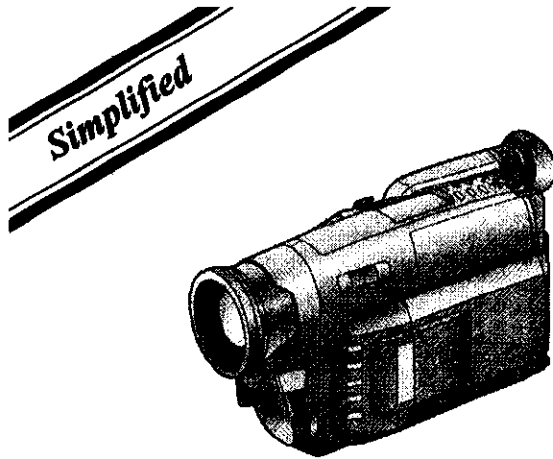


Service Manual

VHS-C Movie



NV-VX24B NV-VX27EG/E/EN/ENH /ENC/A DL-MECHANISM

SPECIFICATIONS

ITEM	SPECIFICATION	ITEM	SPECIFICATION
POWER	Source: Battery Pack; 7.2 V DC AC Adaptor; 7.9 V DC Consumption (Battery Operation) ; 4.7 W (When using Finder) ; 5.7 W (When using LCD Monitor)	FINDER	0.5-inch Electronic Finder
		MONITOR	2.5-inch Colour LCD Monitor
VIDEO RECORDING SYSTEM	4 rotary heads, helical scanning system PAL	VIDEO	HEADS: 4 Rotary heads, 1 flying erase head OUTPUT: PHONO CONNECTOR; 1.0 Vp-p 75 Ω terminated
TAPE FORMAT	VHS-C Cassette Tape (Tape width 12.7 mm)	AUDIO	HEADS: 1 Stationary head (Normal-Mono) OUTPUT: PHONO CONNECTOR; -6 dB (47kΩ loaded)/less than 1 kΩ
TAPE SPEED	SP mode : 23.3 mm/s LP mode : 11.7 mm/s (Except NV-VX27EG/E) Record/Playback Time: SP mode ; 1 hour with NV-EC80 LP mode ; 2 hours with NV-EC80 (Except NV-VX27EG/E) FF/REW Time: less than 6.5 min. with NV-EC45XG	OPERATING TEMPERATURE	0-40 °C
		OPERATING HUMIDITY	10-80 %
CAMERA	PICK-UP ELEMENT: CCD (Charge Coupled Device)	WEIGHT	Approx. 850g (without Battery Pack)
	STANDARD ILLUMINATION: 1,400 lx	DIMENSIONS	102 (W) X 127 (H) X 255 (D) mm
	MINIMUM REQUIRED ILLUMINATION: 0.5 lx (Low Light Mode)	STANDARD ACCESSORIES	1 pc. AC Adaptor
	LENS: 22 : 1 Power Zoom Lens F1.6 Focal Length; 3.7-81.4 mm Digital AI Auto Focus/Auto Iris Filter Diameter; 43 mm		1 pc. Battery Pack
	IMAGE SENSOR: 1/4-inch CCD Image Sensor		1 pc. Cassette Adaptor (Except NV-VX24B)
	1 pc. Shoulder Strap		
	1 pc. DC Output Cable		
	1 pc. Battery for Cassette Adaptor (Except NV-VX24B)		
	1 pc. AC Cord		
	1 pc. AV Cord		
	1 pc. Remote Controller		
	1 pc. Cleaning Tissue		
	2 pc. Battery for Remote Controller		
	1 pc. 21-Pin Adaptor (NV-VX27EG/E Only)		

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 INTRODUCTION

1.1. INTRODUCTION 1

This service manual contains technical information which will allow service personnel's to understand and service the VHS-C Movie model NV-VX24 and NV-VX27 series.

This service manual is based on NV-RX14/17 series.

So, please refer to the NV-RX14/17 series Service Manual Order No. : VMD9812065C8

Note 1:

Adjustment procedure for Mechanism-Chassis is separate volume.

Please refer to following manual for detail of adjustment procedure for Mechanism-Chassis.

Order number for adjustment procedure of Mechanism-Chassis. : VMD9412M130

Note 2:

These movie camera uses AC Adaptor are VSK0541 & VSK0545.

VSK0541 : Used by NV-VX24B and NV-VX27EG/E/EN/ENH/ENC.

VSK0545 : Used by NV-VX27A

The service manual for AC Adaptor is separate volume.

Order number for AC Adaptor VSK0541 (VW-AS7) : VMD9812066C8

Order number for AC Adaptor VSK0545 : VMD9903013A8

1.2. INTRODUCTION 2

Note 1:

NV-VX27EN

NV-VX27EN series has to versions depends on countries.

Detail as follows.

Model No. (Version)	NV-VX27EN	NV-VX27ENH	NV-VX27ENC
PACKING CASE	VPG9878	VPG9879	VPG9988
AC CARD	VJA0664	VJA0940	VJA0664

2 COMPARISON CHART

1. Comparison chart for NV-VX24/27 & NV-RX14/17 series.

This chart described different part from the original model to new model as shown below.

Original Model : NV-RX14/RX17 series

New Model : NV-VX24/VX27 series

NOTE: IMPORTANT NOTICE

Components identified with Δ have special characteristics for safety.
When replacing any components, use only the same parts.

Comparison chart : NV-VX24/27 & NV-RX14/17 series.

Comparison chart of Mechanical replacement parts. <A>...Added, <C>...Changed, <D>...Deleted.

Ref. No.	Parts No. for NV-RX14/17	Parts No. for NV-VX24/27	Pcs/Set	Parts Name & Description	Remarks	
41 (1)	VEG1485	VEG1485	1	CYLINDER U.	NV-VX27EG/E	<C>
	VEG1486	VEG1486	1	CYLINDER U.	NV-VX24B	<C>
					NV-VX27EN/ENH/ENC/A	
319 (5)	VYQ1695	VYQ1758	1	MAIN FRAME U.		<C>
320 (5)	VYK8767	VYK8898	1	FRONT CASE (1) U.		<C>
330 (5)	VYK9065	VYK9070	1	SIDE CASE (L) 1U.	NV-VX24B, VX27EG/E	<C>
330 (5)	VKM5131	VKM5188	1	SIDE CASE (L) 1U.	NV-VX27EN/ENH/ENC/A	<C>
336 (5)	VYK8771	VYK8900	1	CASSETTE COVER (1) U.	EXCEPT NV-VX24B	<C>
336 (5)	VYK8781	VYK8902	1	CASSETTE COVER (1) U.	NV-VX24B ONLY	<C>
337 (5)	VGU8068	VGU7603	1	CASSETTE LOCK BUTTON		<C>
339 (5)	VYK8769	VKM5109	1	SIDE CASE (R) 1U.	NV-VX24B, VX27EG/E	<C>
339 (5)	VYK8779	VKM5190	1	SIDE CASE (R) 1U.	NV-VX27EN/ENH/ENC/A	<C>
340 (5)	VKM5130	VKM5219	1	TOP CASE		<C>
342 (5)	VKF3020	VKF3089	1	CURSOR		<C>
345 (5)	VXU1519	VXU1540	1	VTR OP. U.		<C>
351 (5)	VYQ1517	VYQ1680	1	LENS COVER U.		<C>
352 (5)	VGQ5183	—	1-0	LCD PANEL HOLDER		<D>
353 (5)	VGQ5314	—	1-0	LCD PANEL BARRIER		<D>
354 (5)	VSL0517	—	1-0	LCD PANEL U.		<D>
355 (5)	VXU1521	VXU1526	1	CAMERA OP. U.		<C>
B302 (5)	XQN2+CF7FZ	XQN2+CF55FN	2	SCREW		<C>
B303 (5)	XQN2+CJ6FZ	XQN2+CJ6FZ	13-12	SCREW		<C>
B304 (5)	XQN2+CJ8F	XQN2+CJ8FN	1	SCREW		<C>
B318 (5)	XQN2+BJ4	—	4-0	SCREW		<D>
356 (5)	—	VGQ5194	0-1	DIGITAL PIECE		<A>
357 (5)	—	VGQ4546	0-1	STAND		<A>
358 (5)	—	VGQ4772	0-1	STAND HOLDER		<A>
359 (5)	—	VMC1254	0-1	STAND SPRING		<A>
360 (5)	—	EDTCA29QA0	0-1	LCD MODULE		<A>
361 (5)	—	VEK8266	0-1	BACK LIGHT U.		<A>
362 (5)	—	VGQ3457	0-1	PROTECT SHEET		<A>
363 (5)	—	VGQ5340	0-1	LCD SPACER		<A>
364 (5)	—	VMP5893	0-1	HINGE MOUNT PLATE		<A>
365 (5)	—	VMZ2886	0-1	INSULATION SHEET		<A>
366 (5)	—	VSC4869	0-1	LCD SHIELD PLATE		<A>
367 (5)	—	VEE0F36	0-1	MONITOR CONNECTOR U.		<A>
368 (5)	—	VGQ4775	0-1	WIRE PROTECTION PIECE		<A>
369 (5)	—	VGQ4854	0-1	WIRE BLINDING SHEET		<A>
370 (5)	—	VGQ5308	0-1	HINGE COVER (UPPER)		<A>
371 (5)	—	VGQ5309	0-1	HINGE COVER (LOWER)		<A>
372 (5)	—	VXD0297	0-1	LCD ROTATION HINGE (1) U.		<A>
373 (5)	—	VKM5111	0-1	LCD CASE (LOWER)		<A>
374 (5)	—	VGQ5196	0-1	LCD LOCK LEVER		<A>

