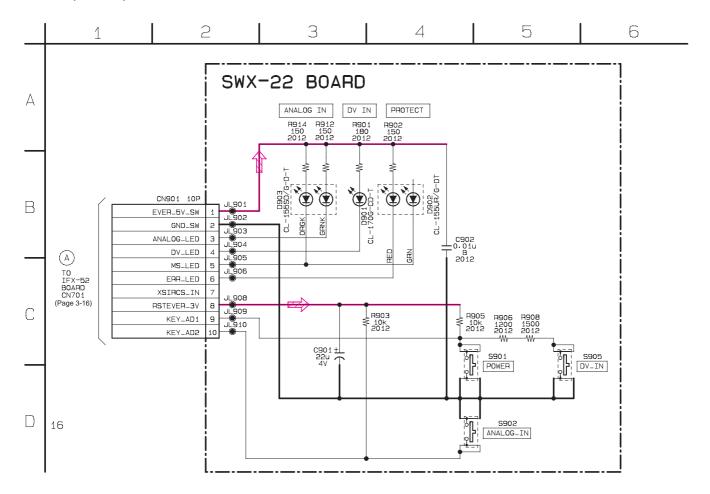
Les composants identifiés par une marque \triangle sont critiques pour la sécurité.

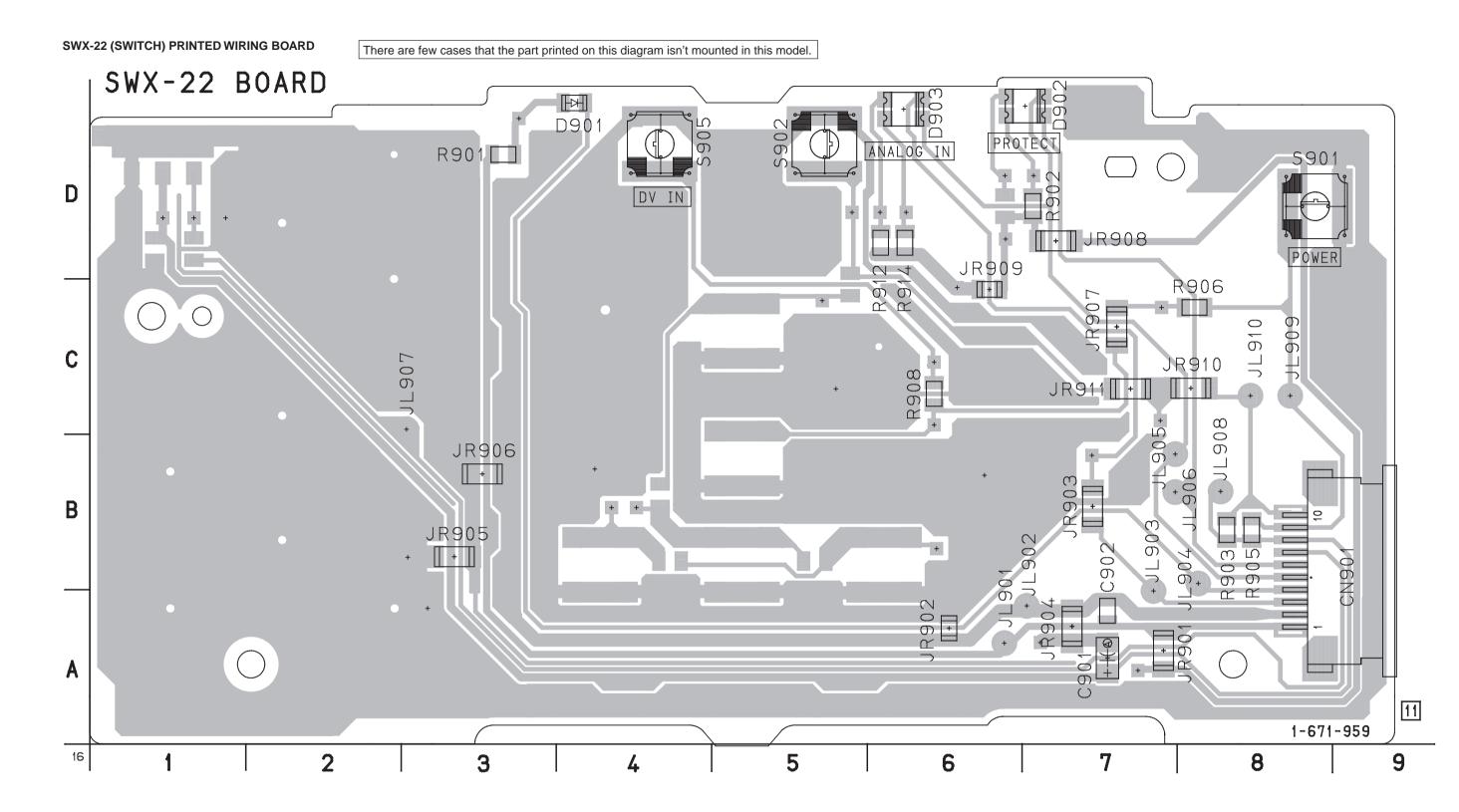
Ne les remplacer que par une pièce portant le numéro spécifié.

Waveform



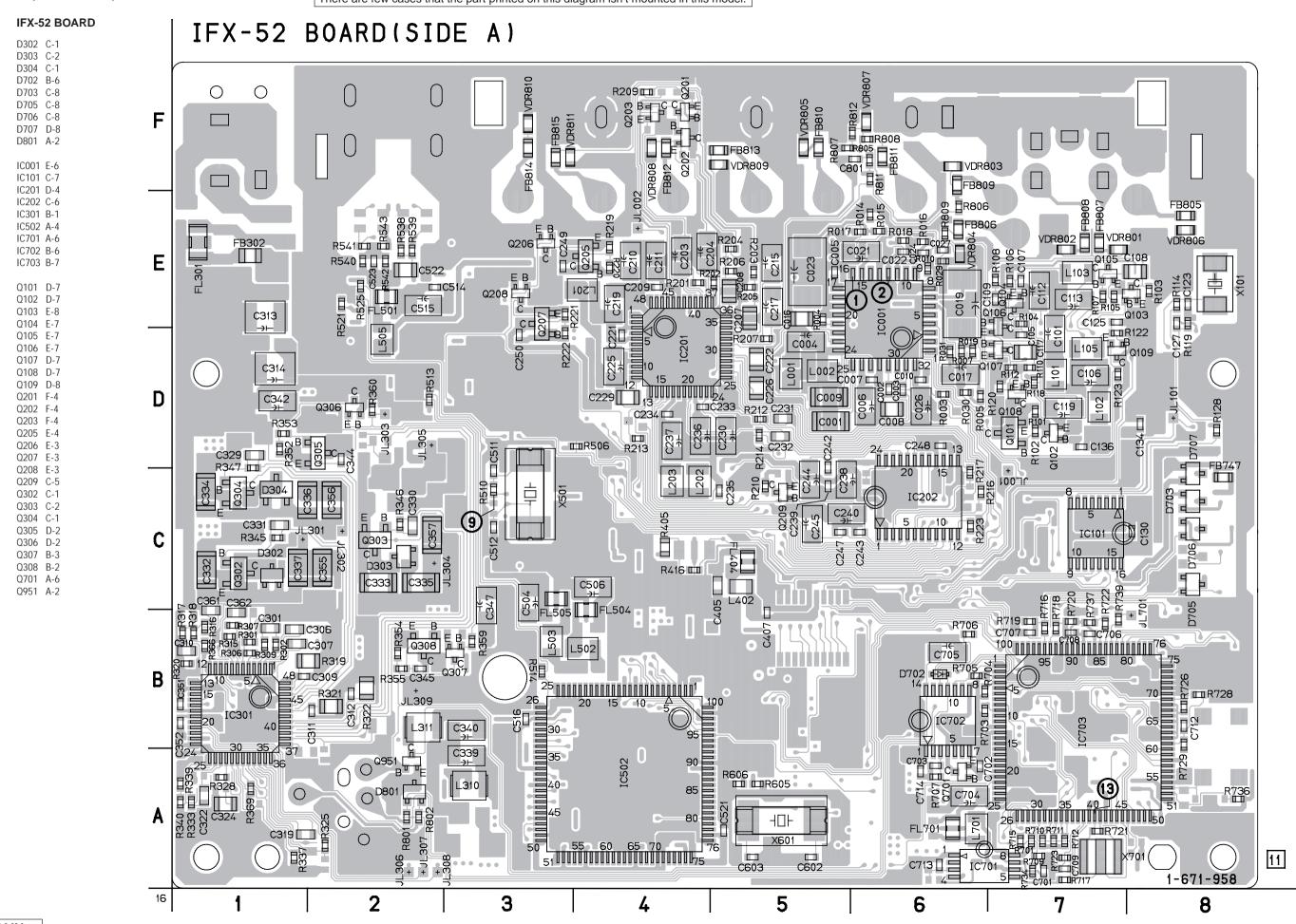
SWX-22 (SWITCH) SCHEMATIC DIAGRAM





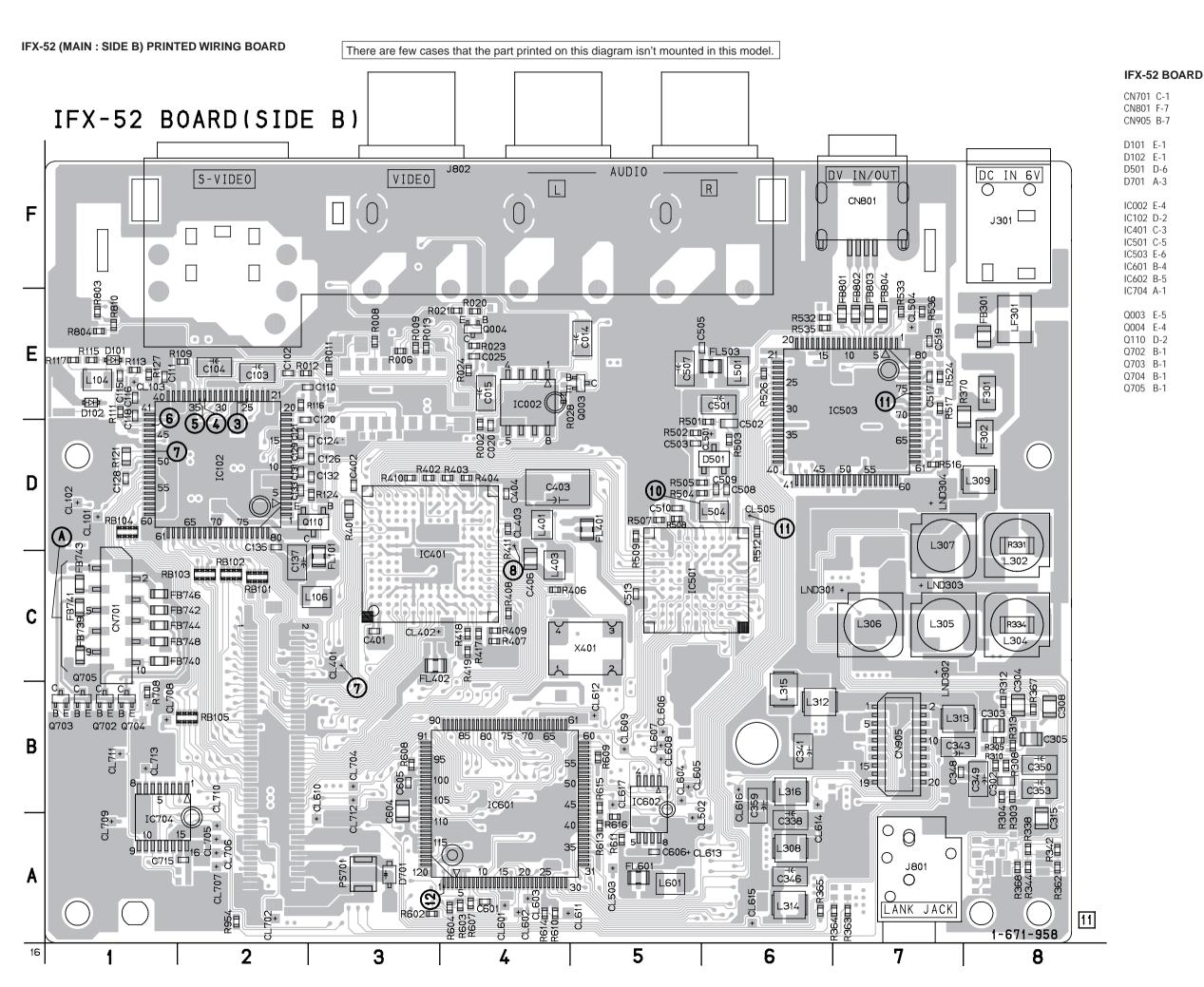
IFX-52 (MAIN: SIDE A) PRINTED WIRING BOARD

