

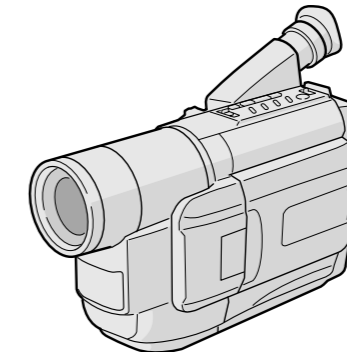
# JVC

## SCHEMATIC DIAGRAMS

### COMPACT VHS CAMCORDER

# GR-FXM270A/A-S, SXM57EG, SXM470A/A-S, SXM770A

CD-ROM No. SML200012



**DSC**  
DIGITAL  
STILL CAMERA

**S-VHS** VHS  
PAL  
625

**Super VHS**  
**Super VHS ET**

Regarding service information other than these sections, refer to the GR-FXM37EG, SXM607EG service manual (No. 86589). Also, be sure to note important safety precautions provided in the service manual.

### SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-SXM770A)*

Camcorder		Digital	
<b>General</b>		<b>Operating temperature</b>	: 0°C to 40°C
<b>Format</b>	: S-VHS/VHS PAL standard	<b>Operating humidity</b>	: 35% to 80%
<b>Power source</b>	: DC 11 V $\overline{\text{---}}$ (Using AC Adapter) DC 6 V $\overline{\text{---}}$ (Using battery pack)	<b>Storage temperature</b>	: -20°C to 50°C
<b>Power consumption</b>		<b>Weight</b>	: 930 g
<b>Viewfinder on</b>	: 4.7 W	<b>Dimensions</b>	: 200 mm x 112 mm x 118 mm (with the LCD monitor closed and with the viewfinder full tilted downward)
<b>LCD monitor on</b>	: 5.4 W	<b>Pickup</b>	: 1/4" format CCD
<b>Video light</b>	: 3.0 W	<b>Lens</b>	: F1.6, f = 3.9 mm to 62.4 mm, 16:1 power zoom lens with auto iris and macro control, filter diameter 40.5 mm
<b>Signal system</b>	: PAL-type	<b>Viewfinder</b>	: Electronic viewfinder with 0.5" black/white CRT
<b>Video recording system</b>		<b>White balance adjustment</b>	: Auto/Manual adjustment
<b>Luminance</b>	: FM recording	<b>LCD monitor</b>	: 3" diagonally measured, LCD panel/TFT active matrix system
<b>Colour</b>	: Converted sub-carrier direct recording Conforms to VHS standard	<b>Speaker</b>	: Monaural
<b>Cassette</b>	: <b>S-VHS</b> / <b>VHS</b> cassette	<b>Connectors</b>	
<b>Tape speed</b>		<b>JLIP/EDIT</b>	: $\phi$ 3.5 mm, 4-pole, mini-head jack (compatible with RC-5325 plug)
<b>SP</b>	: 23.39 mm/sec.	<b>Video</b>	: 1 V (p-p), 75 $\Omega$ unbalanced, analogue output (via Video output connector)
<b>LP</b>	: 11.70 mm/sec.	<b>Audio</b>	: 300 mV (rms), 1 k $\Omega$ analogue output (via Audio output connector)
<b>Recording time (max.)</b>			
<b>SP</b>	: 60 minutes		
<b>LP</b>	: 120 minutes (with EC-60 cassette)		
<b>D.S.C. format</b>			
<b>Recording format</b>	: Digital data storage (based on JPEG)		
<b>Recording medium</b>	: Built-in flash memory, 2.Mbyte		
<b>Number of storable shots</b>			
<b>FINE mode</b>	: approx. 30 shots		
<b>STANDARD mode</b>	: approx. 60 shots		
<b>Image size</b>	: 640 x 480 pixels (when captured on a PC)		
		<b>AC Adapter AP-V10A</b>	
		<b>Power requirement</b>	: AC 110 V to 240 V $\sim$ , 50 Hz/60 Hz
		<b>Output</b>	: DC 11 V $\overline{\text{---}}$ , 1 A
		<b>Dimensions</b>	: 59 mm x 31 mm x 84 mm (W x H x D)
		<b>Weight</b>	: Approx. 140 g (not including Power Cord)
		<b>Optional Accessories</b>	
			<ul style="list-style-type: none"> <li>• Battery Packs BN-V12U, BN-V20U, BN-V400U</li> <li>• Compact S-VHS (<b>S-VHS</b>) Cassettes SE-C45/30</li> <li>• Compact VHS (<b>VHS</b>) Cassettes EC-60/45/30</li> <li>• Remote Control Unit RM-V700U</li> <li>• Active Carrying Bag CB-V7U</li> </ul>
			Some accessories are not available in some areas. Please consult your nearest JVC dealer for details on accessories and their availability.
			<i>Specifications shown are for SP mode unless otherwise indicated. E &amp; O.E. Design and specifications subject to change without notice.</i>