Ref. No.	Parts No. for NV-RX14/17	Parts No. for NV-VX24/27	Pcs/ Set	Parts Name & Description	Remarks	
375 (5)	—	VHD1093	0-1	LCD LOCK SHAFT		<A>
376 (5)	—	VMB3145	0-1	LCD LOCK SPRING		<A>
377 (5)	—	VMP5617	0-1	LCD LOCK PLATE		<A>
378 (5)	—	VGQ5195	0-1	HINGE HOLDER		<A>
379 (5)	—	VSQ1041	0-2	LCD ROTATION MAGNET		<A>
381 (5)	—	VYK8911	0-1	LCD CASE (UPPER) U.	NV-VX27EG/E	<A>
381 (5)	—	VYK8912	0-1	LCD CASE (UPPER) U.	NV-VX24B	<A>
381 (5)	—	VYK8919	0-1	LCD CASE (UPPER) U.	NV-VX27EN/ENH/ENC/A	<A>
382 (5)	—	VGQ5386	0-1	WIRE BARRIER		<A>
383 (5)	—	VMP5616	0-1	HINGE HOLDER FIX PLATE		<A>
384 (5)	—	VGQ4904	0-1	PROTECTION BARRIER		<A>
385 (5)	—	VMZ2821	0-1	BARRIER		<A>
386 (5)	—	VEK8401	0-1	SPEAKER U.		<A>
387 (5)	—	VMC1085	0-1	SPEAKER HOLDER		<A>
B320 (5)	—	VHD0768	0-3	SCREW		<A>
B321 (5)	—	XQN2+BJ5	0-4	SCREW		<A>
B322 (5)	—	XQN2+AJ4	0-6	SCREW		<A>
B323 (5)	—	XQN2+BF4FZ	0-3	SCREW		<A>
B324 (5)	—	XQN2+B35FN	0-4	SCREW		<A>
B325 (5)	—	XQN2+CF4	0-1	SCREW		<A>
B326 (5)	—	XQN2+BJ6	0-4	SCREW		<A>
B328 (5)	—	XQN2+CJ6FN	0-1	SCREW		<A>
B329 (5)	—	XQN2+CJ8	0-1	SCREW		<A>
652 (6)	VPN5109	VPN5156	1	CUSHION (LOWER)		<C>
653 (6)	VPG9750	VPG9876	1	PACKING	NV-VX27EG	<C>
653 (6)	VPG9751	VPG9877	1	PACKING	NV-VX24B	<C>
653 (6)	VPG9752	VPG9878	1	PACKING	NV-VX27EN	<C>
653 (6)	—	VPG9988	0-1	PACKING	NV-VX27ENC	<A>
653 (6)	VPG9753	VPG9879	1	PACKING	NV-VX27ENH	<C>
653 (6)	—	VPG9880	0-1	PACKING	NV-VX27A	<A>
653 (6)	VPG9922	VPG9930	1	PACKING	NV-VX27E	<C>
△ 655 (6)	VJA0664	VJA0664	1	AC CORD	NV-VX27EG/E/EN/ENC	<C>
△ 655 (6)	VJA0940	VJA0940	1	AC CORD	NV-VX24B, VX27ENH	<C>
△ 655 (6)	—	VJA0754	0-1	AC CORD	NV-VX27A	<A>
659 (6)	VPN5108	VPN5108	1	ACCESSORIES BOX	EXCEPT NV-VX24B	<C>
659 (6)	VPN5108	VPN5178	1	ACCESSORIES BOX	NV-VX24B ONLY	<C>
△ 660 (6)	VQT7790	VQT7994	1	OPERATING INSTRUCTIONS (GERMAN/FRENCH/DUTCH/DANISH)	NV-VX27EG/E	<C>
△ 660 (6)	VQT7794	VQT7996	1	OPERATING INSTRUCTIONS (ENGLISH)	NV-VX24B	<C>
△ 660 (6)	VQT7795	VQT7997	1	OPERATING INSTRUCTIONS (ENGLISH/CHINESE/RUSSIAN/ARABIC)	NV-VX27EN/ENC/CNH	<C>
△ 660 (6)	VQT7790	VQT7995	1	OPERATING INSTRUCTIONS (ITALIAN/DUTCH/DANISH/SWEDISH)	NV-VX27E	<C>
△ 660 (6)	—	VQT7998	0-1	OPERATING INSTRUCTIONS (ENGLISH)	NV-VX27A	<A>
663 (6)	VGQ6813	—	1-0	REMOTE CONTROLLER HOLDER		<D>
664 (6)	VEQ1697	EUR646570	1	REMOTE CONTROLLER		<C>
665 (6)	VJF1262	—	1-0	BATTERY COVER		<D>
666 (6)	—	VFA0152	0-1	21-PIN ADAPTOR	NV-VX27EG/E	<A>
667 (6)	—	VFC1792	0-1	CLEANING TISSUE		<A>

Comparison chart of Electrical replacement parts. <A>...Added, <C>...Changed, <D>...Deleted.

Ref. No.	Parts No. for NV-RX14/17	Parts No. for NV-VX24/27	Pcs/ Set	Parts Name & Description	Remarks	
	VEP23474A	VEP23474D	1	CAMERA/MAIN C.B.A.	(RTL)	<C>
	--	VEP26215A	0-1	MONITOR C.B.A.	(RTL)	<A>
	--	VEP06C50A	0-1	SENSOR FLEX. CARD	(RTL)	<A>
	VEP00Z89A	—	1-0	SMALL LCD DRIVE C.B.A.		<D>
	VEK8577	VEK8578	1	MIC UNIT		<C>

3 HOW TO REPLACE THE LITHIUM BATTERY (PROCEDURE)

1. Remove the Rear Case Unit.
(Remove the 1 Screw from Rear Case Unit)
2. Remove the Lithium Battery "ML2020" and then replace the new one. (See Fig. B1.)

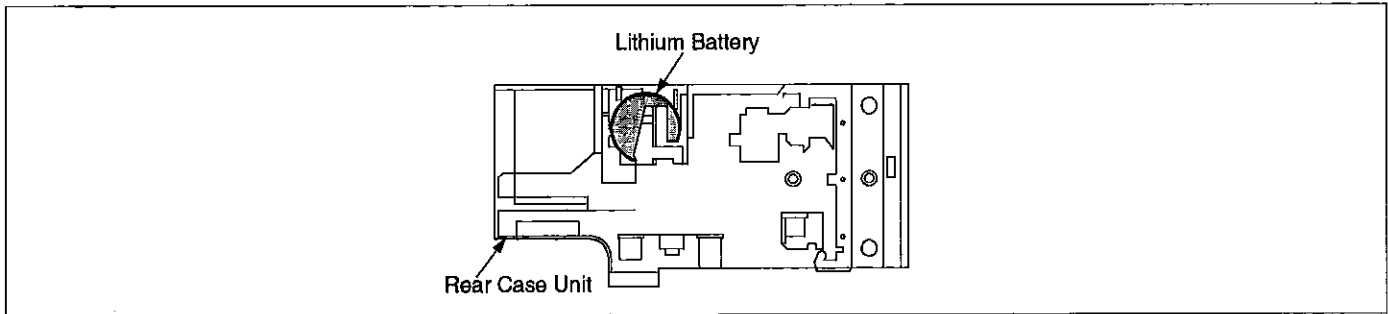


Fig. B1

Note:

The lithium battery is a critical component. (Type No.: ML2020 Manufactured by Panasonic.)
It must never be subjected to excessive heat or discharge.
It must therefore only be fitted in equipment designed specifically for its use.
Replacement batteries must be of the same type and manufacture.
They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.
Do not attempt to re-charge the old battery or re-use it for any other purpose.
It should be disposed of in waste products destined for burial rather than incineration.

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the equipment manufacturer.
Discard used batteries according to manufacturer's instructions.

VARNING

**Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens instruktion.**

ADVARSEL!

**Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.**

VAROITUS

**Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.**

4 DISASSEMBLY PROCEDURES

Flow-Chart for Disassembly Procedure

No.	Item/Part	Fig.	Removal (Screw)
1	Side Case (L) Unit	Fig.1	1-Screw (A) 2-Screws (B)
		Fig.2	6-Screws (C) 1-Screw (D)
		Fig.3	2-Locking Tabs (a) Slightly open the Side Case (L) Unit. Disconnect P1001, FP6004 and P4101.
2	EVF Unit	Fig.4	4-Locking Tabs (b)
3	Cassette Cover Unit	Fig.5	2-Screws (E)
4	Side Case (R) Unit with VTR/Camera Operation Unit	Fig.6	2-Screws (F) 4-Locking Tabs (c) 1-Locking Tab (e) Slightly open the Side Case (R) Unit with VTR/Camera Operation Unit. Disconnect FP6003, FP6006, P601 and P602.
5	Front Case Unit	Fig.6	3-Locking Tabs (d)
6	Rear Case Unit	Fig.7	1-Screw (G) Disconnect PS1003 and PS3009. 1-Locking Tab (f)
7	Camera/Main C.B.A.	Fig.7	1-Screw (H) 2-Screws (I) Remove the Shield Case. Disconnect the following connectors; FP5001, FP6001, FP6002, PP301, FP2001, FP2002, FP701, FP4001, FP4002
8	Lens Unit	Fig.8	2-Screws (J)
9	Mechanism Unit	Fig.8	1-Screw (K) 1-Screw (L)
10	Eye Cap Unit	Fig.9	Turn the Eye Cap Unit counterclockwise and remove it.
11	E.V.F. C.B.A.	Fig.10	Turn the EVF Fixing Piece clockwise until you can see a Screw (M). 3-Locking Tabs (g)
12	LCD Unit	Fig.11	Remove the Barrier. 4-Screws (N)
		Fig.12	2-Screws (O) Remove the Hinge Holder Unit and Hinge Mount Plate.
		Fig.13	4-Screws (P) Remove the LCD Case (Upper) Unit.
		Fig.14	Disconnect FP902. Remove the Sensor Flex. Card. Unsolder the lead wire from the Monitor C.B.A. Disconnect P901, P902 and FP901.
		Fig.15	1-Screw (Q) Remove the LCD Hinge Unit and Monitor C.B.A.
		Fig.16	Remove the Insulation Sheet. 1-Screw (R) Remove the LCD Shield Plate, Back Light Unit, LCD Module, LCD Spacer, LCD Case (Lower) Unit.