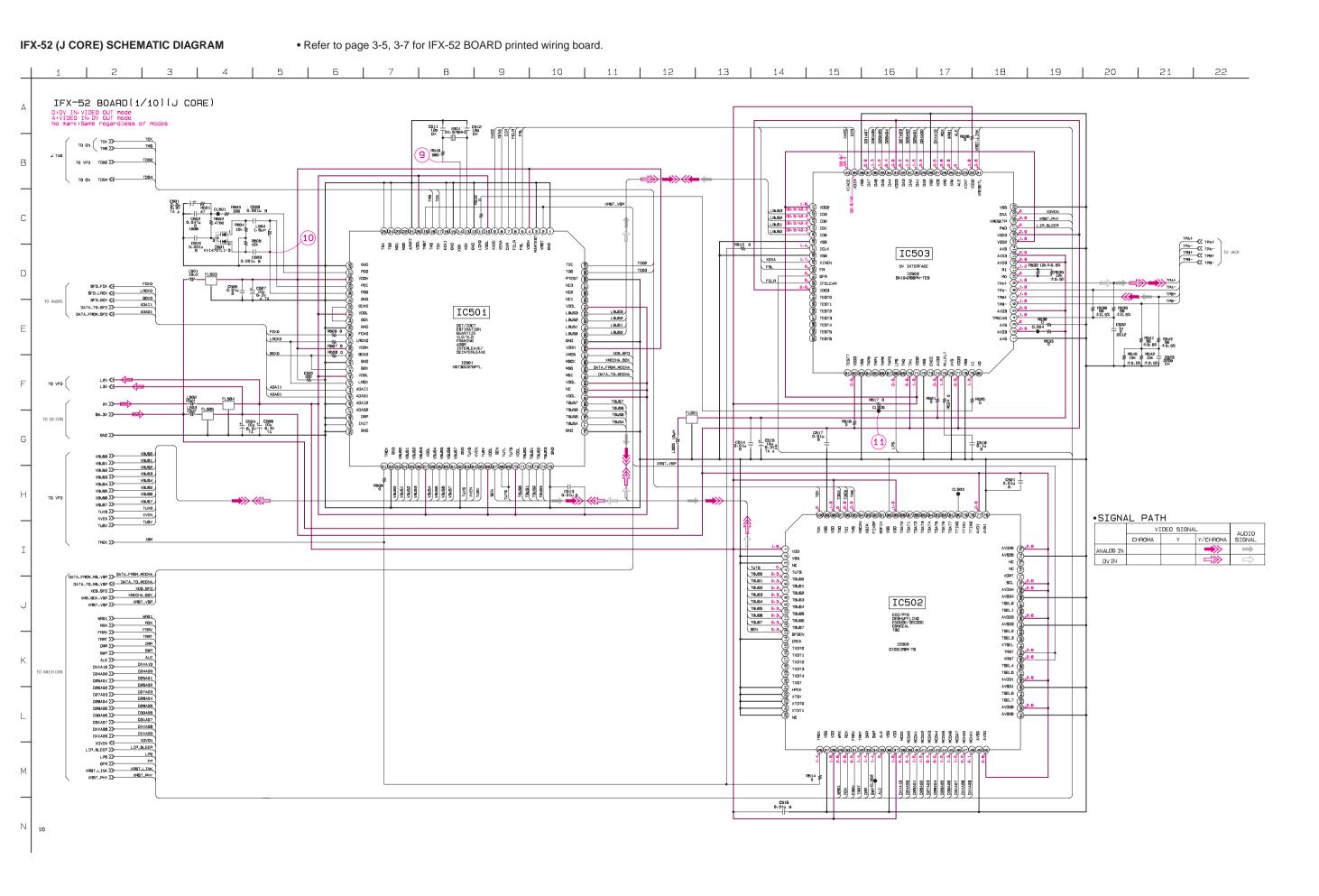
There are few cases that the part printed on this diagram isn't mounted in this model.