# JVC

VICTOR COMPANY OF JAPAN, LIMITED  
VIDEO DIVISION

S40894

Printed in Japan

This Schematic Diagrams is printed on 100% recycled paper.  
COPYRIGHT © 2000 VICTOR COMPANY OF JAPAN, LTD.

No. 86594SCH  
December 2000

# SECTION 4 CHARTS AND DIAGRAMS

## 4.1 BOARD INTERCONNECTIONS

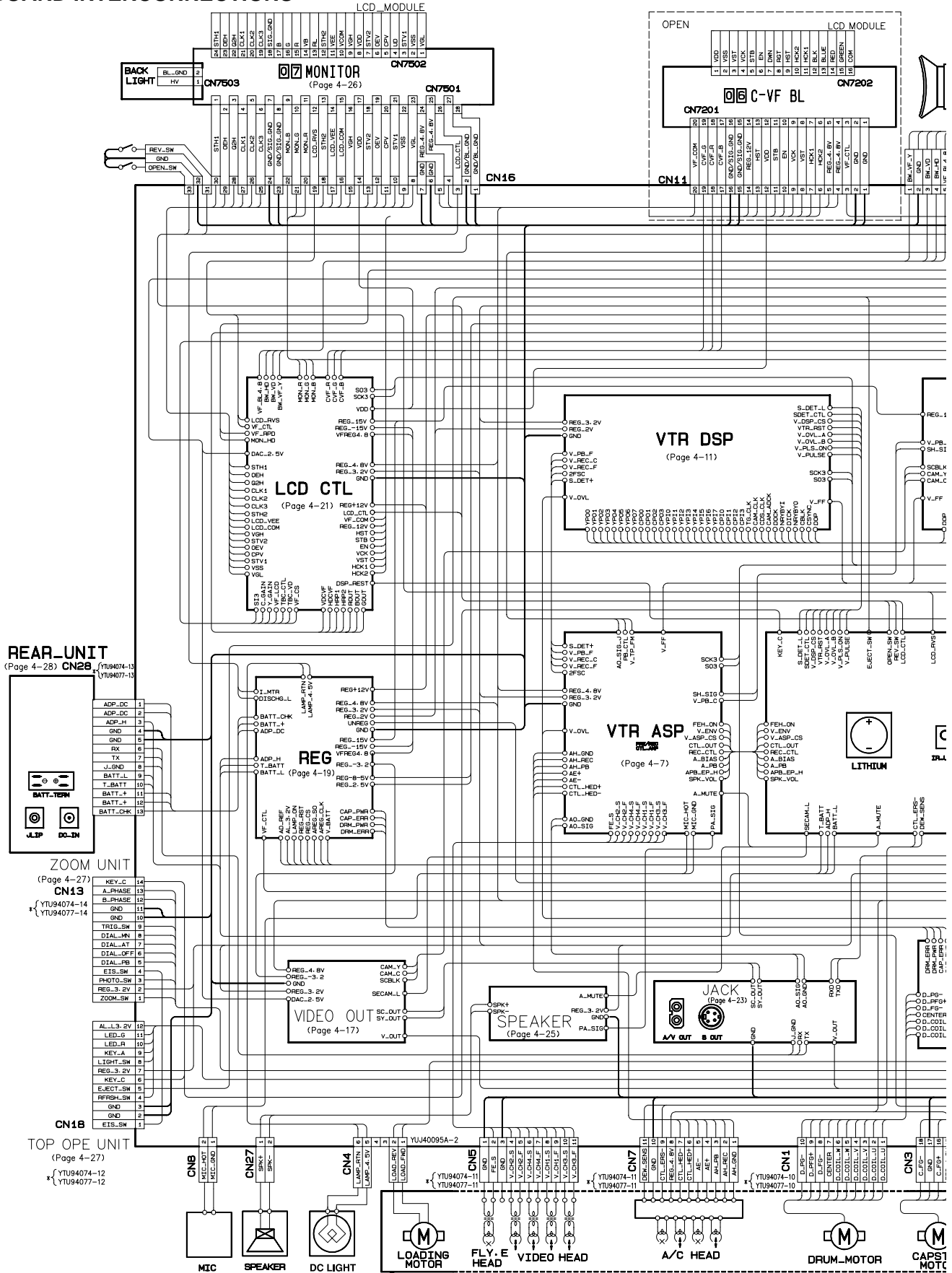
5

4

3

2

1



A

B

C

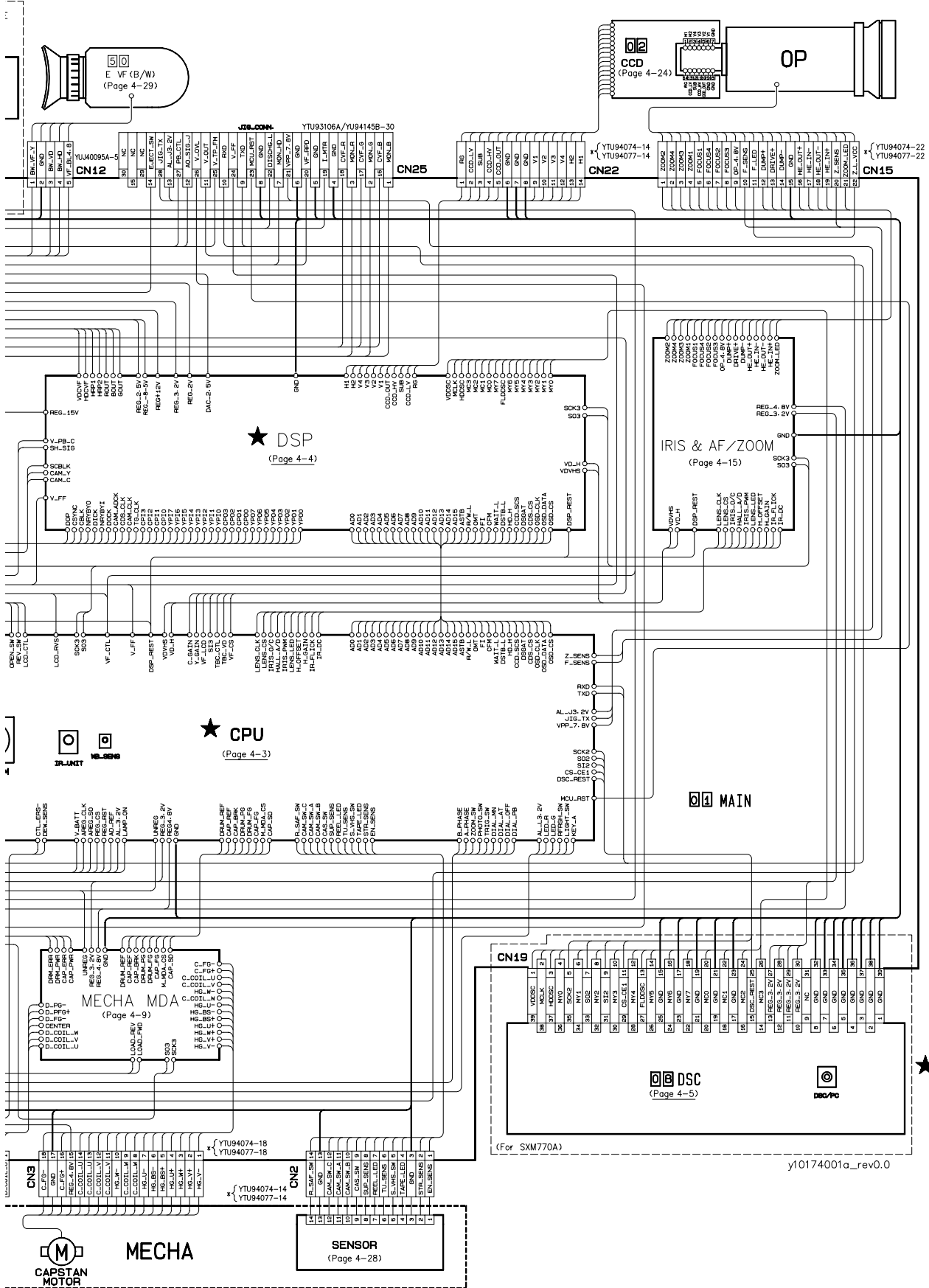
D