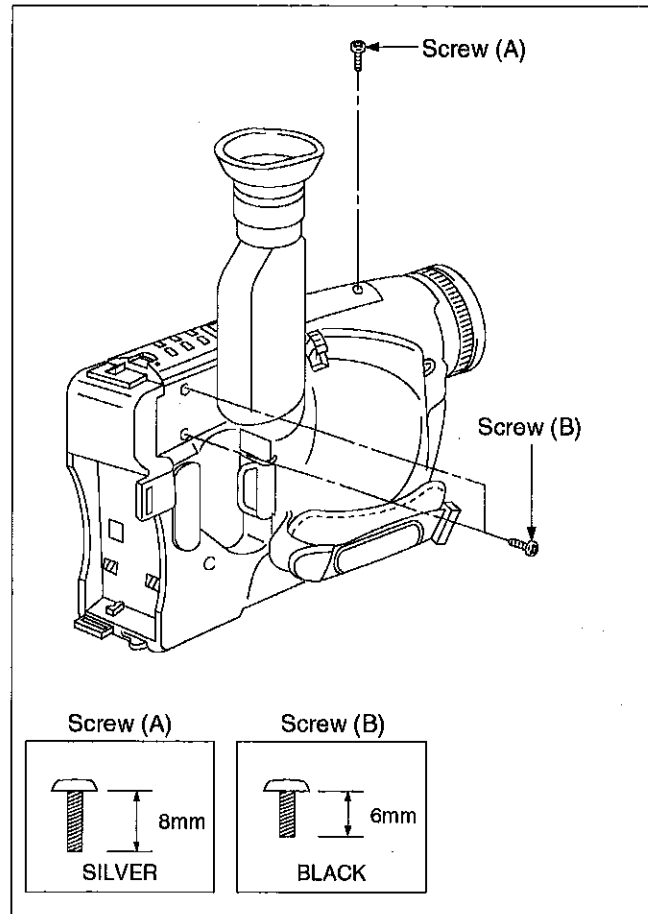


Fig.1

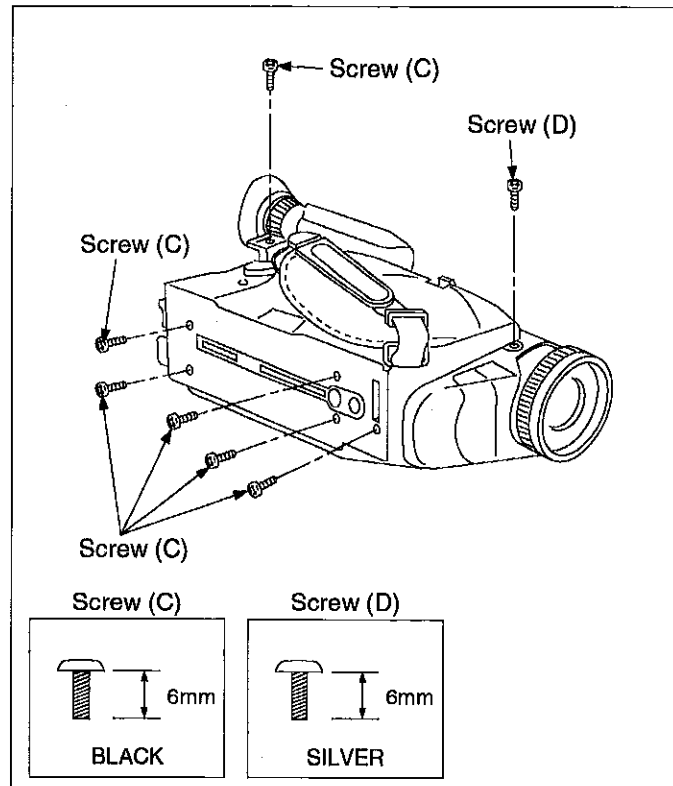


Fig.2

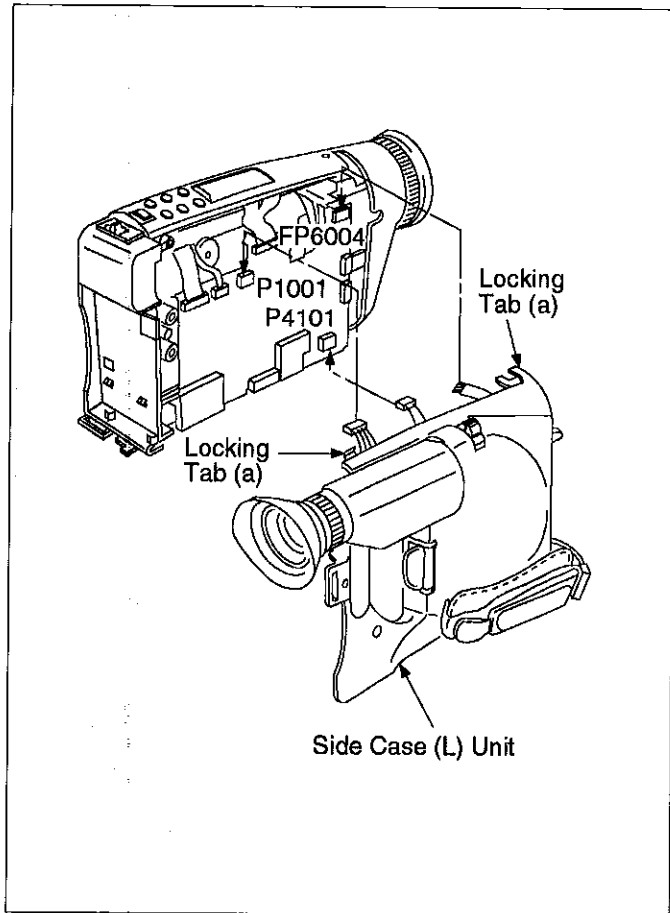


Fig.3

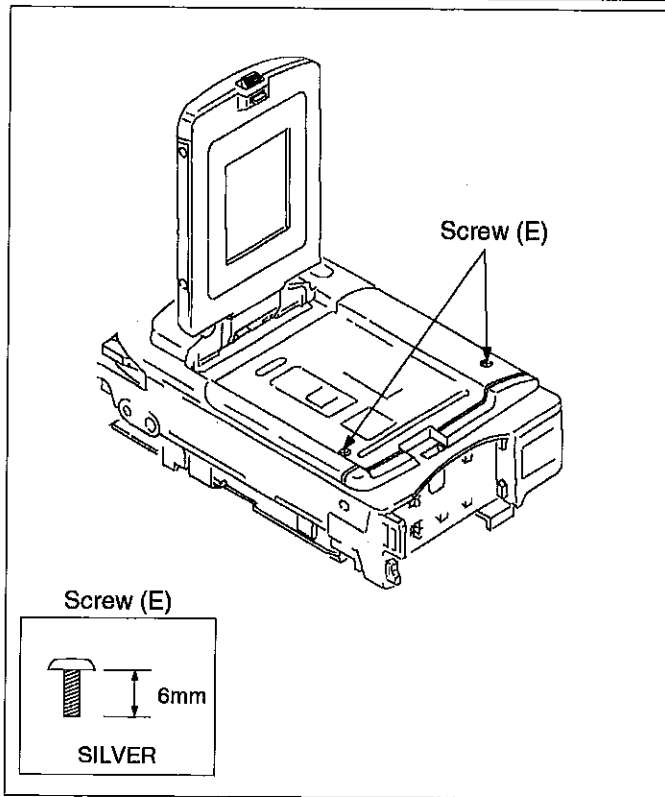


Fig.5

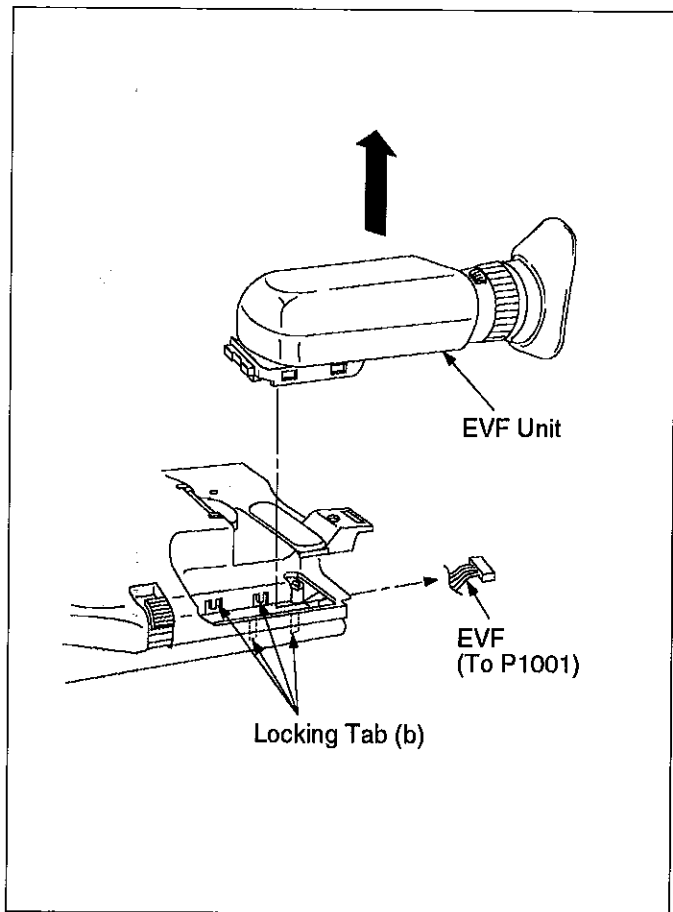


Fig.4

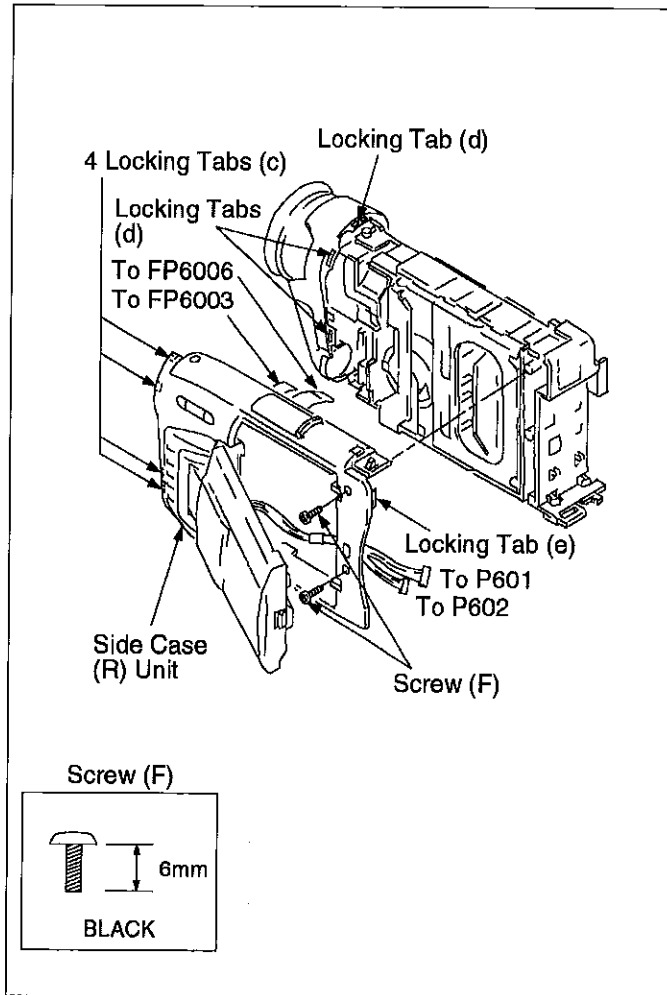


Fig.6