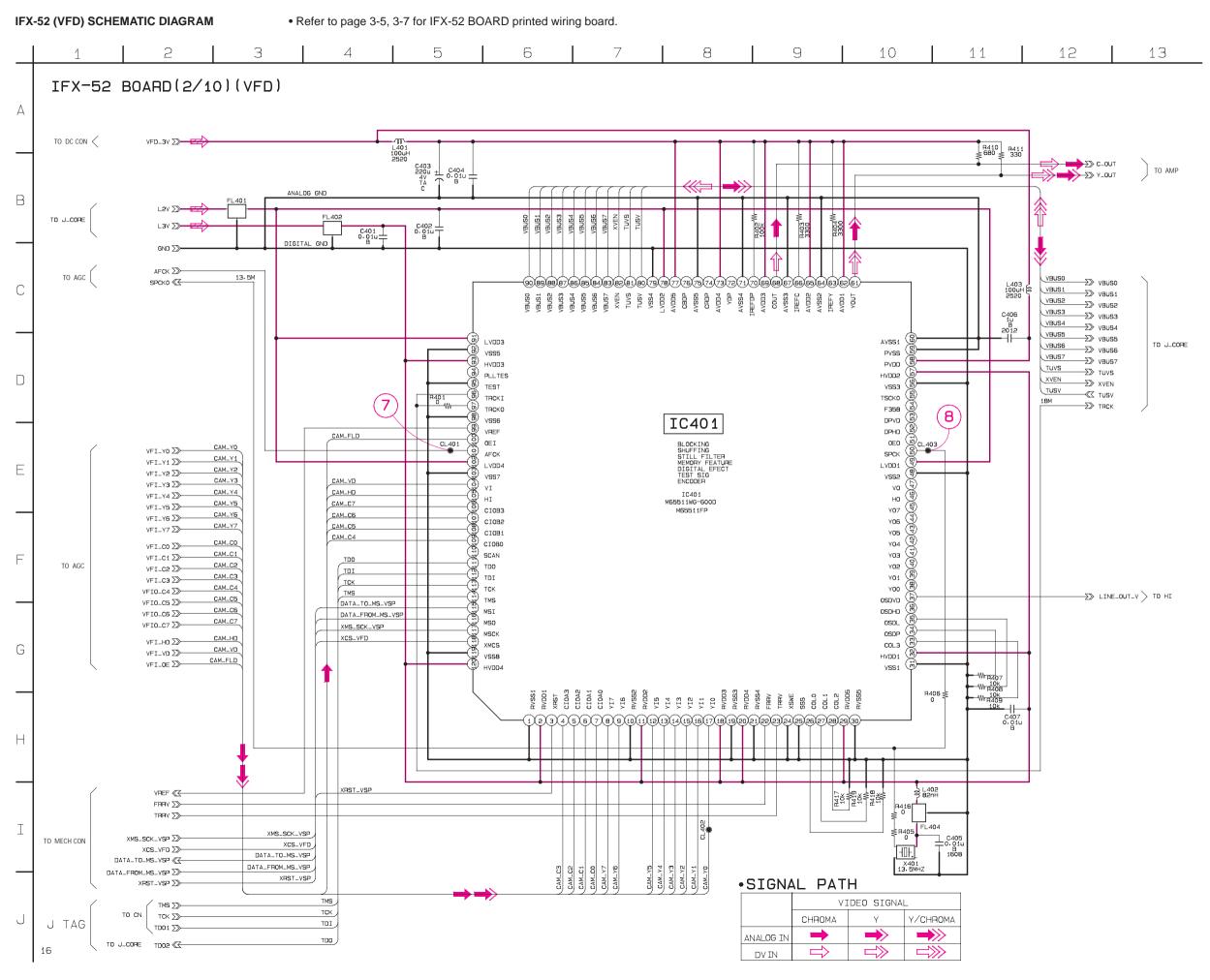
3-6

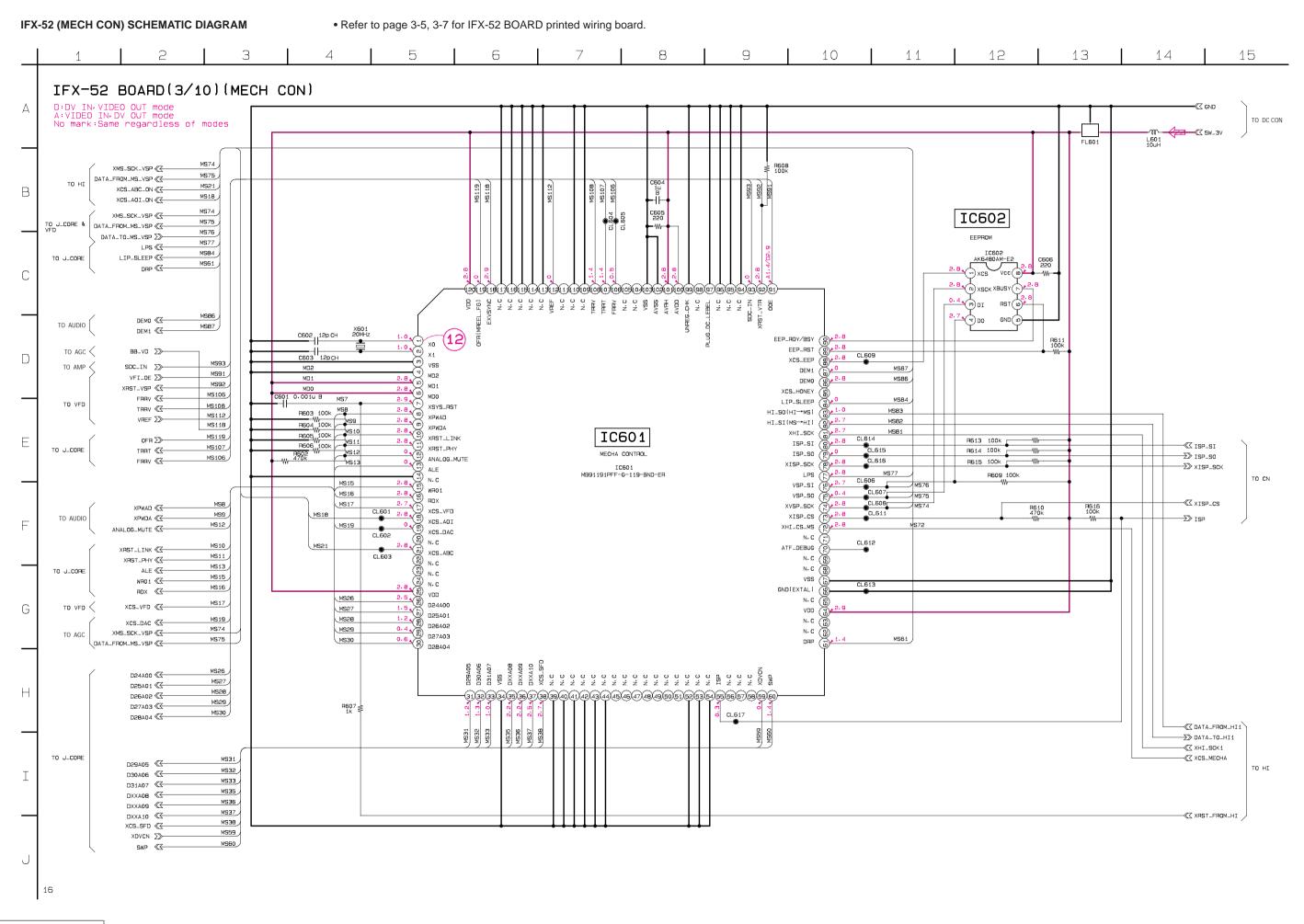
MAIN IFX-52





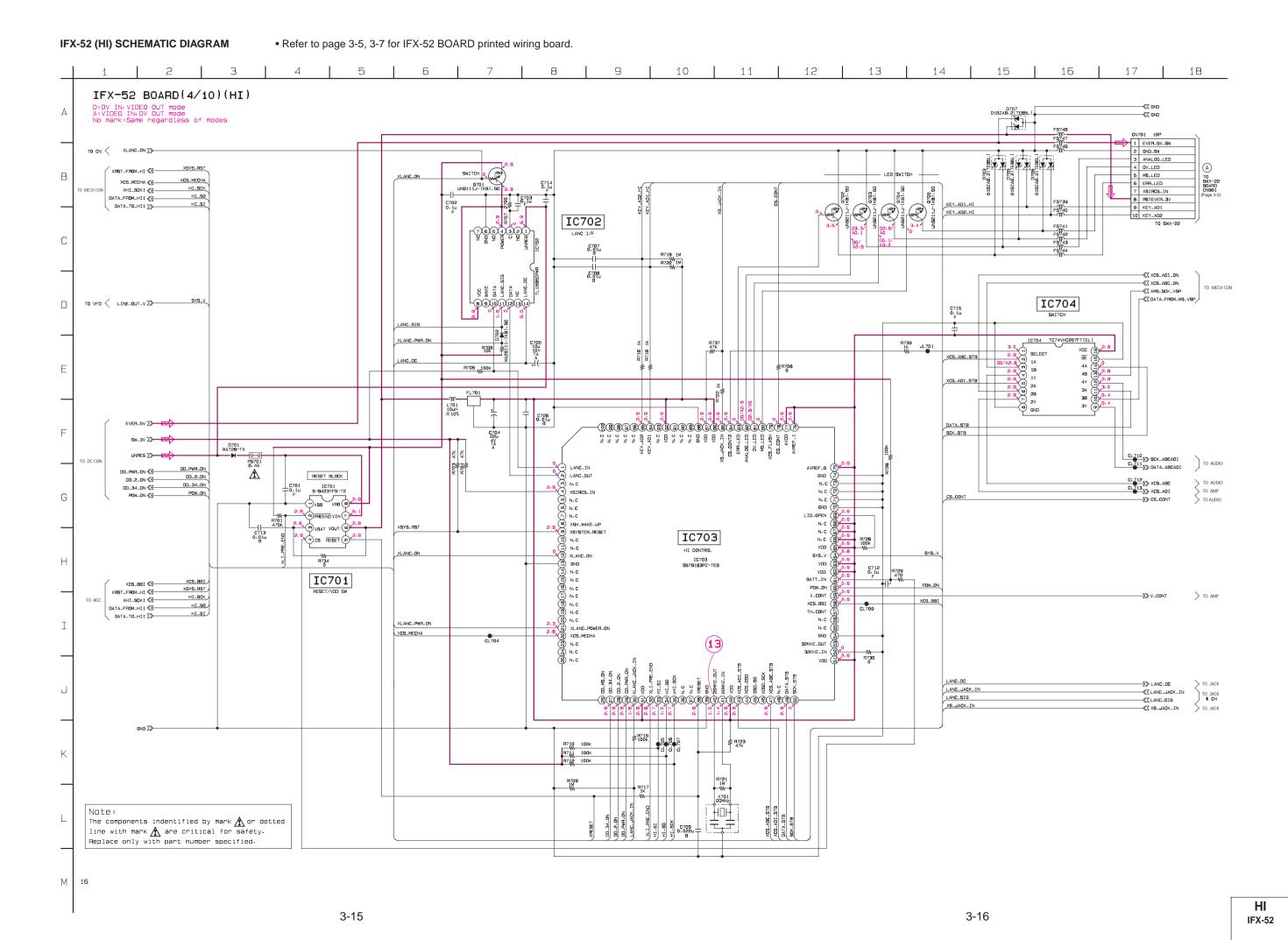
J CORE IFX-52

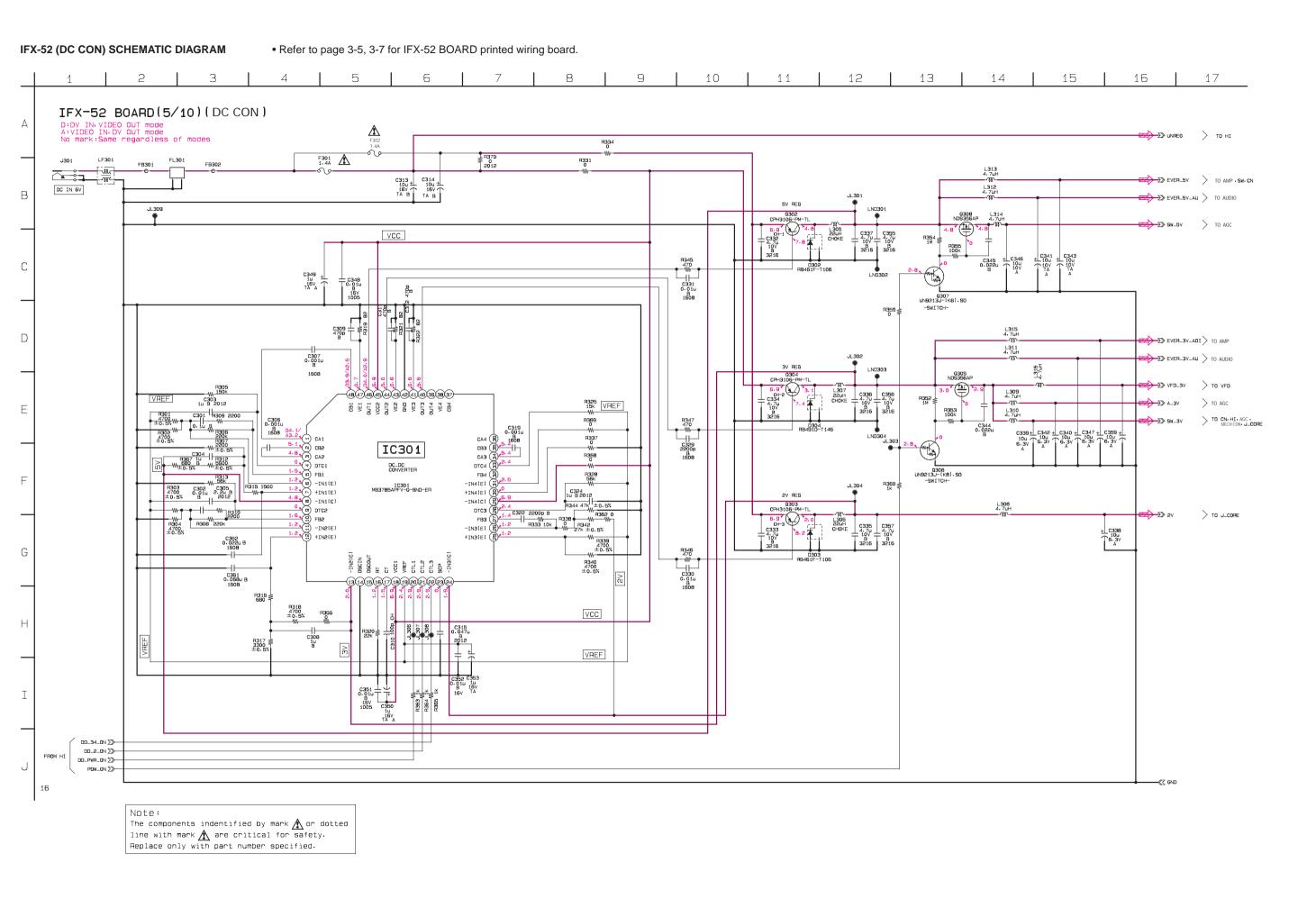




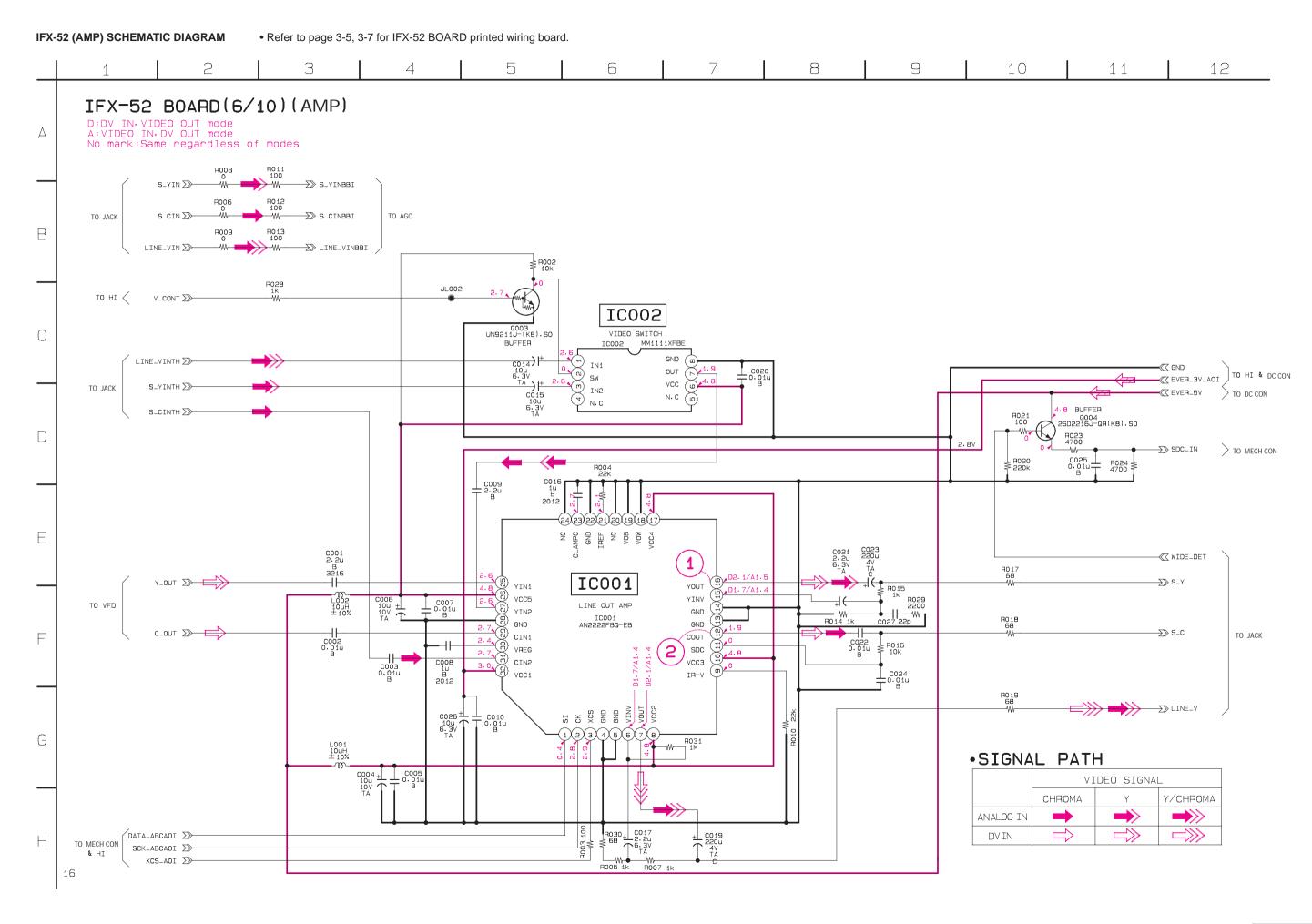
MECH CON IFX-52

3-13



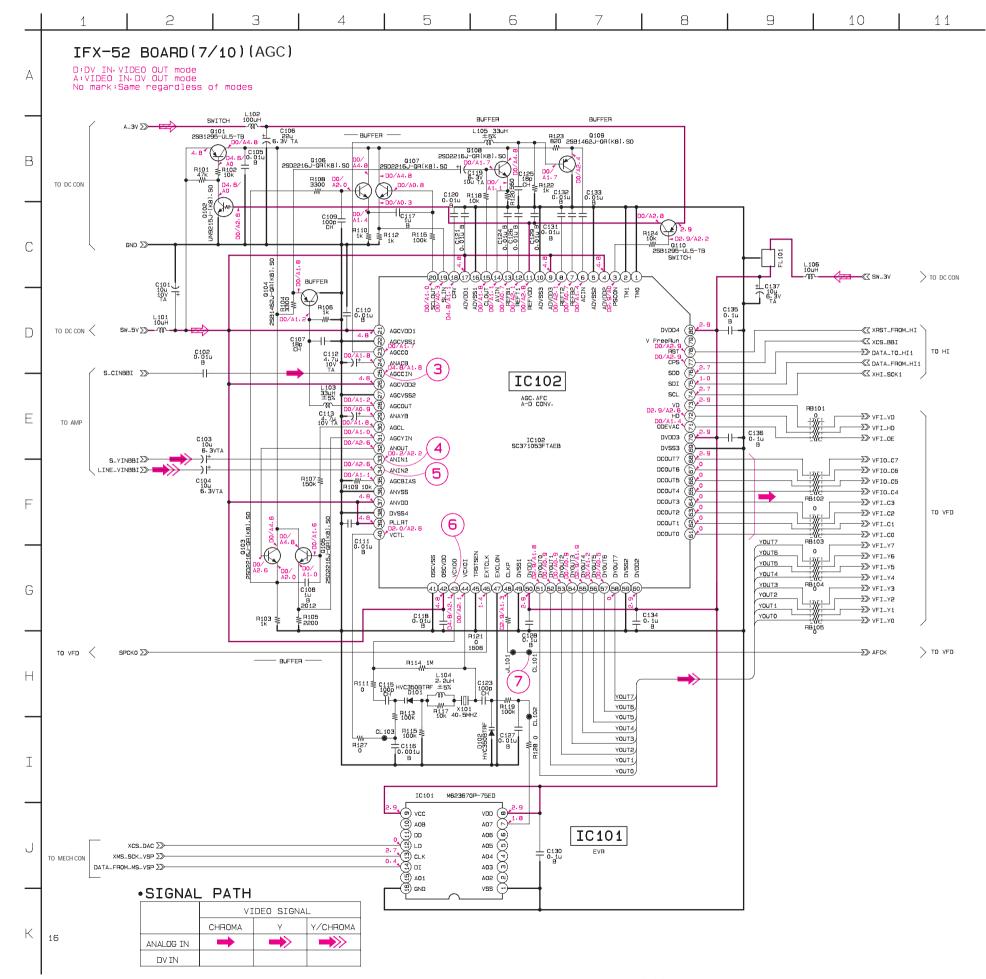


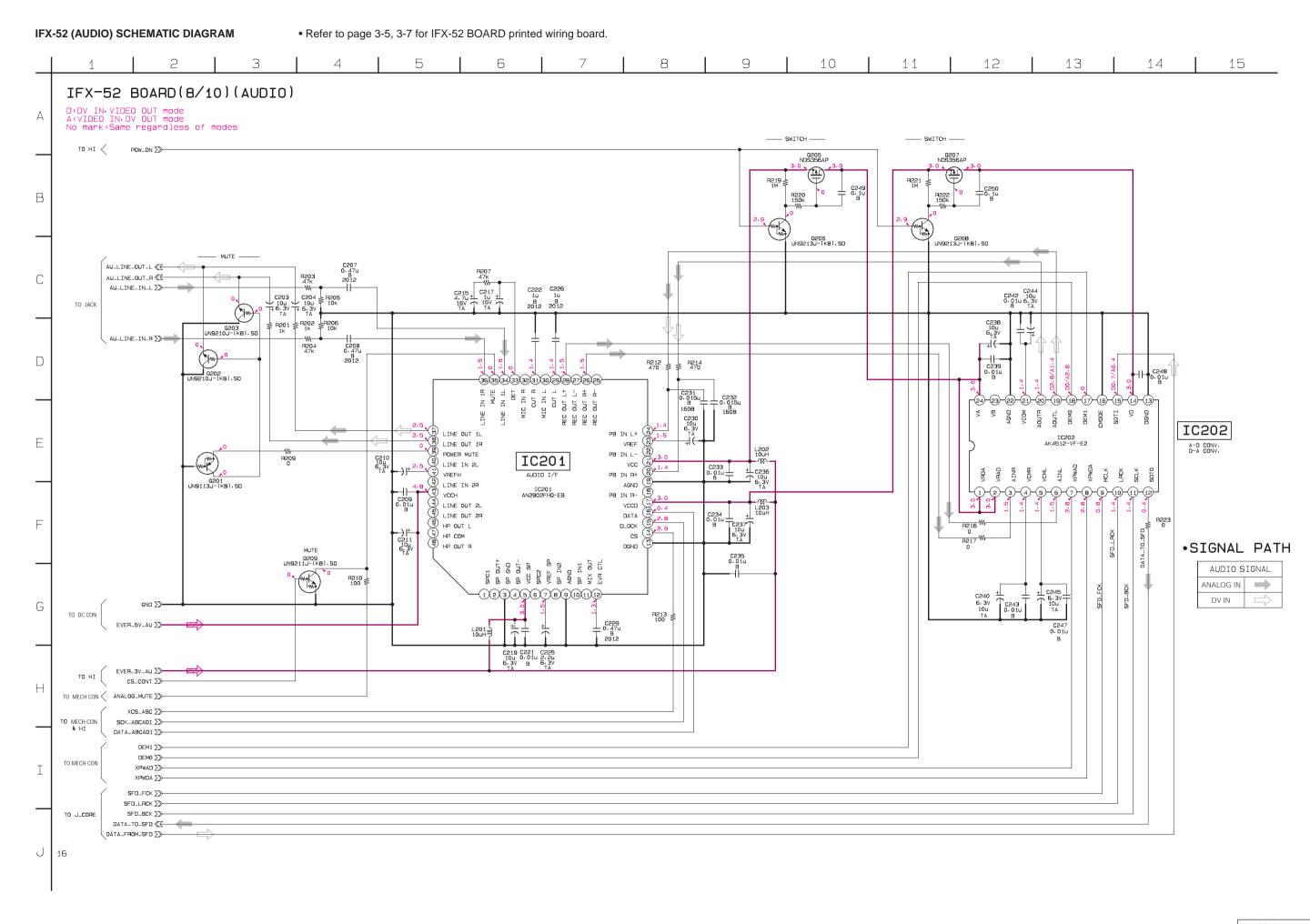
DC CON IFX-52



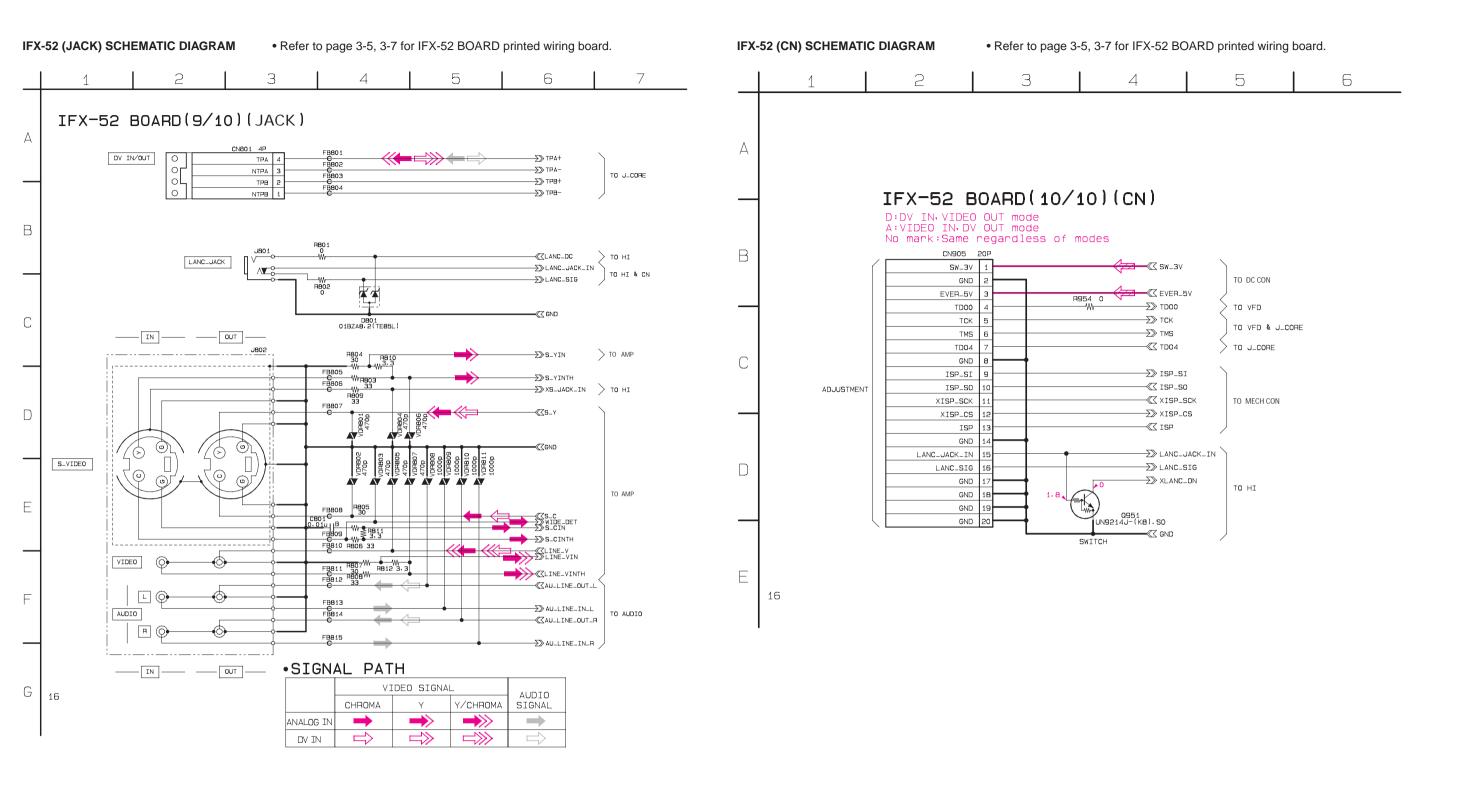
AMP IFX-52 **IFX-52 (AGC) SCHEMATIC DIAGRAM**

• Refer to page 3-5, 3-7 for IFX-52 BOARD printed wiring board.





AUDIO IFX-52



JACK/CN IFX-52

SECTION 4 ADJUSTMENTS

4-1. PREPARATIONS BEFORE ADJUSTMENTS

Use the following measuring instruments for video section adjustment.

1. Equipment Required

- 1) TV monitor
- Oscilloscope (dual-trace, band width of 30 MHz more with delay mode) (Unless otherwise specified, use a 10:1 probe.)
- 3) Pattern generator with video output terminal.
- 4) Regulated power supply
- 5) Adjustment remote commander (J-6082-053-B)

2. Removing Cabinets and Connections

- Remove the four screws from the bottom panel and remove the cabinet (upper) block assembly.
- Remove the flexible wiring board that is connected to CN701 of the IFX-52 board.
- Remove the two screws $(B3 \times 10)$ from the rear panel and two screws $(M2 \times 6)$ securing the shield plate. Remove the cabinet (lower) assembly and the shield (upper).
- Remove the four screws (2 × 8) securing the IFX-52 board, and remove the IFX-52 board.
- 5) Connect the measuring instruments as shown in Fig. 4-1.

3. Checking the Input Signals

The video signal that is supplied from the pattern generator is used as the adjustment signal of the video section. Therefore, the video output signal must satisfy the given specifications.