**Note 1: How to find the page showing the continuative schematic diagram**

**Example) TO REG (Page 4-19): Refer to the GR-FXM37EG, SXM607EG/EK service manual (No. 86589)**

**TO CPU (Page 4-3): Refer to this service manual**

**2: The mark ★ means modified points.**



y10174001a\_rev.0.0

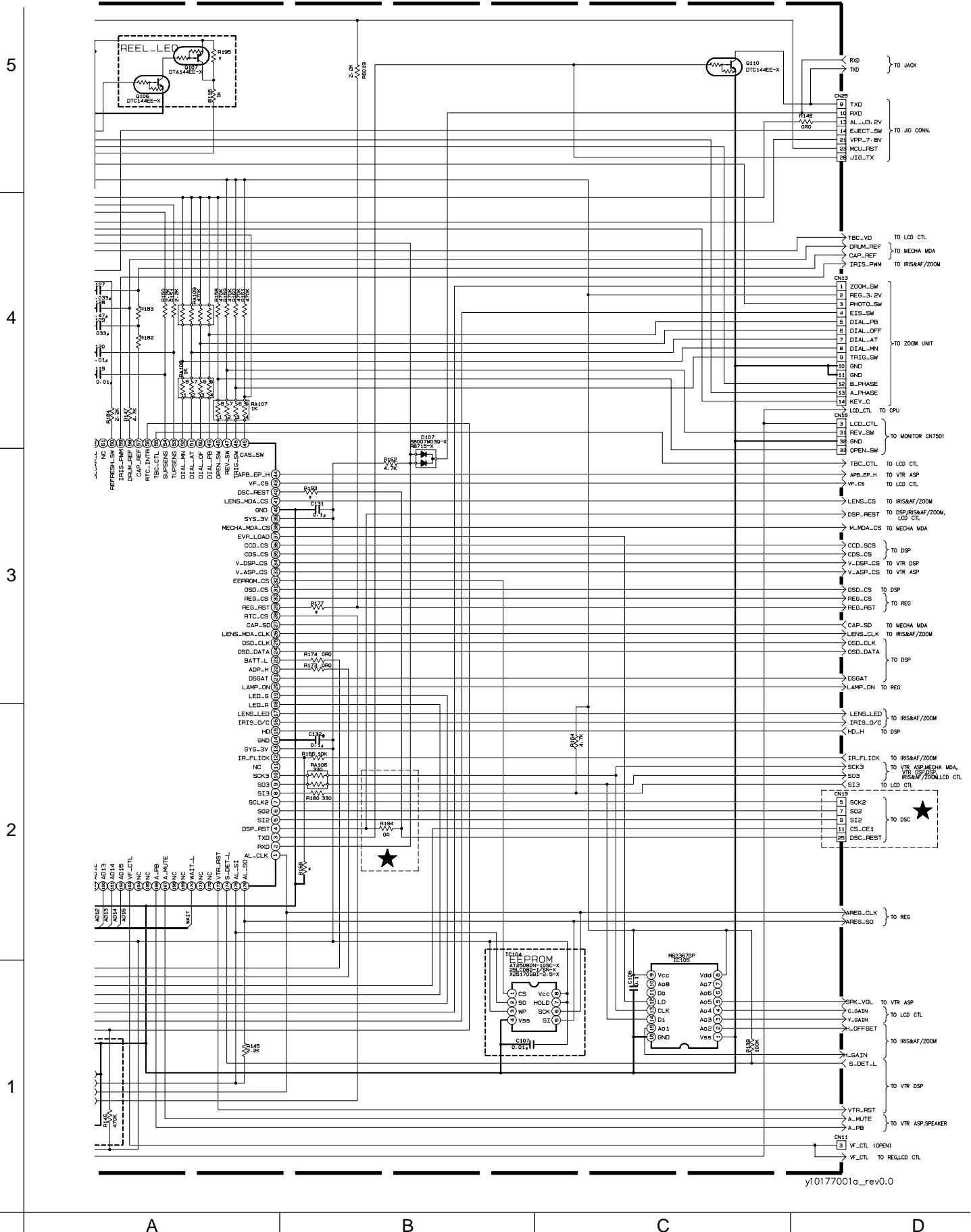
E

F

G

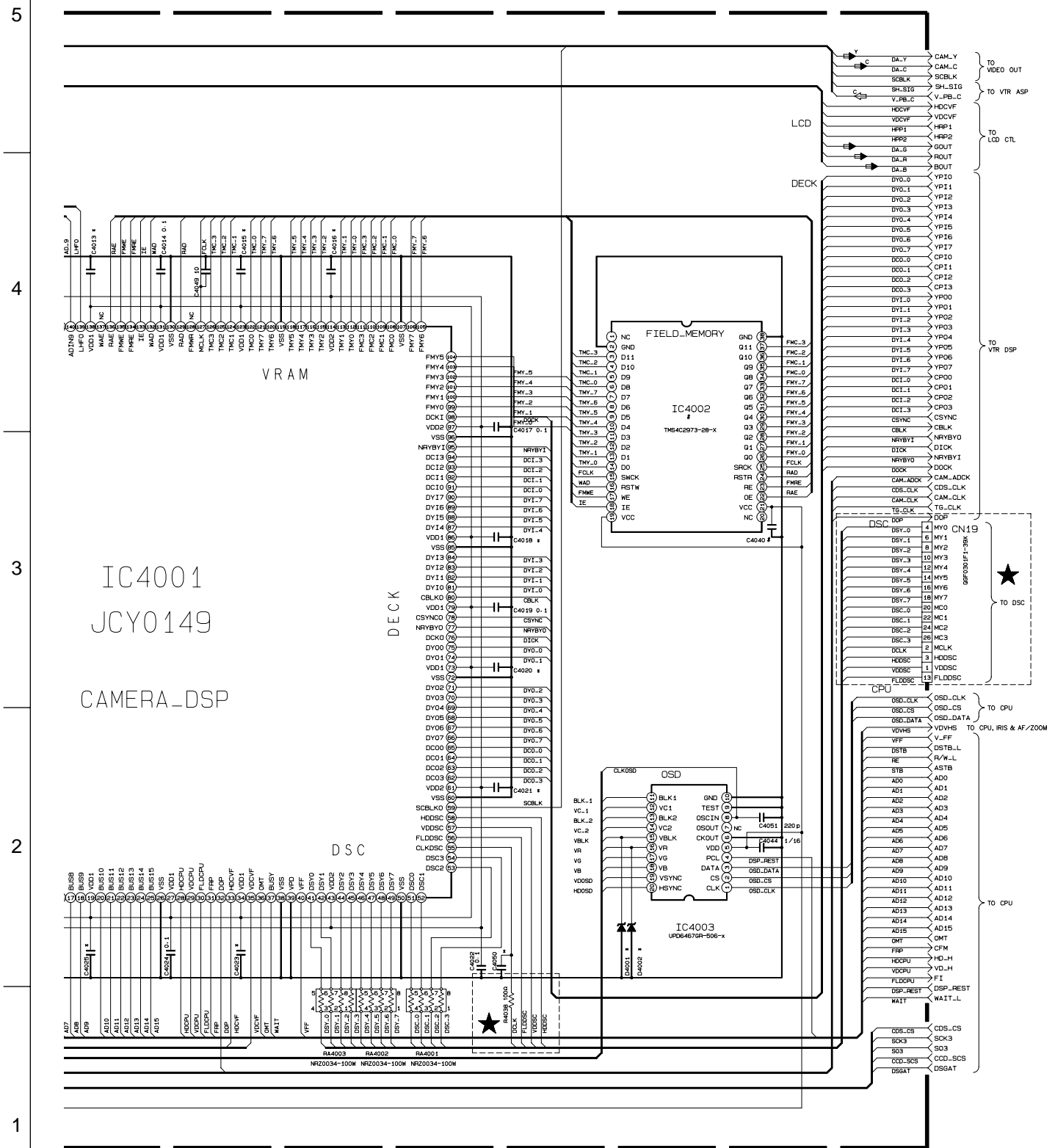
H