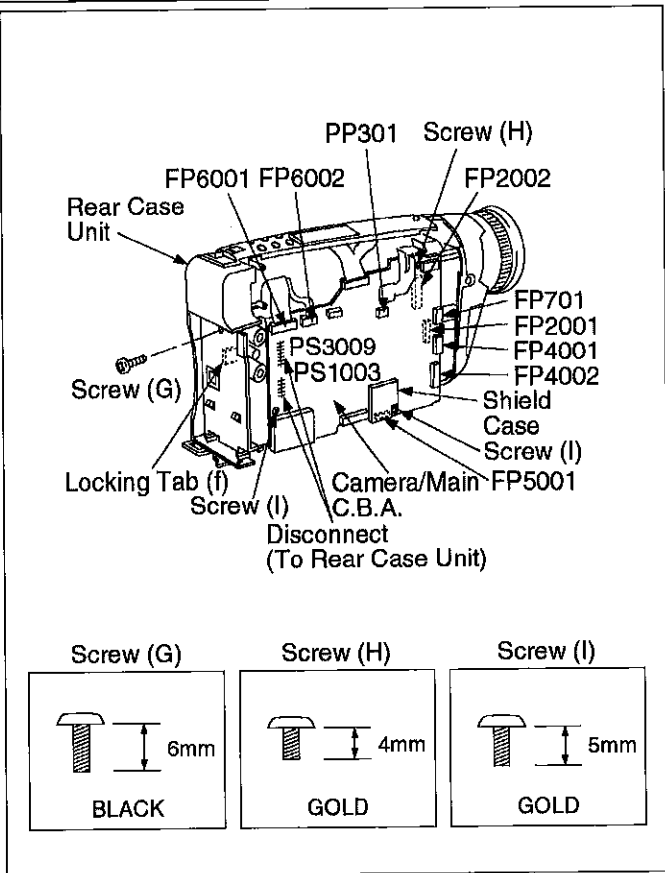


Fig.7

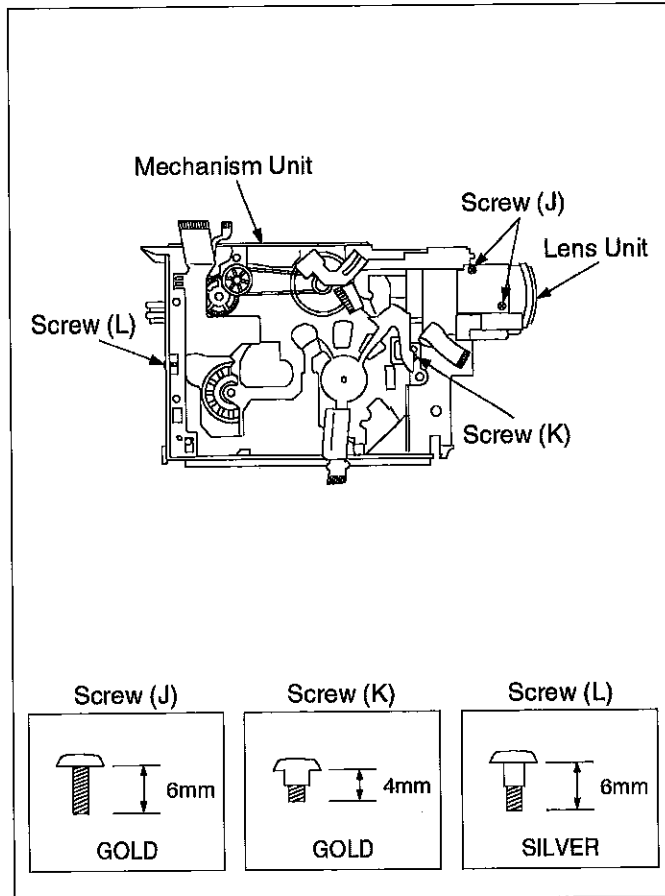


Fig.8

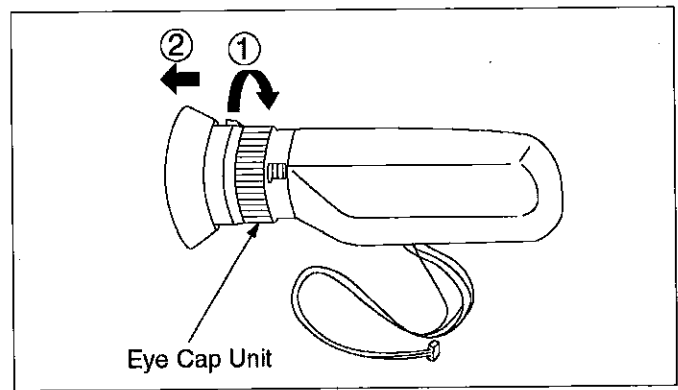


Fig.9

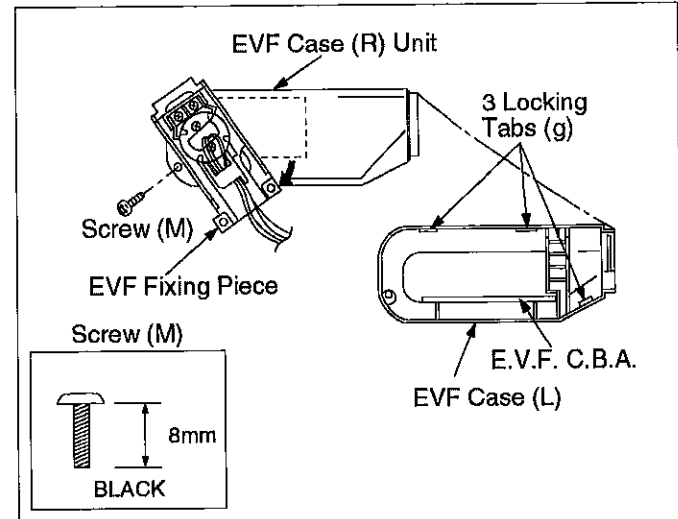


Fig.10

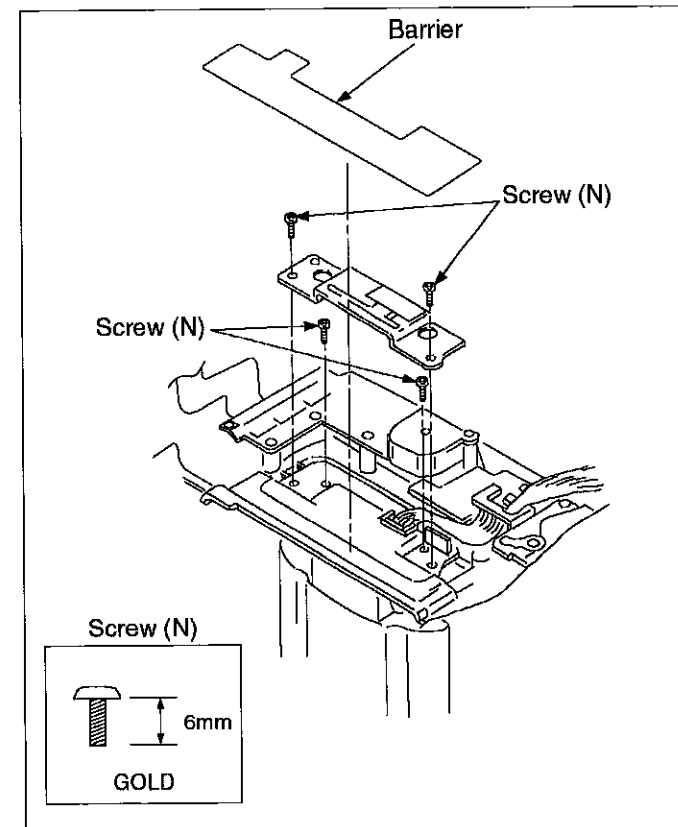


Fig.11

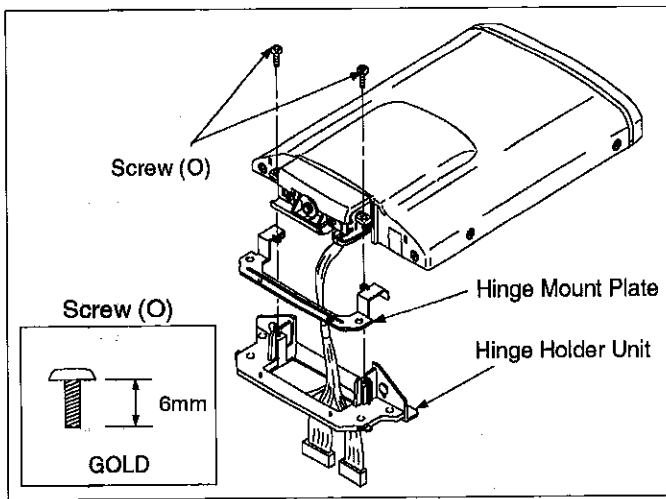


Fig. 12

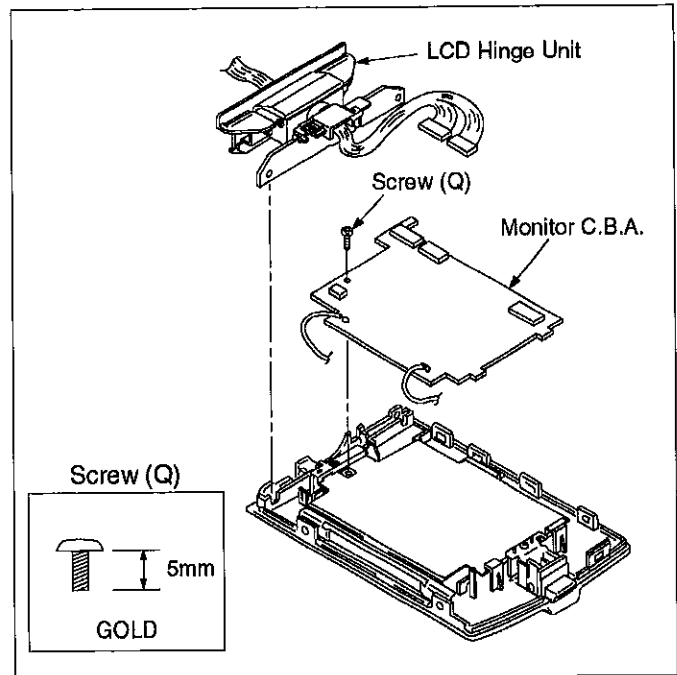