Connect an oscilloscope to the video terminal of the AUDIO/VIDEO jack, and check that the sync signal amplitude of the video signal is approximately 0.286V, the amplitude of the video section is approximately 0.714V, the amplitude of the burst signal is approximately 0.286V and flat, and that the "red" amplitude of the chroma signal is approximately 0.67V.

The video signal used for adjusting the video section is shown in Fig. 4-2.

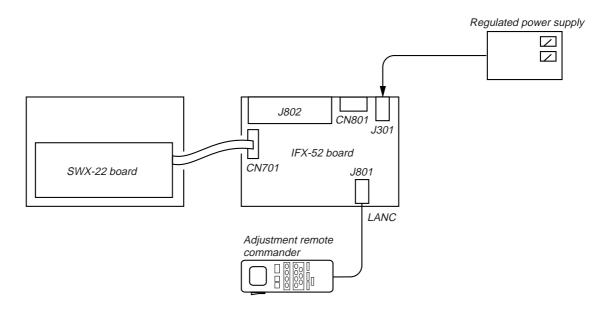


Fig. 4-1

Fig.4-2 shows the 75% color bar signals recorded on the alignment tape for Audio Operation Check.

Note: Measure with video terminal (Terminated at 75 Ω)

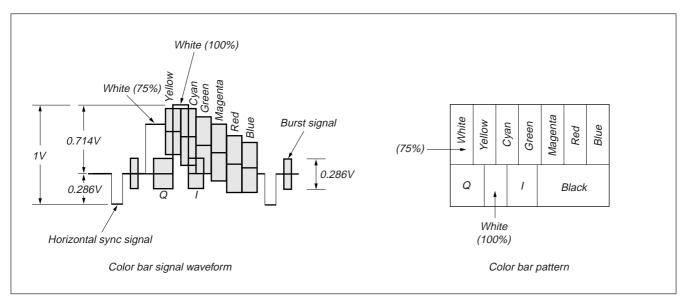


Fig. 4-2

4. Input/Output Level and Impedance

Video input Video output
Pin jack Pin ja

Pin jack Pin jack Video signal: 1Vp-p, $75\,\Omega$ unbalanced, Output signal: 1Vp-p, 75Ω unbalanced, sync

sync negative negative

S video input S video output
4-pin mini DIN
4-pin mini DIN

Luminance signal: 1Vp-p, 75Ω unbalanced, 1Vp-p, 75Ω unbalanced, sync

sync negative negative

Chrominance signal: $0.286\,\mathrm{Vp}$ -p, $75\,\Omega$ unbalanced Chrominance signal: $0.286\,\mathrm{Vp}$ -p, $75\,\Omega$ unbalanced, sync

negative Audio input Audio output

Pin jack Pin jack

Input level: $327 \,\mathrm{mV}$ Output level: $327 \,\mathrm{mV}$ (across 47Ω load)

Input impedance: $47k\Omega$ or more Output impedance: $10k\Omega$ or less

4-2. INITIALIZATION OF C PAGE DATA

1. Initializing the C Page Data

Note: If the page C data is initialized, the following adjustments must be performed again.