## 4.2 CPU SCHEMATIC DIAGRAM



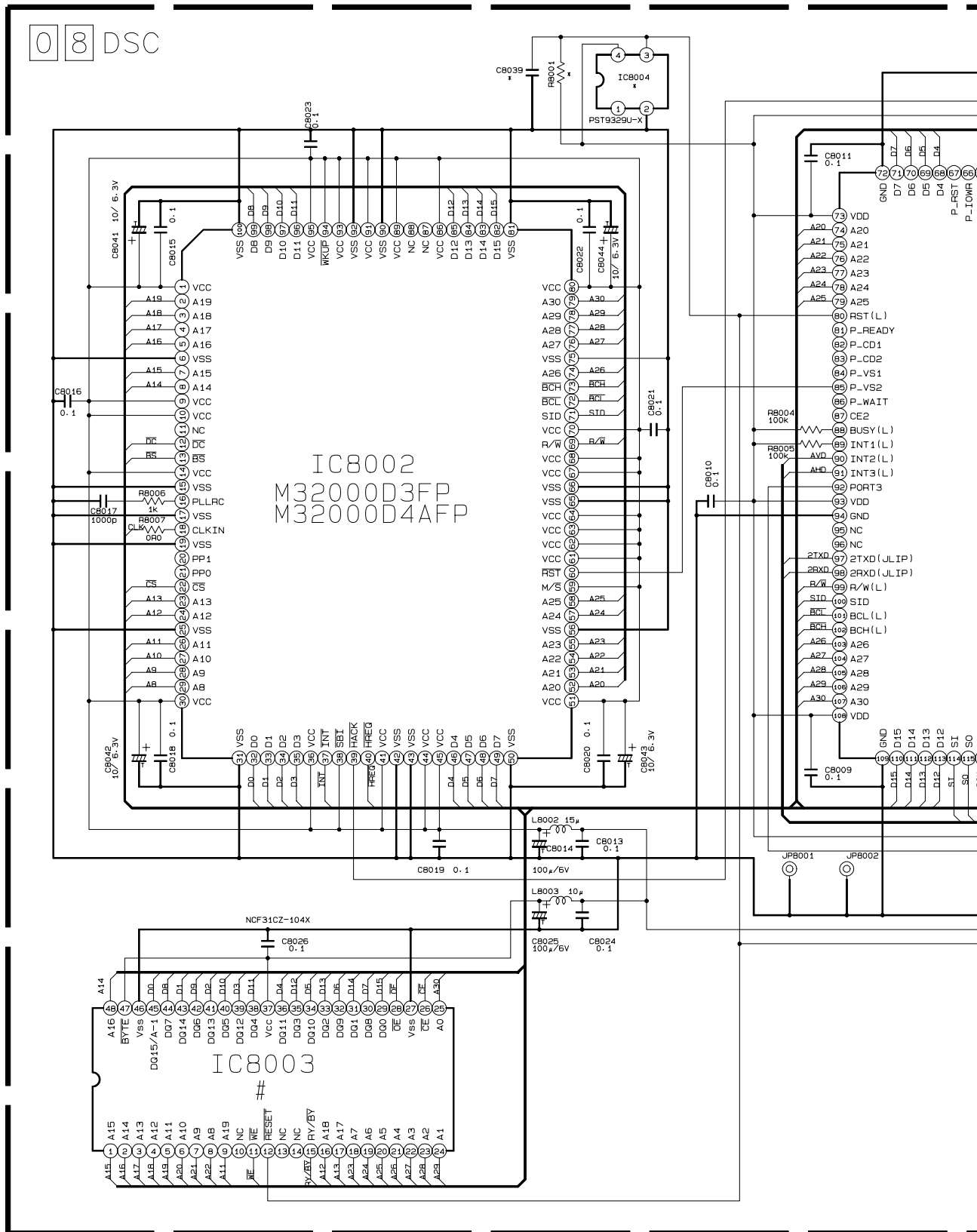
y10177001a\_rev0.0

### 4.3 DSP SCHEMATIC DIAGRAM



y10168001a\_rev0.1

# 4.4 DSC SCHEMATIC DIAGRAM



NOTE: THE PARTS WITH MARKED (\*) IS NOT USED.