Fig. 15

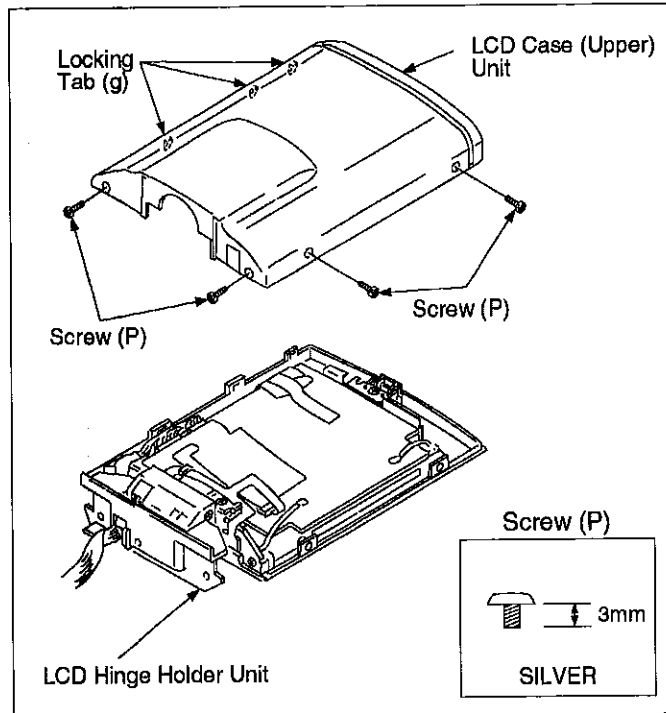


Fig. 13

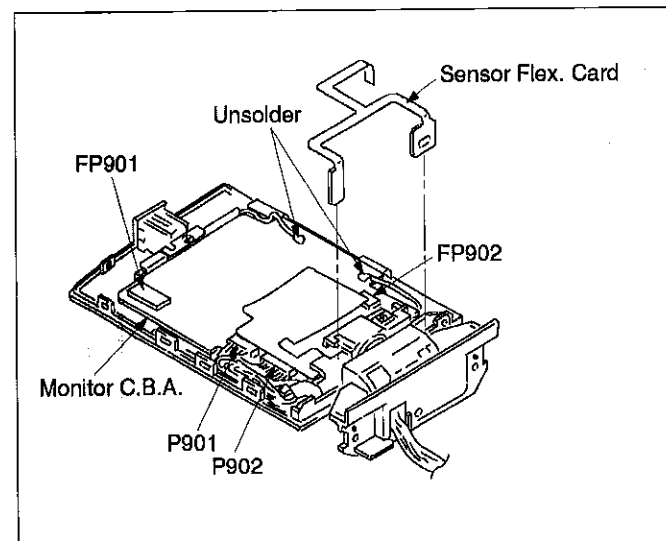


Fig. 14

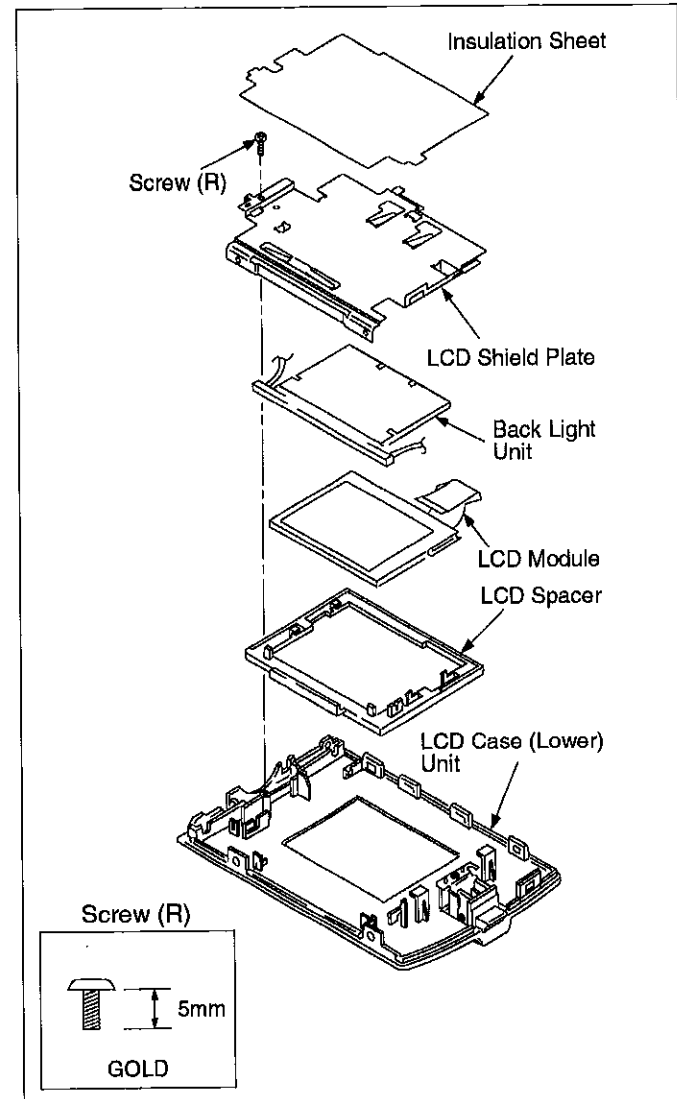



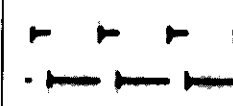










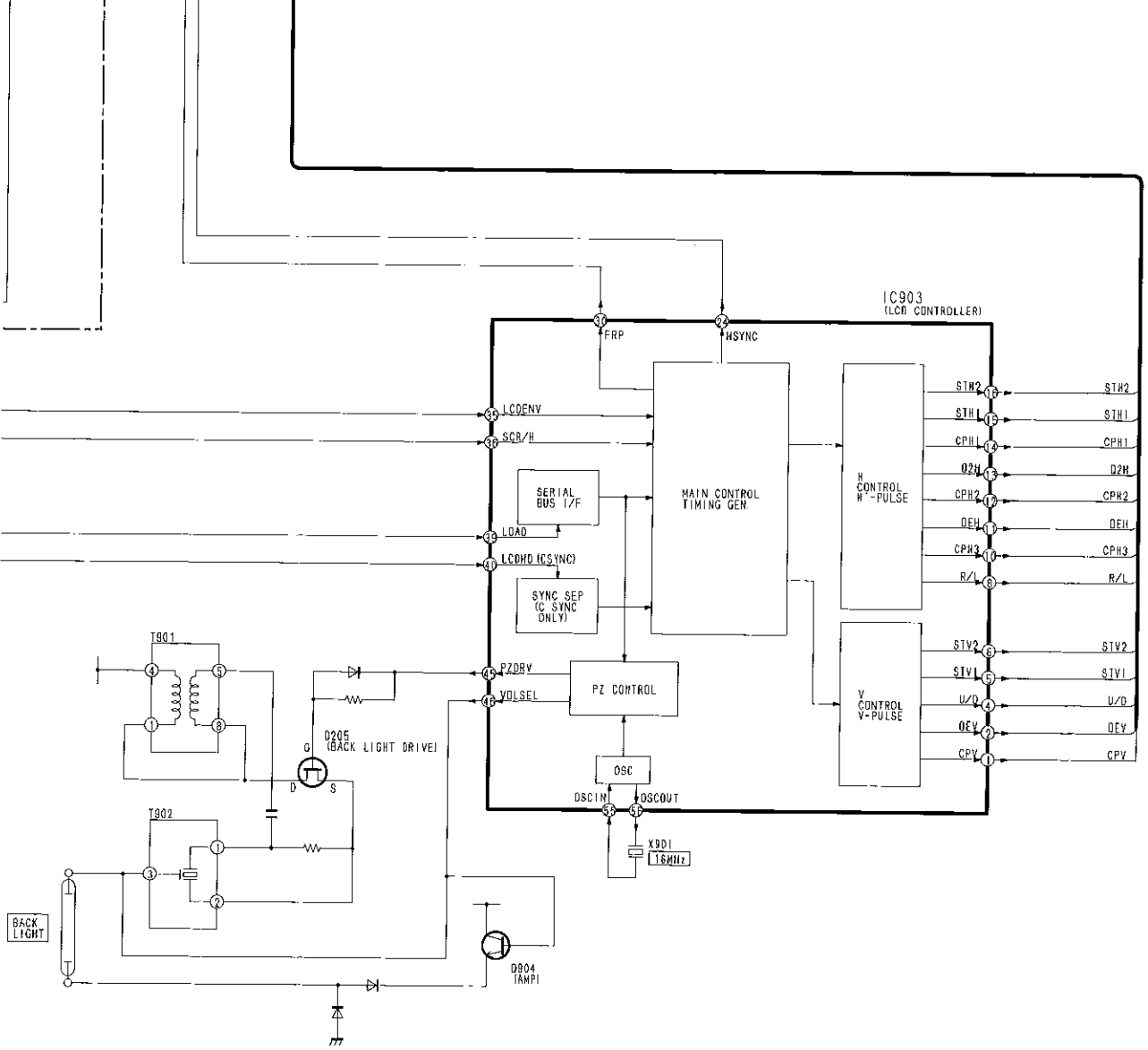
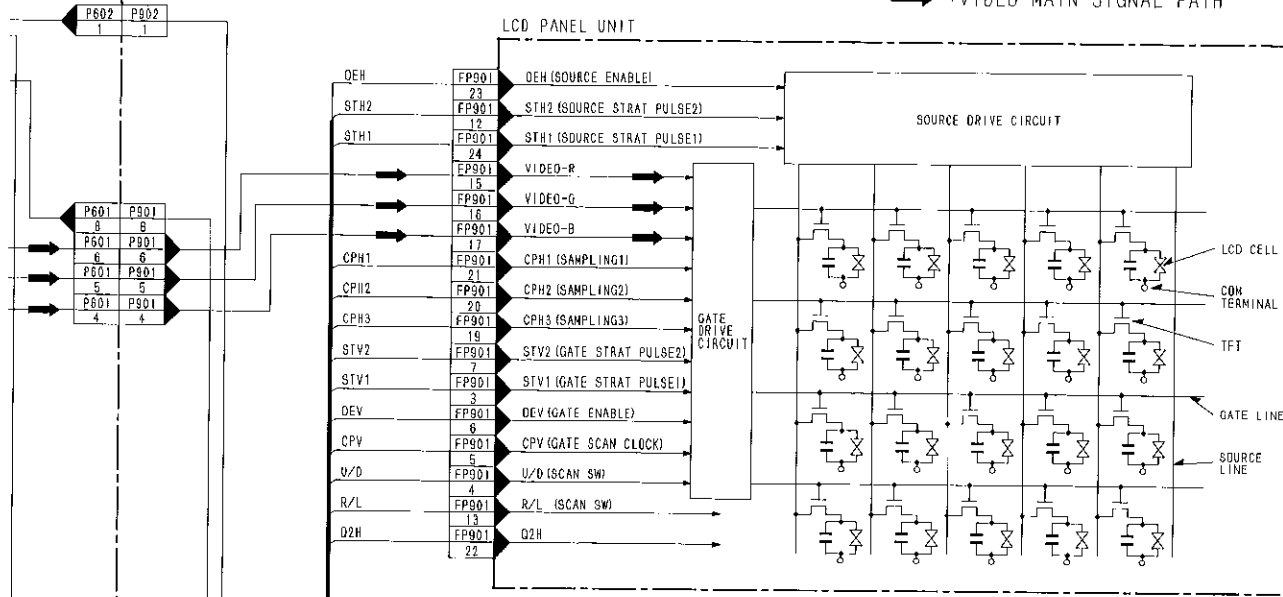
Fig. 16