Modification of C page data
 Be sure to read all of the "Fixed data-2" and take note of them before starting initialization. After the C page data is initialized, be sure to input the same data that has been noted before.
 (Refer to Table 4-1.)

2) Video system adjustment

Adjusting page	С
Adjusting Address	00 to DF

Initializing Method:

- 1) Select page: 0, address: 01, and set data: 01.
- Select page: 3, address: 80, set data: 0C, and press the PAUSE button of the adjustment remote commander.
- 3) Check that the data of page: 3, address: 80 is changed to "1C".
- 4) Perform "Modification of C Page Data".

2. Modification of C Page Data

If the C Page data has been initialized, change the data of the "Fixed data-2" address shown in the following table by manual input.

Modifying Method:

- 1) Before changing the data, select page: 0, address: 01, and set data: 01.
- 2) New data for changing are not shown in the tables because they are different depending on destination. When you want to change the data, copy the data built in the same set of the same destiration.

Note: If the different set is copied, the camcorder may not operate.

- To chang the data, press the PAUSE button of the adjustment remote commander each time when setting new data to write the data in the non-volatile memory.
- Check that the data of adjustment addresses is the initial value.
 If not, change the data to the initial value.

Processing after Completing Modification of C Page data

- 1) Select page: 2, address: 00, and set data: 29.
- Select page: 2, address: 01, and set data: 29, and press the PAUSE button of the adjustment remote commander.

3. C Page Table

Note: Fixed data-1 : Initialized data. (Refer to "1. Initializing the C Page Data".)

Fixed data-2: Modified data. (Refer to "2. Modification of C PAGE Data").

Address	Initial value	Remark
00 to 24		Fixed data-1 (Initialized data)
25	88	S VIDEO output Y level adj.
26	E3	S VIDEO output Cr level adj.
27	A1	S VIDEO output Cb level adj.
28 to 2A		Fixed data-1 (Initialized data)
2B	04	Chroma BPF fo adj.
2C to 30		Fixed data-1 (Initialized data)
31 to 33		Fixed data-2
34 to 55		Fixed data-1 (Initialized data)
56		Fixed data-2
57 to 7D		Fixed data-1 (Initialized data)
7E to 7F		Fixed data-2
80 to A9		Fixed data-1 (Initialized data)
AA	80	PLL adj.
AB to DF		Fixed data-1 (Initialized data)
E0 to FF		

Table, 4-1

4-3. INITIALIZATION OF D PAGE DATA

1. Initializing the D Page Data

Note: If the page D data is initialized, the following adjustments must be performed again.

Modification of D page data
 Be sure to read all of the "Fixed data-2" and take note of them before starting initialization. After the C page data is initialized, be sure to input the same data that has been noted before. (Refer to Table 4-2.)

Adjusting page	С
Adjusting Address	00 to 8F

Initializing Method:

- 1) Select page: 0, address: 01, and set data: 01.
- Select page: 3, address: 80, set data: 0D, and press the PAUSE button of the adjustment remote commander.
- 3) Check that the data of page: 3, address: 80 is changed to "1D".
- 4) Perform "Modification of D Page Data".

2. Modification of D Page Data

If the D Page data has been initialized, change the data of the "Fixed data-2" address shown in the following table by manual input.

Modifying Method:

- Before changing the data, select page: 0, address: 01, and set data: 01.
- 2) New data for changing are not shown in the tables because they are different depending on destination. When you want to change the data, copy the data built in the same set of the same destiration.

Note: If the different set is copied, the camcorder may not operate.

- To chang the data, press the PAUSE button of the adjustment remote commander each time when setting new data to write the data in the non-volatile memory.
- Check that the data of adjustment addresses is the initial value.
 If not, change the data to the initial value.

Processing after Completing Modification of C Page data

- 1) Select page: 2, address: 00, and set data: 29.
- Select page: 2, address: 01, and set data: 29, and press the PAUSE button of the adjustment remote commander.

3. D Page Table

Note: Fixed data-1 : Initialized data. (Refer to "1. Initializing the D Page Data".)

Fixed data-2: Modified data. (Refer to "2. Modification of D PAGE Data")

Address	Initial value	Remark
00 to 63		Fixed data-1 (Initialized data)
64, 65		Fixed data-2
66 to 7B		Fixed data-1 (Initialized data)
7C to 7D		Fixed data-2
7E to 8F		Fixed data-1 (Initialized data)
90 to FF		

Table. 4-2

4-4. VIDEO SYSTEM ADJUSTMENTS

Connection of Video System Measuring Instruments

Connect the video system measuring instruments as shown in Fig. 4-3

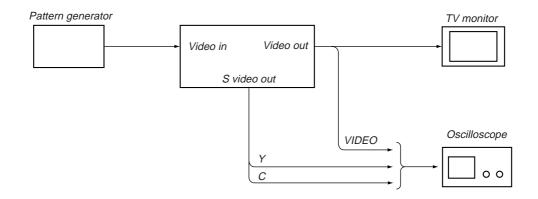


Fig. 4-3

1. Chroma BPF fo Adjustment

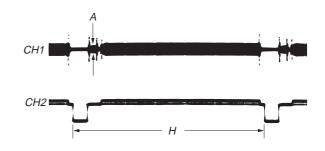
Set the center frequency of IC001 chroma band-pass filter.

Mode	Digital EE
Signal	No signal
Measurement Point	CH1: Chroma signal terminal of S VIDEO jack (75 Ω terminated) CH2: Y signal terminal of S VIDEO jack (75 Ω terminated)
Measuring Instrument	Oscilloscope
Adjustment Page	С
Adjustment Address	2B
Specified Value	A = 100mVp-p or less B = 200mVp-p or more

Adjusting method:

- 1) Select page: 0, address: 01, and set data: 01.
- 2) Select page: C, address: 56, set data: 00, and press the PAUSE button of the adjustment remote commander. (digital EE mode)
- 3) Check that the burst signal (B) is output to the chroma signal terminal.
- 4) Select page: 3, address: 0C, set data: 04, and press the PAUSE button of the adjustment remote commander.
- Select page: C, address: 2B, and change the data (in the range of 00 to 07) for minimum amplitude of the burst signal level (A).
- 6) Press the PAUSE button of the adjustment remote commander.
- Select page: 3, address: 0C, set data: 00, and press the PAUSE button of the adjustment remote commander.
- 8) Check that the burst signal level (B) is satisfied the specified value.
- 9) Select page: C, address: 56, set data: 08, and press the PAUSE button of the adjustment remote commander.
- 10) Select page: 0, address: 01, and set data: 00.

When the page: 3, address: 0C data is 04:



When the page: 3, address: 0C data 00.

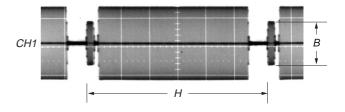


Fig. 4-4

2. S-VIDEO OUT Y Level Adjustment

Mode	VTR, Digital EE					
Signal	No signal					
Measurement Point	Y signal terminal of S VIDEO jack (75 Ω terminated)					
Measuring Instrument	Oscilloscope					
Adjustment Page	С					
Adjustment Address	25					
Specified Value	$A = 1000 \pm 14 \text{mVp-p}$					

Adjusting method:

- 1) Select page: 0, address: 01, and set data: 01.
- Select page: C, address: 48, set data: 06, and press the PAUSE button of the adjustment remote commander. (VTR mode)
- 3) Select page: C, address: 56, set data: 00, and press the PAUSE button of the adjustment remote commander. (digital EE mode)
- 4) Select page: 2, address: 35. After note down the data of this address, set data: 01 to the address.
- 5) Select page: 3, address: 0C, set data: 02, and press the PAUSE button of the adjustment remote commander.
- 6) Select page: C, address: 25, change the data and set the Y signal level (A) to the specified value.
- 7) Press the PAUSE button of the adjustment remote commander.
- 8) Select page: 3, address: 0C, set data: 00, and press the PAUSE button of the adjustment remote commander.
- 9) Select page: 2, address: 35. and set the data that is noted down at step 4).
- Select page: C, address: 48, set data: 00, and press the PAUSE button of the adjustment remote commander.
- 11) Select page: C, address: 56, set data: 08, and press the PAUSE button of the adjustment remote commander.
- 12) Select page: 0, address: 01, and set data: 00.

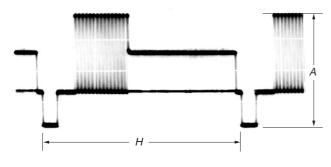


Fig. 4-5

3. S-VIDEO OUT Cr, Cb Level Adjustment

Mode	VTR, Digital EE						
Signal	No signal						
Measurement Point	Chroma signal terminal of S VIDEO jack (75 Ω terminated) External trigger: Y signal terminal of S VIDEO jack						
Measuring Instrument	Oscilloscope						
Adjustment Page	С						
Adjustment Address	26, 27						
Specified Value	Cr level: $A = 714 \pm 14 \text{mVp-p}$ Cb level: $B = 714 \pm 14 \text{mVp-p}$ Burst level: $C = 286 \pm 16 \text{mVp-p}$						

Adjusting method:

- 1) Select page: 0, address: 01, and set data: 01.
- Select page: C, address: 48, set data: 06, and press the PAUSE button of the adjustment remote commander. (VTR mode)
- 3) Select page: C, address: 56, set data: 00, and press the PAUSE button of the adjustment remote commander. (digital EE mode)
- 4) Select page: 2, address: 35. After note down the data of this address, set data: 01 to the address.
- Select page: 3, address: 0C, set data: 02, and press the PAUSE button of the adjustment remote commander.
- 6) Select page: C, address: 26, change the data to adjust the Cr signal level (A) to the specified value.
- 7) Press the PAUSE button of the adjustment remote commander.
- 8) Select page: C, address: 27, change the data to adjust the Cb signal level (B) to the specified value.
- 9) Press the PAUSE button of the adjustment remote commander.
- 10) Check that the burst signal level (C) is satisfied the specified value.
- 11) Select page: 3, address: 0C, set data: 00, and press the PAUSE button of the adjustment remote commander.
- 12) Select page: 2, address: 35, and set the data that is noted down at step 4).
- 13) Select page: C, address: 48, set data: 00, and press the PAUSE button of the adjustment remote commander.
- 14) Select page: C, address: 56, set data: 08, and press the PAUSE button of the adjustment remote commander.
- 15) Select page: 0, address: 01, and set data: 00.

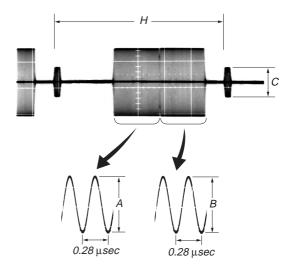


Fig. 4-6

4. VIDEO OUT Sync Level and Burst Level Check

Mode	Digital EE				
Signal	No signal				
Measurement Point	Measurement Point Video out terminal (75Ωterminated)				
Measuring Instrument	Oscilloscope				
Specified Value	Sync signal level: $A = 286 \pm 20 \text{ mVp-p}$ Burst signal level: $B = 286 \pm 30 \text{ mVp-p}$				

Adjusting method:

- 1) Select page: 0, address: 01, and set data: 01.
- Select page: C, address: 56, set data: 00, and press the PAUSE button of the adjustment remote commander. (digital EE mode)
- 3) Check that the sync signal level (A) satisfies the specified value.
- 4) Check that the burst signal level (B) satisfies the specified value.
- 5) Select page: C, address: 56, set data: 08, and press the PAUSE button of the adjustment remote commander.
- 6) Select page: 0, address: 01, and set data: 00.

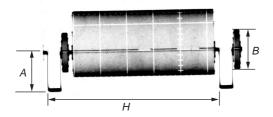


Fig. 4-7

5. PLL Adjustment

Set the VCO center level of the video input circuit (IC102).