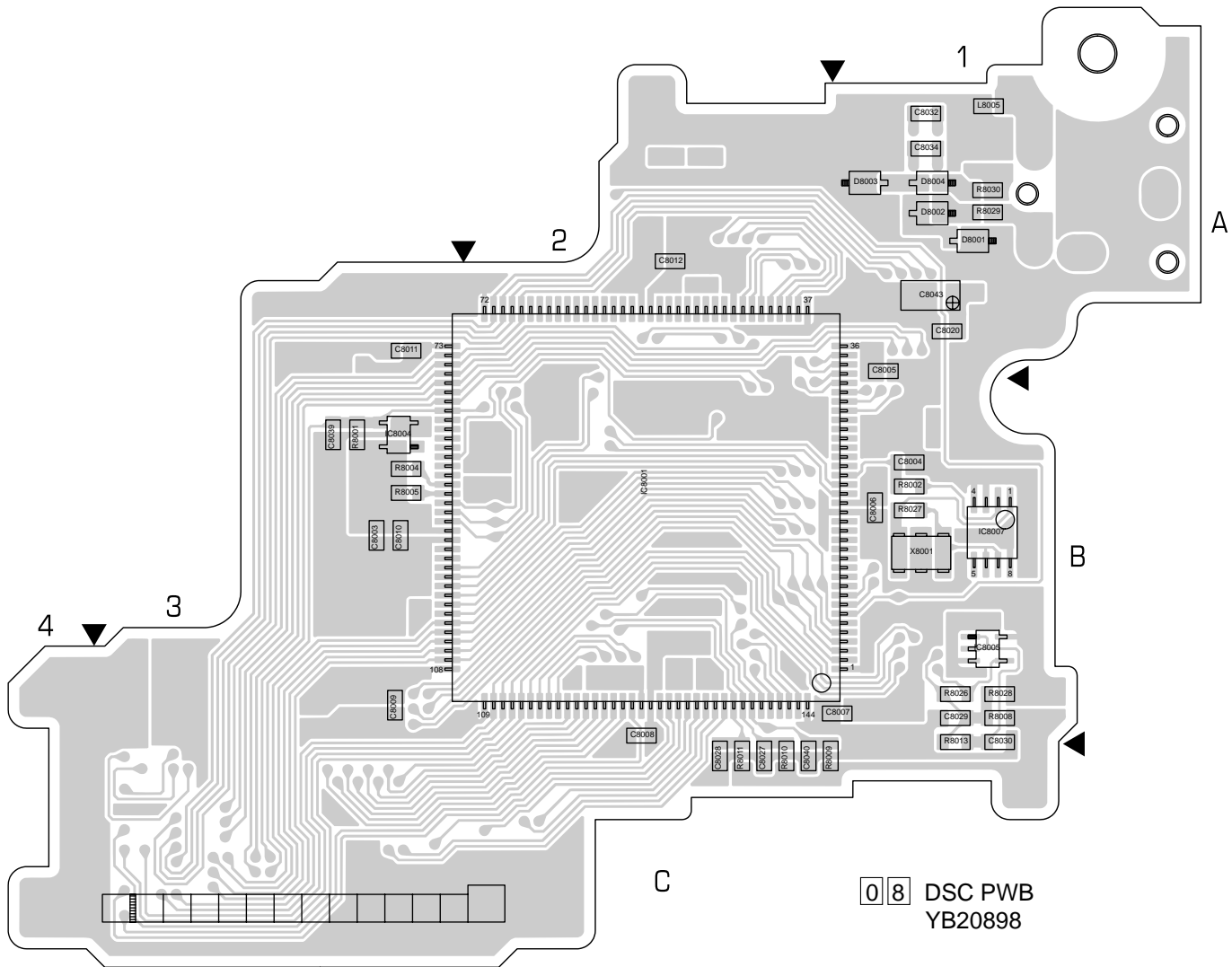
EXCHANGE-PARTS-LIST

MODEL	IC8003
PAL	TC58FVT16FT0/79
NTSC	MBV160T90PTA04



4.5 DSC CIRCUIT BOARD  
 -FOR SXM770A-

FOIL SIDE (B)



COMPONENT PARTS LOCATION GUIDE <DSC>

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR				C8013	A C 2B	C8027	B C 2C	C8041	A C 2B
C8001	A C 2A	C8014	A C 2C	C8028	B C 2C	C8042	A C 2A	IC	
C8002	A C 3B	C8015	A C 2B	C8029	B C 1B	C8043	B C 1A	IC8001	B C 2B
C8003	A C 2B	C8016	A C 2B	C8030	B C 1B	C8044	A C 1B	IC8002	A C 2B
C8004	B C 1B	C8017	A C 2B	C8031	A C 2B	CONNECTOR		IC8003	A C 3C
C8005	B C 1A	C8018	A C 2A	C8032	B C 1A	CN8001	A C 2B	IC8004	B C 3B
C8006	B C 1B	C8019	A C 1A	C8033	A C 1A	DIODE		IC8005	B C 1B
C8007	B C 1B	C8020	B C 1A	C8034	B C 1A	D8001	B C 1A	IC8006	A C 1A
C8008	B C 2B	C8021	A C 1B	C8035	A C 1A	D8002	B C 1A	IC8007	B C 1B
C8009	B C 3B	C8022	A C 1B	C8036	A C 1A	D8003	B C 1A	COIL	
C8010	B C 3B	C8023	A C 1B	C8037	A C 2A	D8004	B C 1A	L8001	A C 2A
C8011	B C 3A	C8024	A C 2B	C8038	A C 1A				
C8012	B C 2A	C8025	A C 3B	C8039	B C 3B				
		C8026	A C 3B	C8040	B C 2C				