5 WAVEFORM TABLE

 <p>CL901 STOP 4.6 Vp-p (20µsec/div.) COLOUR BAR</p>	 <p>CL902 STOP 4.4 Vp-p (20µsec/div.) COLOUR BAR</p>	 <p>CL903 STOP 4.4 Vp-p (20µsec/div.) COLOUR BAR</p>	 <p>IC903-45 STOP 8.8 Vp-p (2µsec/div.) COLOUR BAR</p>	 <p>IC903-46 STOP 4.8 Vp-p (2msec/div.) COLOUR BAR</p>
 <p>IC601-3 STOP 1.3 Vp-p (20µsec/div.) COLOUR BAR</p>	 <p>IC601-20 STOP 4.8 Vp-p (20µsec/div.) COLOUR BAR</p>	 <p>IC601-22 STOP 4.8 Vp-p (20µsec/div.) COLOUR BAR</p>	 <p>IC601-24 STOP 5.0 Vp-p (20µsec/div.) COLOUR BAR</p>	 <p>IC601-29 STOP 3.0 Vp-p (20µsec/div.) COLOUR BAR</p>
 <p>IC601-37 STOP 3.6 Vp-p (20µsec/div.) COLOUR BAR</p>	 <p>IC601-39, 40, 41 STOP 2.8 Vp-p (5msec/div.) COLOUR BAR</p>			

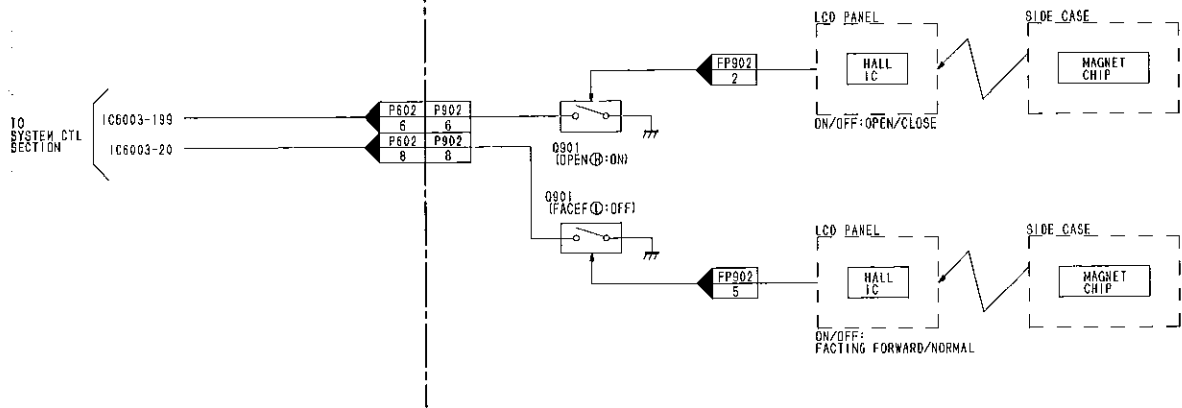
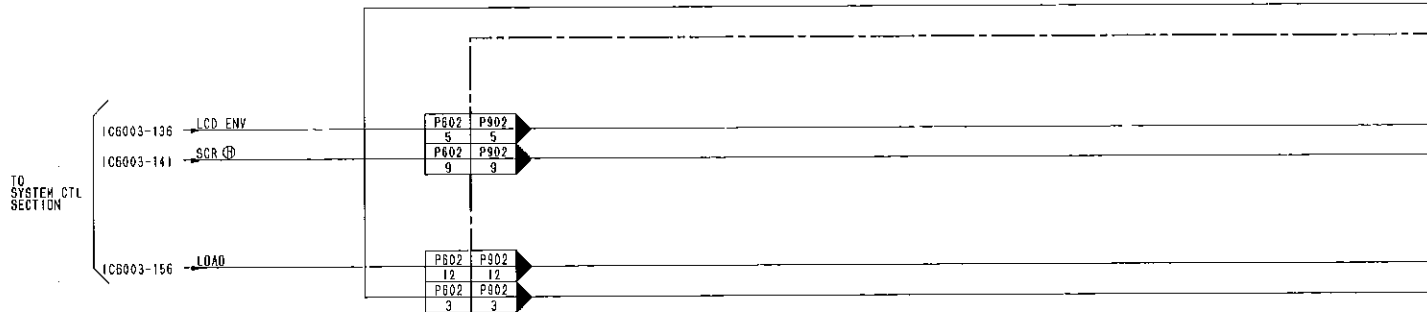
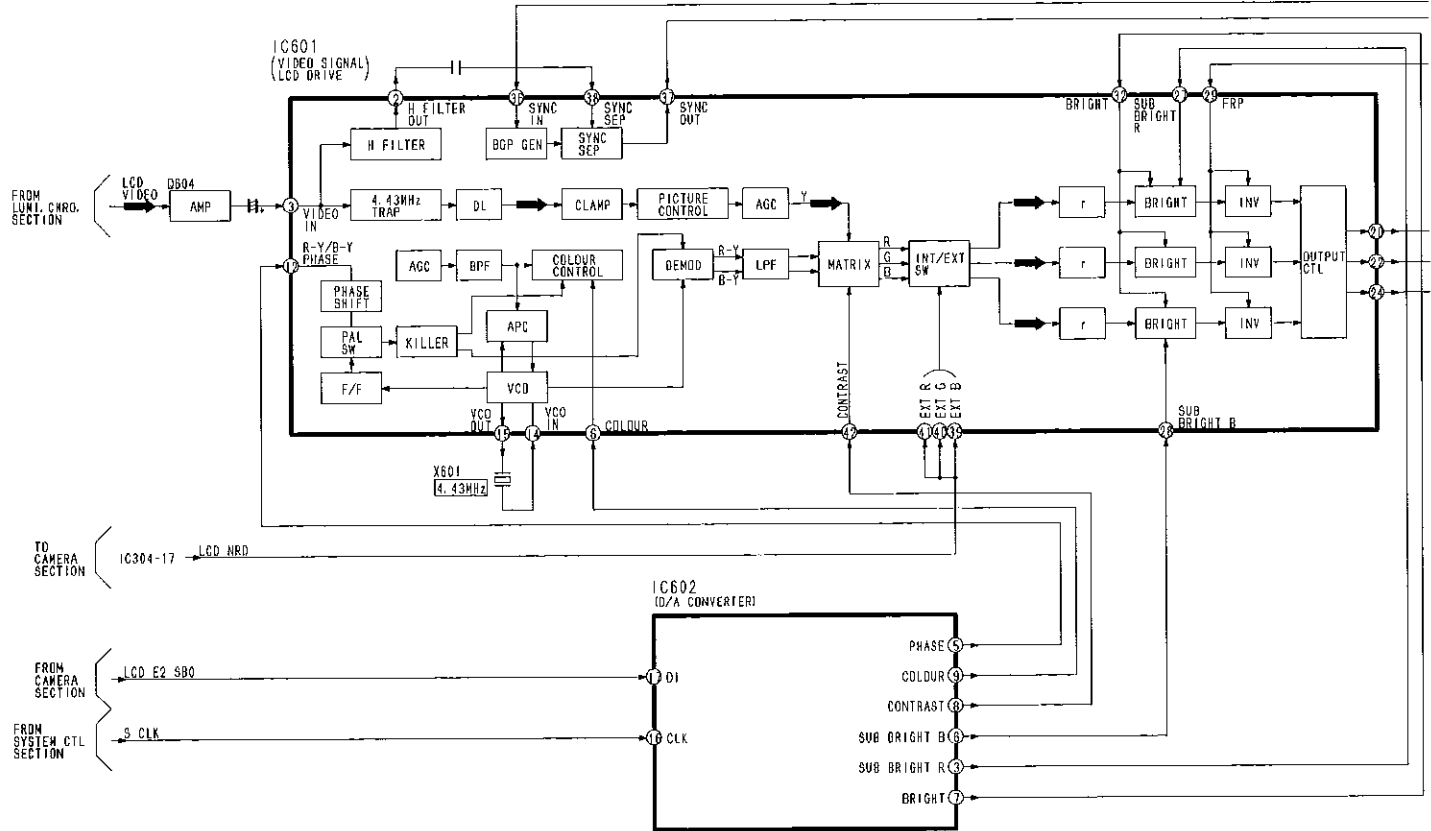
CTIDN MONITOR SECTION