Mode	Digital EE
Signal	Color bar (VIDEO IN terminal innput) <3.579545 MHz ±10Hz>
Measurement Point	Display data of page: 3, address: 04
Measuring Instrument	Adjustment remote commander
Adjustment Page	С
Adjustment Address	AA
Specified Value	0A

Adjusting method:

- 1) Select page: 0, address: 01, and set data: 01.
- Select page: C, address: 56, set data: 00, and press the PAUSE button of the adjustment remote commander. (digital EE mode)
- 3) Select page: 3, address: 0C, set data: 80, and press the PAUSE button of the adjustment remote commander.
- 4) Select page: C, address: AA, and set data: 00, and press the PAUSE button.
- 5) Select page: 3, address: 04, and check. If the data is "0A", proceed to step 8).
- 6) Select page: C, address: AA, add "10" (hexadecimal) to the data and press the PAUSE button.
- 7) Select page: 3, address: 04, and check the data is "0A". If not repeat step 7).
- 8) Select page: 3, address: 0C, set data: 00, and press the PAUSE button of the adjustment remote commander.
- 9) Select page: C, address: 56, set data: 08, and press the PAUSE button of the adjustment remote commander.
- 10) Select page: 0, address: 01, and set data: 00.

4-5. SERVICE MODE

ADJUSTMENT REMOTE COMMANDER

The adjustment remote commander is used for changing the calculation coefficient in signal processing, EVR data, etc. The adjustment remote commander performs bi-directional communication with the unit using the remote commander signal line (LANC). The resultant data of this bi-directional communication is written in the non-volatile memory.

1. Using the adjustment remote commander

- Connect the adjustment remote commander to the LANC terminal.
- Set the HOLD switch of the adjustment remote commander to "HOLD" (SERVICE position). If it has been properly connected, the LCD on the adjustment remote commander will display as shown in Fig. 5-4-1.



Fig. 4-8

- 3) Operate the adjustment remote commander as follows.
 - · Changing the page

The page increases when the EDIT SEARCH+ button is pressed, and decreases when the EDIT SEARCH– button is pressed. There are altogether 16 pages, from 0 to F.

Hexadecimal notation	0	1	2	3	4	5	6	7	8	9	A	В	С	D	Е	F
LCD Display	П	1	2	3	Ч	5	5	7	8	9	Я	Ь	С	d	Ε	F
Decimal notation																15

· Changing the address

The address increases when the FF ($\blacktriangleright \blacktriangleright$) button is pressed, and decreases when the REW ($\blacktriangleleft \blacktriangleleft$) button is pressed. There are altogether 256 addresses, from 00 to FF.

- Changing the data (Data setting)
 The data increases when the PLAY (►) button is pressed, and decreases when the STOP (■) button is pressed. There are altogether 256 data, from 00 to FF.
- Writing the adjustment data
 The PAUSE button must be pressed to write the adjustment data (B, C, D, F page) in the nonvolatile memory. (The new adjusting data will not be recorded in the nonvolatile memory if this step is not performed.)
- 4) After completing all adjustments, turn off the main power supply (8.4V) once.

2. Precautions upon using the adjustment remote commander

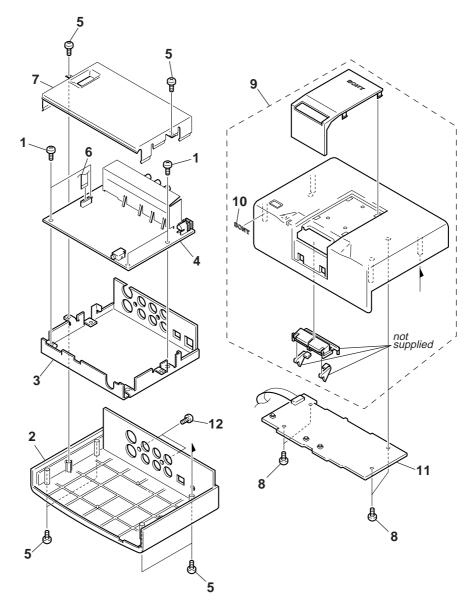
Mishandling of the adjustment remote commander may erase the correct adjustment data at times. To prevent this, it is recommended that all adjustment data be noted down before beginning adjustments and new adjustment data after each adjustment.

SECTION 5 REPAIR PARTS LIST

5-1. EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
 Items marked "*" are not stocked since they
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items
- The mechanical parts with no reference number in the exploded views are not supplied.



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1		SCREW, O PLATE SPECIAL HEAD		* 7		SHIELD (UPPER)	
2 * 3		CABINET (LOWER) ASSY SHIELD (LOWER)		8 9		SCREW (M2 × 6) CABINET (UPPER) BLOCK ASSY	
4	A-8054-856-A	IFX-52 BOARD, COMPLETE		10	4-942-636-21	EMBLEM (NO.3.5), SONY	
5	4-982-491-01	SCREW (2 \times 8), TAPPING		11	A-8054-858-A	SWX-22 BOARD, COMPLETE	
6	1-790-197-11	FFC (IF-SW)		12	7-685-647-74	+BV 3 × 10	

5-2. ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service.
 Some delay should be anticipated when ordering these items.
- CAPACITORS: $uF: \mu F$
- RESISTORS
 All resistors are in ohms.
 METAL: metal-film resistor
 METAL OXIDE: Metal Oxide-film resistor
 F: nonflammable
- COILS uH: μH

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

SEMICONDUCTORS In each case, u: μ , for example: uA...: μ A..., μ PA..., uPB..., μ PC..., uPD..., μ PD..., μ PD...

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	<u>Description</u>			<u>Remarks</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remarks</u>
	A-8054-856-A	IFX-52 BOARD, C	OMPLETE			C119	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
		******				C120	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
						C121	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
*	4-639-140-01	PLATE, JACK GRO	OUND			C123	1-164-874-11	CERAMIC CHIP	100PF	5%	16V
		,				C124		CERAMIC CHIP	0.01uF	10%	16V
		< CAPACITOR >									
						C125	1-164-850-11	CERAMIC CHIP	18PF	5%	16V
C001	1-109-994-11	CERAMIC CHIP	2.2uF	10%	10V	C126	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C002	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C127	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C003	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C128	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C004	1-104-851-11	TANTAL. CHIP	10uF	20%	10V	C129	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C005	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V						
						C130	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C006	1-104-851-11	TANTAL. CHIP	10uF	20%	10V	C131	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C007	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C132	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C008	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	C133	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C009	1-109-994-11	CERAMIC CHIP	2.2uF	10%	10V	C134	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C010	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V						
						C135	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C014	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	C136	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C015	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	C137	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C016	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	C203	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C017	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V	C204	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C019	1-125-899-11	TANTAL. CHIP	220uF	20%	4V						
						C207	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C020	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C208	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C021	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V	C209	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C022	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C210	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C023	1-125-899-11	TANTAL. CHIP	220uF	20%	4V	C211	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C024	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V						
						C215	1-107-686-11	TANTAL. CHIP	4.7uF	20%	16V
C025	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C217	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C026	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	C219	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C027	1-164-858-11	CERAMIC CHIP	22PF	5%	16V	C221	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C101	1-104-851-11	TANTAL. CHIP	10uF	20%	10V	C222	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C102	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V						
						C225	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V
C103	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	C226	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C104	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	C229	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C105	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C230	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C106	1-119-750-11	TANTAL. CHIP	22uF	20%	6.3V	C231	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C107	1-164-850-11	CERAMIC CHIP	18PF	5%	16V						
						C232	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C108	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	C233	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C109	1-164-874-11		100PF	5%	16V	C234	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C110	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C235	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C111	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C236	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C112	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V						
						C237	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C113	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V	C238	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C115	1-164-874-11	CERAMIC CHIP	100PF	5%	16V	C239	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C116	1-164-937-11	CERAMIC CHIP	0.001uF	10%	16V	C240	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C117	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	C242	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C118	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V						

Ref. No.	Part No.	<u>Description</u>			<u>Remarks</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remarks</u>
C243	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C405	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C244	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	C406	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C245	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	C407	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C247	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C501	1-135-149-21	TANTALUM CHIP		20%	10V
C248	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C502	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C249	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C503	1-164-937-11	CERAMIC CHIP	0.001uF	10%	16V
C250	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V 10V	C503	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C301	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C505	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C302	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C506	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C303	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	C507	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C304	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	C508	1-164-937-11	CERAMIC CHIP	0.001uF	10%	16V
C305	1-125-838-91	CERAMIC CHIP	2.2uF	10%	6.3V	C509	1-164-937-11	CERAMIC CHIP	0.001uF	10%	16V
C306	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C510	1-218-945-11	RES,CHIP	220	5%	1/16W
C307	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C511	1-164-852-11	CERAMIC CHIP	12PF	5%	16V
C308	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	C512	1-164-852-11	CERAMIC CHIP	12PF	5%	16V
C309	1-164-935-11	CERAMIC CHIP	470PF	10%	16V	C513	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C310	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C514	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C311	1-164-935-11	CERAMIC CHIP	470PF	10%	16V	C515	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C312	1-164-935-11	CERAMIC CHIP	470PF	10%	16V	C516	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C313	1-104-913-11	TANTAL. CHIP	10uF	20%	16V	C517	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C314	1-104-913-11	TANTAL. CHIP	10uF	20%	16V	C519	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C315	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V	C521	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C319	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C522	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C322	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C523	1-164-882-11	CERAMIC CHIP	220PF	5%	16V
C324	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	C601	1-164-937-11	CERAMIC CHIP	0.001uF	10%	16V
C329	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C602	1-164-852-11	CERAMIC CHIP	12PF	5%	16V
C329	1-162-970-11	CERAMIC CHIP	0.0022ui 0.01uF	10%	25V	C602	1-164-852-11	CERAMIC CHIP	12F1 12PF	5%	16V
C331	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V 25V	C604	1-104-032-11	CERAMIC CHIP	1uF	10%	10V 10V
C332	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V	C605	1-218-945-11	RES,CHIP	220	5%	1/16W
C333	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V	C606	1-218-945-11	RES,CHIP	220	5%	1/16W
								,			
C334	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V	C701	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C335	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V	C702	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C336	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V	C703	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C337	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V	C704	1-104-847-11	TANTAL. CHIP	22uF	20%	4V
C338	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	C705	1-104-851-11	TANTAL. CHIP	10uF	20%	10V
C339	1 125 250 11	TANTAL. CHIP	10uF	20%	6.3V	C706	1 16/ 0/2 11	CERAMIC CHIP	0.01uF	10%	16V
C340	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	C707	1-164-943-11		0.01uF	10%	16V
C341	1-104-851-11	TANTAL. CHIP	10uF	20%	10V	C708	1-164-943-11		0.01uF	10%	16V
C342		TANTAL. CHIP	10uF	20%	6.3V	C709	1-107-819-11		0.022uF	10%	16V
C343		TANTAL. CHIP	10uF	20%	10V	C712		CERAMIC CHIP	0.1uF	1070	16V
C344	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V	C713	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C345	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V	C714	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C346	1-104-851-11	TANTAL. CHIP	10uF	20%	10V	C715	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C347	1-135-259-11		10uF	20%	6.3V	C801	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C348	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V			CONNECTOR			
C349	1 125 177 21	TANTALUM CHIP	1uF	20%	20V			< CONNECTOR >			
C349	1-135-177-21	TANTALUM CHIP		20%	20V 20V	CN701	1-770-305-11	CONNECTOR, FFC	/FDC 10D		
C350	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	CN801	1-779-523-11	CONNECTOR, THE		(INIDI)/ID	
C352	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	CN905	1-750-321-41	CONNECTOR, BOA		` '	
C353		TANTALUM CHIP		20%	20V	011700	1 700 021 11	001111201011, 007	110 10 00	1110 201	
				*				< DIODE >			
C355		CERAMIC CHIP	4.7uF	10%	10V						
C356		CERAMIC CHIP	4.7uF	10%	10V	D101	8-719-071-32				
C357	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V	D102	8-719-071-32				
C359	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	D302	8-719-066-34	DIODE RB461F-			
C361	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V	D303	8-719-066-34	DIODE RB461F-1			
C362	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V	D304	8-719-066-16	DIODE RB491D-	1140		
C362 C401		CERAMIC CHIP	0.022uF 0.01uF	10%	25V 16V	D501	8-710-055 84	DIODE KV1470T	I 1 ₋ 2		
C401	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V 16V	D701	8-719-421-27				
C402		TANTAL. CHIP	220uF	20%	4V	D701	8-719-421-27	DIODE MA2S111			
C404		CERAMIC CHIP	0.01uF	10%	16V	D702	8-719-064-61	DIODE 01BZA8.2	. ,		
J-10T	1 104 740-11	SELG WILL OLILI	3.5 Tui	1070	10 0	D705		DIODE 01BZA8.2	, ,		
						. 2.00	3	0.DL110.2	(