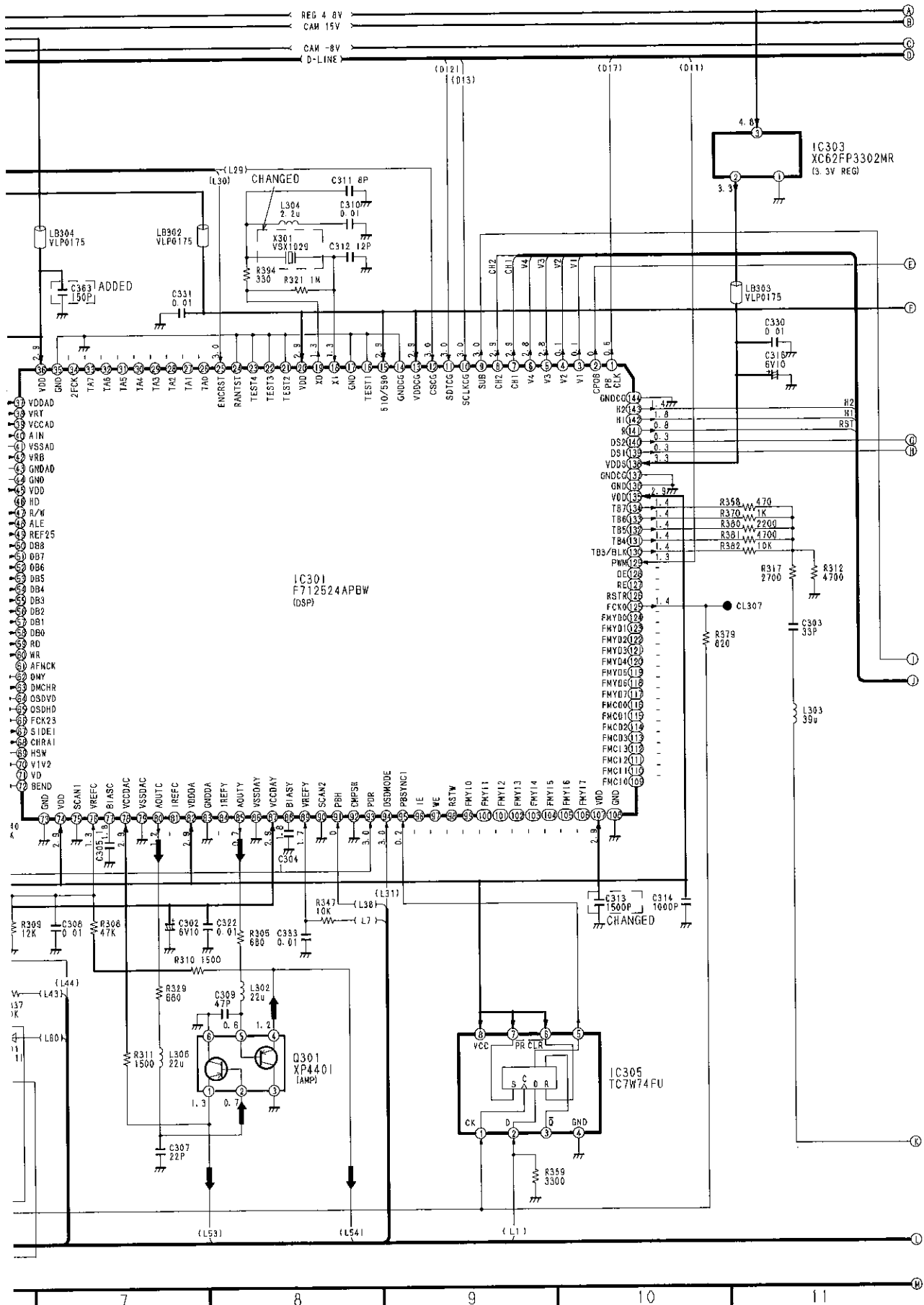
➔ VIDEO MAIN SIGNAL PATH



6 BLOCK DIAGRAMS

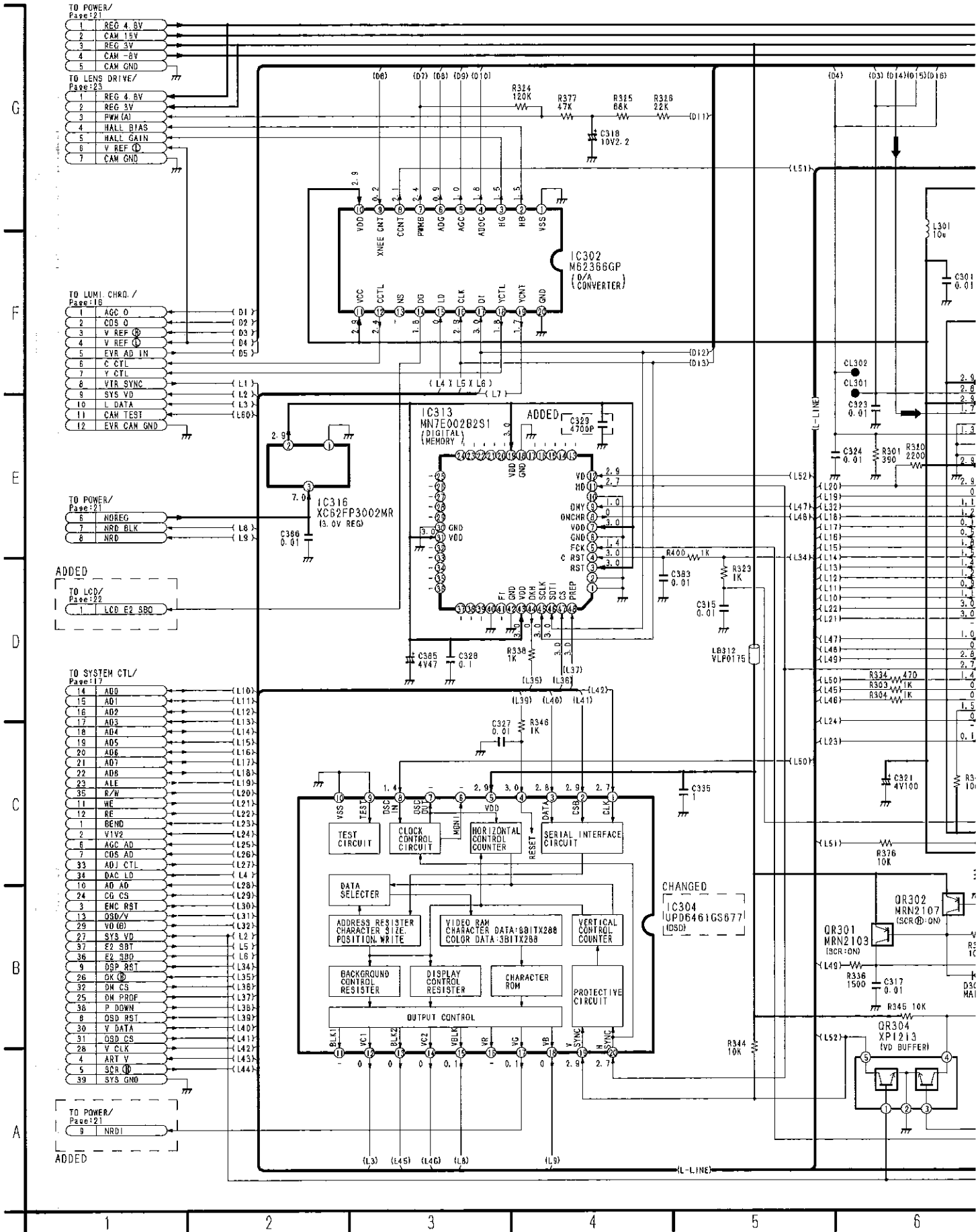
6.1. MONITOR BLOCK DIAGRAM

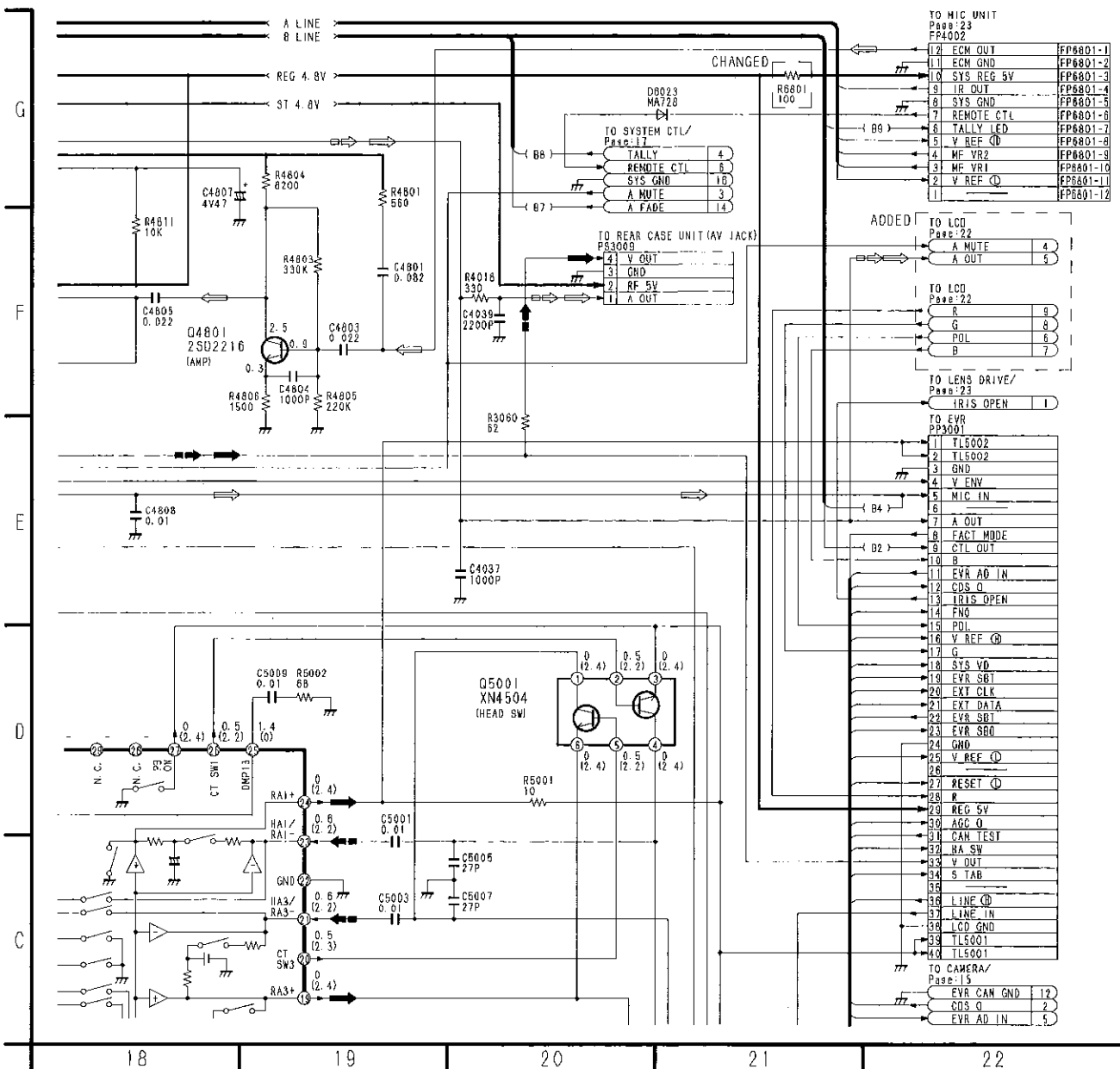
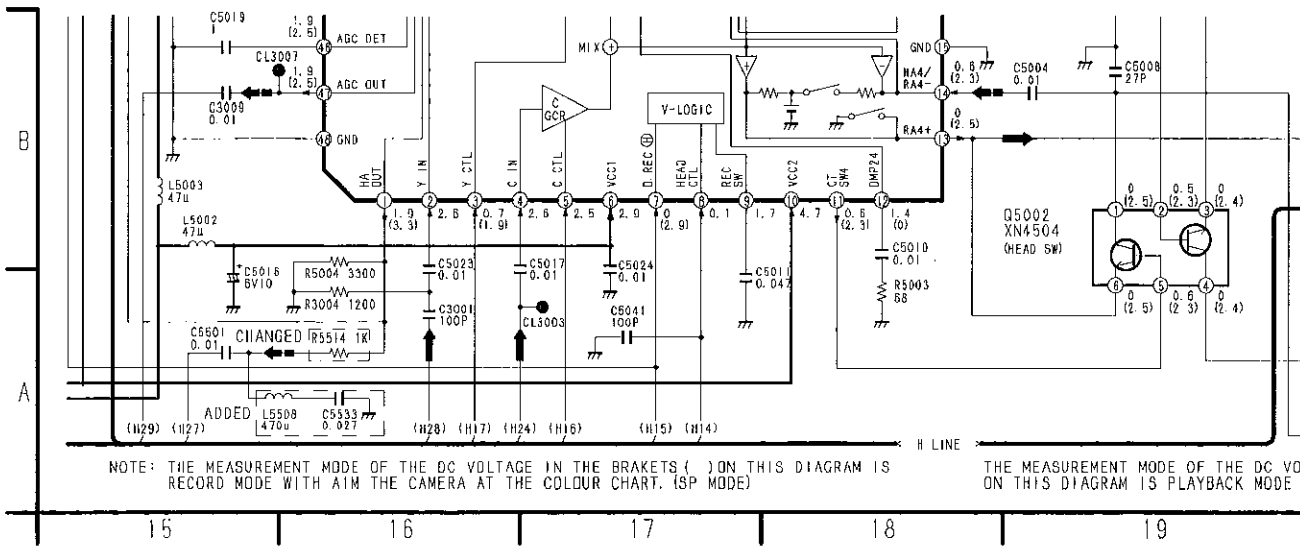