IFX-52

Ref. No.	Part No.	Description	<u>Remarks</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remarks</u>
D706	8-719-06/1-61	DIODE 01BZA8.2 (TE85L)		IC503	8-759-566-52	IC SN104266	DN_TFR
D700		DIODE 01BZA8.2 (TE85L)		IC601			PFF-G-119-BND-ER
D707		DIODE 01BZA8.2 (TE85L)		IC602		IC NIB911911	
Dout	0-719-004-01	DIODE OTBLAG.2 (TEOSL)		1			
		FUOF		IC701		IC S-8423YF	
		< FUSE >		IC702	8-759-536-72	IC TL1596CP	WR
 Æ F301	1 522 760 21	FUSE (SMD) 1.2A 24V		IC703	0 750 566 51	IC S579183P	7 TED
				1		IC TC74VHC2	
▲F302	1-533-760-21	FUSE (SMD) 1.2A 24V		IC704	8-739-324-29	IC IC/4VHC2	25/FT(EL)
		FEDDITE DEAD				IACK	
		< FERRITE BEAD >				< JACK >	
± FD201	1 500 440 21	FEDDITE OUIL		1201	1 770 442 11	IVCK DC (DOI	ADITY LINIEIED TYPEY/DC IN ()/\
* FB301	1-500-449-21			J301			ARITY UNIFIED TYPE) (DC IN 6V)
* FB302	1-500-449-21			J801			SMALL 1P (LANC JACK)
FB739	1-414-760-21			J802	1-785-511-11	AV JACK (AUL	DIO/VIDEO/S-VIDEO)
FB740	1-414-760-21					2011	
FB741	1-414-760-21	FERRITE OUH				< COIL >	
FD7.40	4 44 4 7 4 0 0 4	FEDDITE ALLI		1.004	4 444 754 44	INDUCTOR	40.11
FB742	1-414-760-21			L001	1-414-754-11		10uH
FB743	1-414-760-21			L002	1-414-754-11		10uH
FB744	1-414-760-21			L101	1-414-754-11		10uH
* FB746	1-469-092-11			L102	1-414-757-11		100uH
* FB747	1-469-092-11	FERRITE OUH		L103	1-412-957-11	INDUCTOR	33uH
FB748	1-414-760-21			L104	1-412-943-11		2.2uH
FB801	1-469-108-21	FERRITE OUH		L105	1-412-957-11	INDUCTOR	33uH
FB802	1-469-108-21	FERRITE OUH		L106	1-414-754-11	INDUCTOR	10uH
FB803	1-469-108-21	FERRITE OUH		L201	1-414-754-11	INDUCTOR	10uH
FB804	1-469-108-21	FERRITE OUH		L202	1-414-754-11	INDUCTOR	10uH
FB805	1-500-113-22	FERRITE OUH		L203	1-414-754-11	INDUCTOR	10uH
FB806	1-500-113-22	FERRITE OUH		L305	1-416-345-11	INDUCTOR	22uH
FB807	1-500-113-22	FERRITE OUH		L306	1-416-345-11		22uH
FB808	1-500-113-22			L307	1-416-345-11		22uH
FB809	1-500-113-22			L308	1-414-396-21		4.7uH
FB810	1-500-113-22	FERRITE OUH		L309	1-414-396-21	INDUCTOR	4.7uH
FB811	1-500-113-22	FERRITE OUH		L310	1-414-396-21	INDUCTOR	4.7uH
FB812	1-500-113-22			L311	1-414-396-21		4.7uH
FB813	1-500-113-22			L312	1-414-396-21		4.7uH
FB814	1-500-113-22			L313	1-414-396-21		4.7uH
. 50	. 000 22			20.0			
FB815	1-500-113-22	FERRITE OUH		L314	1-414-396-21	INDUCTOR	4.7uH
				L315	1-414-396-21	INDUCTOR	4.7uH
		< FILTER >		L316	1-414-396-21		4.7uH
		VIETER ?		L401	1-414-757-11		100uH
FL101	1_23/1_177_21	FILTER, CHIP EMI		* L402	1-414-482-21		82NH
FL301		FILTER, CHIP EMI		L-102	1 414 402 21	INDOOTOR	021111
FL401		FILTER, CHIP EMI		L403	1-414-757-11	INDLICTOR	100uH
				1			10uH
FL402		FILTER, CHIP EMI		L501	1-414-754-11		
FL404	1-234-1/1-21	FILTER, CHIP EMI		L502 L503	1-414-754-11 1-414-754-11		10uH 10uH
FI F01	1 004 177 01	EILTED CHID FAM					
FL501		FILTER, CHIP EMI		L504	1-412-941-11	INDUCTOR	1.5uH
FL503		FILTER, CHIP EMI		1.505	1 444 754 41	INDUSTOR	10.41
FL504		FILTER, CHIP EMI		L505	1-414-754-11		10uH
FL505		FILTER, CHIP EMI		L601	1-414-754-11		10uH
FL601	1-234-177-21	FILTER, CHIP EMI		L701	1-414-754-11	INDUCTOR	10uH
E1 301	4 004 477 01	FILTED CHIP SAM					
FL701	1-234-1/7-27	FILTER, CHIP EMI				< LINE FILTER	>
		< IC >		LF301	1-411-957-11	FILTER, COMN	MON MODE
10004	0.750.504.65	IC AND 2225DO ED				10 1 1017	
IC001		IC AN2222FBQ-EB				< IC LINK >	
IC002		IC MM1111XFBE		A DOTA :	4 57/ 400 0:	LINIK	
IC101		IC M62367GP-75ED			1-576-122-21	LINK, IC	
IC102		IC SC371053FTAEB					
IC201	8-759-566-17	IC AN2902FHQ-EB					
10000	0.750.504.40	IC AVACAS VE CO					
IC202		IC AK4512-VF-E2					
IC301		IC MB3785APFV-G-BND-ER		[Note :		Note:
IC401		IC M65511WG-600D			The components	identified by	Les composants identifiés par
IC501		IC HG73C037BPTL			mark $ riangle$ or dotted		une marque A sont critiques
IC502	8-752-390-00	IC CXD3129R-T6					pour la sécurité.
					Replace only wit	n part number	Ne les remplacer que par une pièce portant le numéro spécifié.
			5	-4	specified.		рівсе ропані не питнего specifie.

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
		< TRANSISTO	D 、			R023	1-218-961-11	DEC CUID	4.7K	5%	1/16W
		< TRANSISTO	Κ >			R023	1-218-961-11		4.7K 4.7K	5%	1/16W
Q003	8-729-037-72	TRANSISTOR	UN9211J-(K8).S	03		R024	1-218-953-11	,	1K	5%	1/16W
Q004			2SD2216J-QR(k			R029	1-218-957-11		2.2K	5%	1/16W
Q101			2SB1295-UL5-T			R030	1-218-939-11		68	5%	1/16W
Q101			UN9215J-(K8).S			1.030	1-210-737-11	ICLO, OTTI	00	370	17 10 00
Q103			2SD2216J-QR(k			R031	1-218-989-11	RES CHIP	1M	5%	1/16W
2103	0 727 037 32	110/11/5151010	23022103 Q1(1	(0).50		R101	1-218-973-11		47K	5%	1/16W
Q104	8-729-037-53	TRANSISTOR	2SB1462J-QR(K	(8) SO		R102	1-218-965-11	,	10K	5%	1/16W
Q105			2SD2216J-QR(k			R103	1-218-953-11		1K	5%	1/16W
Q105			2SD2216J-QR(k	,		R104	1-218-959-11	,	3.3K	5%	1/16W
Q107			2SD2216J-QR(k			104	1-210-737-11	KLS,OIIII	3.310	370	17 10 00
Q107			2SD2216J-QR(k	,		R105	1-218-957-11	RES CHIP	2.2K	5%	1/16W
2100	0-727-037-32	TRANSISTOR	23022103-01(1	(0).50		R106	1-218-953-11		1K	5%	1/16W
Q109	8-729-037-53	TRANSISTOR	2SB1462J-QR (I	K8) SO		R107	1-218-979-11	,	150K	5%	1/16W
Q110			2SB1295-UL5-T			R108	1-218-959-11		3.3K	5%	1/16W
Q201			UN9113J-(K8).S			R109	1-218-965-11		10K	5%	1/16W
Q201			UN9210J-(K8).S			107	1-210-703-11	ICLO, CITII	TOK	370	1/1000
Q202 Q203			UN9210J-(K8).S			R110	1-218-953-11	DEC CHID	1K	5%	1/16W
Q203	0-729-037-71	TRANSISTOR	UN7210J-(K0).3	50		R111	1-218-990-11	,	0	370	1/1000
Q205	0 720 041 22	TRANSISTOR	NDC2E4AD			R112	1-218-953-11		1K	5%	1/16W
Q205 Q206			UN9213J-(K8).S	20		R113	1-218-977-11		100K	5%	1/16W
Q200 Q207		TRANSISTOR		50			1-218-989-11	,	100K		
Q207 Q208			UN9213J-(K8).S	· O		R114	1-210-909-11	RES,UNIP	TIVI	5%	1/16W
Q208 Q209						D11E	1-218-977-11	DEC CLUD	100K	E0/	1/16W
Q209	8-729-037-72	TRANSISTUR	UN9211J-(K8).S	5U		R115	1-218-977-11			5%	1/16W
0202	0 720 042 04	TDANICICTOD	CPH3106-PM-T	ı		R116	1-218-977-11	- / -	100K	5%	1/16W
Q302						R117			10K	5%	
Q303			CPH3106-PM-T			R118	1-218-965-11		10K	5%	1/16W
Q304			CPH3106-PM-T	L		R119	1-218-977-11	RES,CHIP	100K	5%	1/16W
Q305		TRANSISTOR		.0		D100	1 010 050 11	DEC CLUD	F/0	Ε0/	1/1/\\
Q306	8-729-037-74	TRANSISTUR	UN9213J-(K8).S	50		R120	1-218-950-11		560	5%	1/16W
0207	0 700 007 74	TDANICICTOD	111100101 (1/0) (R121	1-216-864-11		0	5%	1/16W
Q307			UN9213J-(K8).S	0		R122	1-218-953-11		1K	5%	1/16W
Q308		TRANSISTOR				R123	1-218-952-11		820	5%	1/16W
Q701			UN9111J-(K8).S			R124	1-218-965-11	RES,CHIP	10K	5%	1/16W
Q702			UN9211J-(K8).S			5407		0110.07			
Q703	8-729-037-72	TRANSISTOR	UN9211J-(K8).S	50		R127	1-218-990-11		0		
						R128	1-218-990-11		0		
Q704			UN9211J-(K8).S			R201	1-218-953-11		1K	5%	1/16W
Q705			UN9211J-(K8).S			R202	1-218-953-11		1K	5%	1/16W
Q951	8-729-042-72	TRANSISTOR	UN9214J-(K8).S	60		R203	1-218-973-11	RES,CHIP	47K	5%	1/16W
		< RESISTOR >	•			R204	1-218-973-11		47K	5%	1/16W
						R205	1-218-965-11		10K	5%	1/16W
R002	1-218-965-11			%	1/16W	R206	1-218-965-11		10K	5%	1/16W
R003	1-218-941-11			%	1/16W	R207	1-218-973-11		47K	5%	1/16W
R004	1-218-969-11			%	1/16W	R209	1-218-990-11	SHORT	0		
R005	1-218-953-11			%	1/16W						
R006	1-218-990-11	SHORT	0			R210	1-218-941-11		100	5%	1/16W
						R212	1-218-949-11		470	5%	1/16W
R007	1-218-953-11			%	1/16W	R213	1-218-941-11		100	5%	1/16W
R008	1-218-990-11		0			R214	1-218-949-11		470	5%	1/16W
R009	1-218-990-11		0			R216	1-218-990-11	SHORT	0		
R010	1-218-969-11		22K 5	%	1/16W						
R011	1-218-941-11	RES,CHIP	100 5	%	1/16W	R217	1-218-990-11	SHORT	0		
						R219	1-218-989-11	RES,CHIP	1M	5%	1/16W
R012	1-218-941-11	RES,CHIP	100 5	%	1/16W	R220	1-218-979-11	RES,CHIP	150K	5%	1/16W
R013	1-218-941-11	RES,CHIP	100 5	%	1/16W	R221	1-218-989-11	RES,CHIP	1M	5%	1/16W
R014	1-218-953-11	RES,CHIP	1K 5	%	1/16W	R222	1-218-979-11	RES,CHIP	150K	5%	1/16W
R015	1-218-953-11	RES,CHIP	1K 5	%	1/16W						
R016	1-218-965-11	RES,CHIP	10K 5	%	1/16W	R223	1-218-990-11	SHORT	0		
						R301	1-208-699-11	RES,CHIP	4.7K	0.50%	1/16W
R017	1-218-939-11	RES,CHIP	68 5	%	1/16W	R302	1-208-699-11	RES,CHIP	4.7K	0.50%	1/16W
R018	1-218-939-11			%	1/16W	R303	1-208-699-11	RES,CHIP	4.7K	0.50%	1/16W
R019	1-218-939-11	RES,CHIP	68 5	%	1/16W	R304	1-208-699-11	RES,CHIP	4.7K	0.50%	1/16W
R020	1-218-981-11		220K 5	%	1/16W						
R021	1-218-941-11			%	1/16W	R305	1-218-979-11	RES,CHIP	150K	5%	1/16W
						R306	1-218-981-11		220K	5%	1/16W
						R307	1-208-691-11		2.2K	0.50%	1/16W
						R308	1-218-981-11		220K	5%	1/16W
						R309	1-218-957-11		2.2K	5%	1/16W

IFX-52

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R310	1-218-957-11	RES,CHIP	2.2K	5%	1/16W	R506	1-218-990-11		0		
R312	1-208-701-11	•	5.6K	0.50%	1/16W	R507	1-218-990-11		0		
R313	1-218-974-11	RES,CHIP	56K	5%	1/16W	R508	1-218-990-11	SHORT	0		
R315	1-218-955-11		1.5K	5%	1/16W	R509	1-218-990-11		0		
R316	1-218-951-11	RES,CHIP	680	5%	1/16W	R510	1-218-950-11	RES,CHIP	560	5%	1/16W
R317	1-218-849-11	RES,CHIP	3.3K	0.50%	1/16W	R512	1-218-990-11	SHORT	0		
R318	1-208-699-11	RES,CHIP	4.7K	0.50%	1/16W	R513	1-218-990-11	SHORT	0		
R319	1-216-023-00		82	5%	1/10W	R514	1-218-990-11		0		
R320	1-218-969-11		22K	5%	1/16W	R516	1-218-990-11		0		
R321	1-216-023-00	METAL CHIP	82	5%	1/10W	R517	1-218-990-11	SHORI	0		
R322	1-216-023-00		82	5%	1/10W	R521	1-218-990-11		0		
R325	1-218-967-11	,	15K	5%	1/16W	R524	1-218-990-11		0		
R328	1-218-974-11		56K 0	5%	1/16W	R525	1-218-990-11		0		
R331 R333	1-216-296-91 1-218-965-11		10K	5%	1/16W	R526 R532	1-218-990-11 1-208-709-11		12K	0.50%	1/16\//
K333	1-210-705-11	KL3,CITIF	TOK	3 70	1/1000	K332	1-200-709-11	KL3,CITIF	IZK	0.5076	1/1000
R334	1-216-296-91		0			R533	1-218-990-11		0		
R337	1-218-990-11		0			R535	1-208-709-11	,	12K	0.50%	1/16W
R338	1-218-990-11		0	0.500/	4/4/14/	R536	1-218-990-11		0	0.500/	4/4/14/
R339	1-208-699-11		4.7K		1/16W	R538	1-218-938-11	,	56	0.50%	
R340	1-208-699-11	RES,CHIP	4.7K	0.50%	1/16VV	R539	1-218-938-11	RES,CHIP	56	0.50%	1/16W
R342	1-218-970-11	RES,CHIP	27K	0.50%	1/16W	R540	1-208-707-11	RES,CHIP	10K	0.50%	1/16W
R344	1-208-927-11	,	47K	0.50%	1/16W	R541	1-218-938-11	- 1 -	56	0.50%	1/16W
R345	1-218-949-11		470	5%	1/16W	R542	1-208-707-11		10K	0.50%	1/16W
R346	1-218-949-11		470	5%	1/16W	R543	1-218-938-11	•	56	0.50%	1/16W
R347	1-218-949-11	RES,CHIP	470	5%	1/16W	R602	1-218-985-11	RES,CHIP	470K	5%	1/16W
R352	1-218-989-11	RES,CHIP	1M	5%	1/16W	R603	1-218-977-11	RES,CHIP	100K	5%	1/16W
R353	1-218-977-11		100K	5%	1/16W	R604	1-218-977-11	RES,CHIP	100K	5%	1/16W
R354	1-218-989-11	RES,CHIP	1M	5%	1/16W	R605	1-218-977-11		100K	5%	1/16W
R355	1-218-977-11		100K	5%	1/16W	R606	1-218-977-11	•	100K	5%	1/16W
R359	1-218-990-11	SHORT	0			R607	1-218-953-11	RES,CHIP	1K	5%	1/16W
R360	1-218-953-11	•	1K	5%	1/16W	R608	1-218-977-11		100K	5%	1/16W
R362	1-218-990-11		0			R609	1-218-977-11	,	100K	5%	1/16W
R363	1-218-953-11		1K	5%	1/16W	R610	1-218-985-11		470K	5%	1/16W
R364	1-218-953-11		1K	5%	1/16W	R611	1-218-977-11	- 1	100K	5%	1/16W
R365	1-218-953-11	RES,CHIP	1K	5%	1/16W	R613	1-218-977-11	RES,CHIP	100K	5%	1/16W
R366	1-218-990-11	SHORT	0			R614	1-218-977-11	RES,CHIP	100K	5%	1/16W
R367	1-208-679-11		680	0.50%	1/16W	R615	1-218-977-11		100K	5%	1/16W
R368	1-218-990-11	SHORT	0			R616	1-218-977-11		100K	5%	1/16W
R369	1-218-990-11		0			R701	1-218-985-11		470K	5%	1/16W
R370	1-216-295-91	SHORT	0			R703	1-218-973-11	RES,CHIP	47K	5%	1/16W
R401	1-216-864-11	METAL CHIP	0	5%	1/16W	R704	1-218-973-11	RES,CHIP	47K	5%	1/16W
R402	1-218-977-11	RES,CHIP	100K	5%	1/16W	R705	1-218-977-11	RES,CHIP	100K	5%	1/16W
R403	1-218-959-11		3.3K	5%	1/16W	R706	1-218-965-11		10K	5%	1/16W
R404	1-218-959-11		3.3K	5%	1/16W	R707	1-218-958-11		2.7K	5%	1/16W
R405	1-216-864-11	METAL CHIP	0	5%	1/16W	R708	1-218-990-11	SHORT	0		
R406	1-218-990-11	SHORT	0			R709	1-218-989-11	RES,CHIP	1M	5%	1/16W
R407	1-218-965-11		10K	5%	1/16W	R710	1-218-977-11		100K	5%	1/16W
R408	1-218-965-11		10K	5%	1/16W	R711	1-218-977-11		100K	5%	1/16W
R409	1-218-965-11	RES,CHIP	10K	5%	1/16W	R712	1-218-977-11	RES,CHIP	100K	5%	1/16W
R410	1-218-951-11	RES,CHIP	680	5%	1/16W	R715	1-218-977-11	RES,CHIP	100K	5%	1/16W
R411	1-218-947-11		330	5%	1/16W	R716	1-218-953-11		1K	5%	1/16W
R416	1-218-990-11		0			R717	1-218-953-11		1K	5%	1/16W
R417	1-218-965-11		10K	5%	1/16W	R718	1-218-953-11		1K	5%	1/16W
R418	1-218-965-11		10K	5%	1/16W	R719	1-218-989-11		1M	5%	1/16W
R419	1-218-965-11	RES,CHIP	10K	5%	1/16W	R720	1-218-989-11	RES,CHIP	1M	5%	1/16W
R501	1-218-937-11		47	5%	1/16W	R721	1-218-989-11		1M	5%	1/16W
R502			4.7K	5%	1/16W	R722	1-218-953-11		1K	5%	1/16W
R503	1-218-947-11		330	5%	1/16W	R723	1-218-973-11		47K	5%	1/16W
R504	1-218-965-11		10K	5%	1/16W	R726	1-218-977-11		100K	5%	1/16W
R505	1-218-965-11	KES,CHIP	10K	5%	1/16W	R728	1-218-977-11	KES,CHIP	100K	5%	1/16W

Ref. No.	Part No.	<u>Description</u>			Remarks	Ref. No.	Part No.	<u>Description</u>			<u>Remarks</u>
R729	1-218-949-11	RES CHIP	470	5%	1/16W			< DIODE >			
R734	1-218-990-11	•	0	370	171000			(DIODE)			
R736	1-218-990-11		0			D901	8-719-991-27	DIODE CL-1700	-CD-T (DV	IN)	
R737	1-218-973-11		47K	5%	1/16W	D902		DIODE CL-155U	•	,	
R739	1-218-953-11		1K	5%	1/16W	D903		DIODE CL-155S			۷)
									,		•
R801	1-218-990-11		0					< JUMPER RESIS	STOR >		
R802	1-218-990-11		0								
R803	1-208-647-11		33		1/16W	JR901	1-216-296-91		0		
R804	1-220-881-81		30		1/16W	JR902	1-216-295-91		0		
R805	1-220-881-81	RES,CHIP	30	0.50%	1/16W	JR903	1-216-296-91 1-216-296-91		0		
R806	1-208-647-11	DEC CHID	33	O E00/	1/16W	JR904 JR905	1-216-296-91		0		
R807	1-208-647-11		33 30	0.50%		JR905	1-210-290-91	SHUKI	U		
R808	1-208-647-11		33	0.50%		JR906	1-216-296-91	TAUHS	0		
R809	1-218-935-11		33	5%	1/16W	JR907	1-216-296-91		0		
R810	1-220-802-11		3.3	5%	1/16W	JR908	1-216-296-91		0		
11010	1 220 002 11	KES,OTHI	5.5	370	171000	JR909	1-216-295-91		0		
R811	1-220-802-11	RES.CHIP	3.3	5%	1/16W	JR910	1-216-296-91		0		
R812	1-220-802-11		3.3	5%	1/16W	31(710	1 210 270 71	0110111	Ü		
R954	1-218-990-11		0	0.70	.,	JR911	1-216-296-91	SHORT	0		
		< CONPOSITION	CIRCUIT BL	_OCK >				< RESISTOR >			
RB101	1_233_081_21	RES, NETWORK	(CHID TVDE	.) ()		R901	1-216-031-00	METAL CHIP	180	5%	1/10W
RB101		RES, NETWORK	`	,		R902	1-216-031-00		150	5%	1/10W
RB102		RES, NETWORK				R903	1-216-073-00		10K	5%	1/10W
RB104		RES, NETWORK				R905	1-216-073-00		10K	5%	1/10W
RB105		RES, NETWORK				R906	1-216-051-00		1.2K	5%	1/10W
				,							
		< VARISTOR >				R908	1-216-053-00		1.5K	5%	1/10W
						R912	1-216-029-00		150	5%	1/10W
		VARISTOR, CHIP				R914	1-216-029-00	METAL CHIP	150	5%	1/10W
		VARISTOR, CHIP						CAUTOLI			
		VARISTOR, CHIP						< SWITCH >			
		VARISTOR, CHIP VARISTOR, CHIP				S901	1 740 044 11	SWITCH, TACTIL	E(DOWED)		
VDROU	3 1-001-004-21	VARISTOR, CHIP				S901		SWITCH, TACTIL		IVI)	
VDR80	6 1-801-864-21	VARISTOR, CHIP)			S905		SWITCH, TACTIL		1111)	
		VARISTOR, CHIP				3703	1 702 300 11	SWITCH, INCITE	L(DV IIV)		
		VARISTOR, CHIP									
		VARISTOR, CHIP						MISCELLANEOU:	S		
		VARISTOR, CHIP						******	k ak		
VDR81	1 1-801-862-11	VARISTOR, CHIP)			6	1-790-197-11	FFC (IF-SW)			
		< VIBRATOR >									
								ACCESSORIES &			
X101		VIBRATOR, CRYS		Hz				********	******	******	**
X401		OSCILLATOR 13.									
X501		VIBRATOR, CRYS	•	,	.5/6MHZ	<u> </u>		ADAPTOR, AC (A	,	(A) (O A D)	- \
X601		VIBRATOR, CRYS						CORD (WITH CO	,	`	,
X701	1-707-450-11	VIBRATUR, CERA	AIVIIC ZUIVIH	Z				CORD, CONNECT CORD, CONNECT	•		L)
								MANUAL, INSTR			RENCH)
	A-8054-858-A	SWX-22 BOARD	. COMPLET	E			0 001 717 11		0011011 (2.	.02.01.71	

		< CAPACITOR >									
C901	1-104-847-11	TANTAL. CHIP	22uF	20%	4V						
C902		CERAMIC CHIP	0.01uF	10%	50V						
		< CONNECTOR >									
* CN901	1-76/ 205 21	SOCKET, CONNE	CTOR 10D								
CINTUL	1-704-070-21	JUGNET, CUININE	OTOR TUP								

The components identified by mark △ or dotted line with mark

Note:

Les composants identifiés par une marque ∆ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

DVMC-DA1