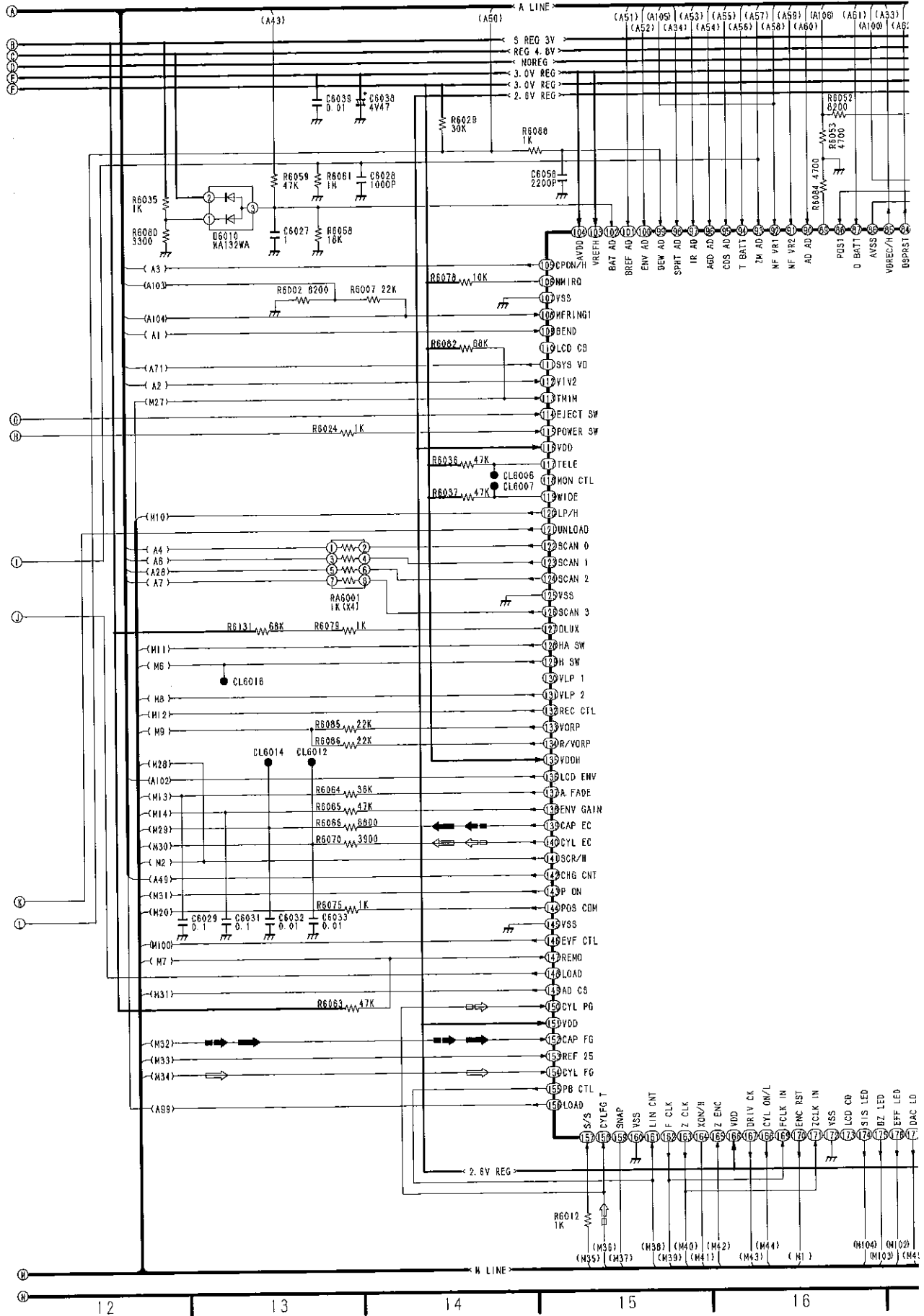


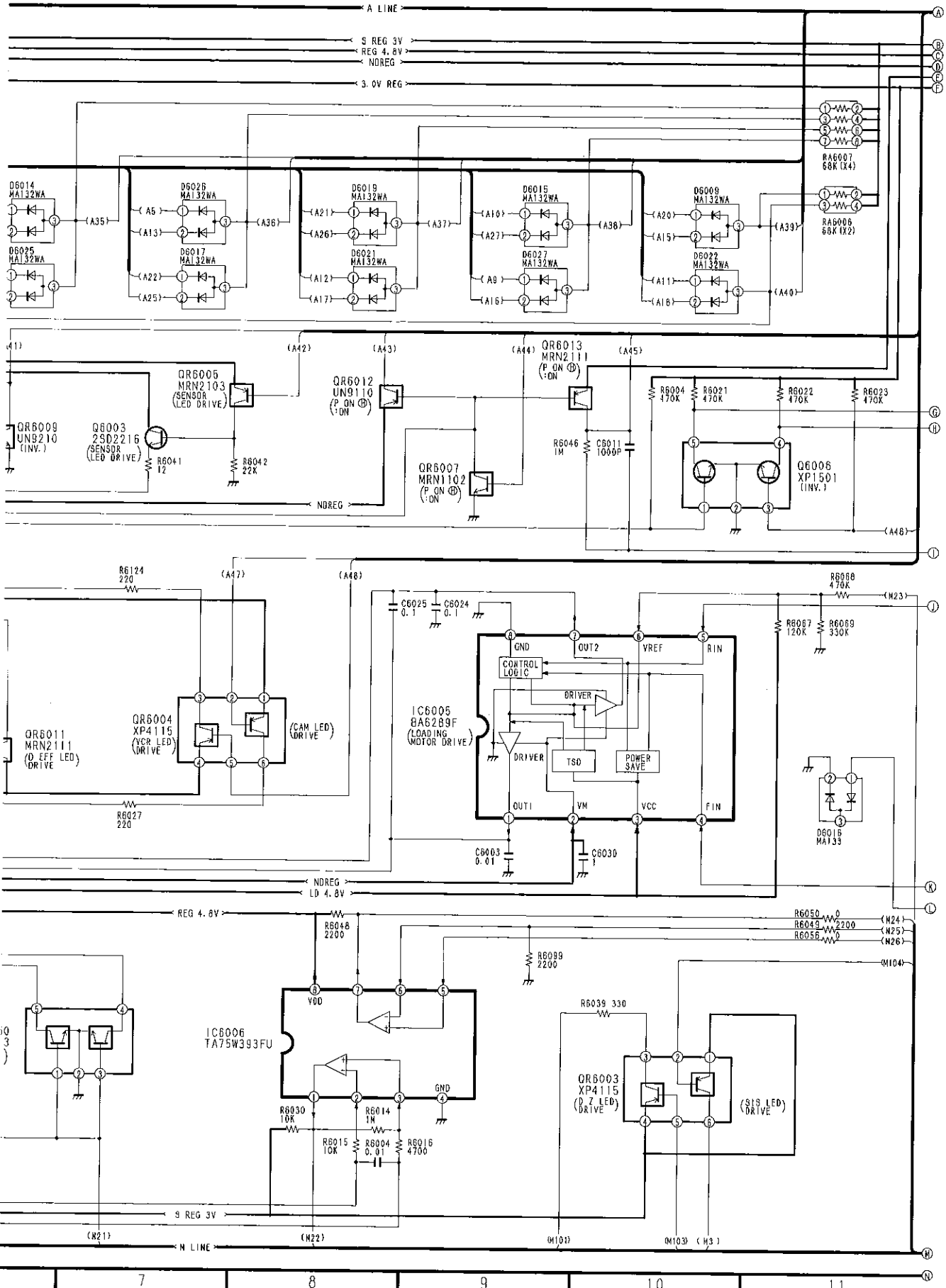
7 SCHEMATIC DIAGRAMS

7.1. CAMERA SCHEMATIC DIAGRAM

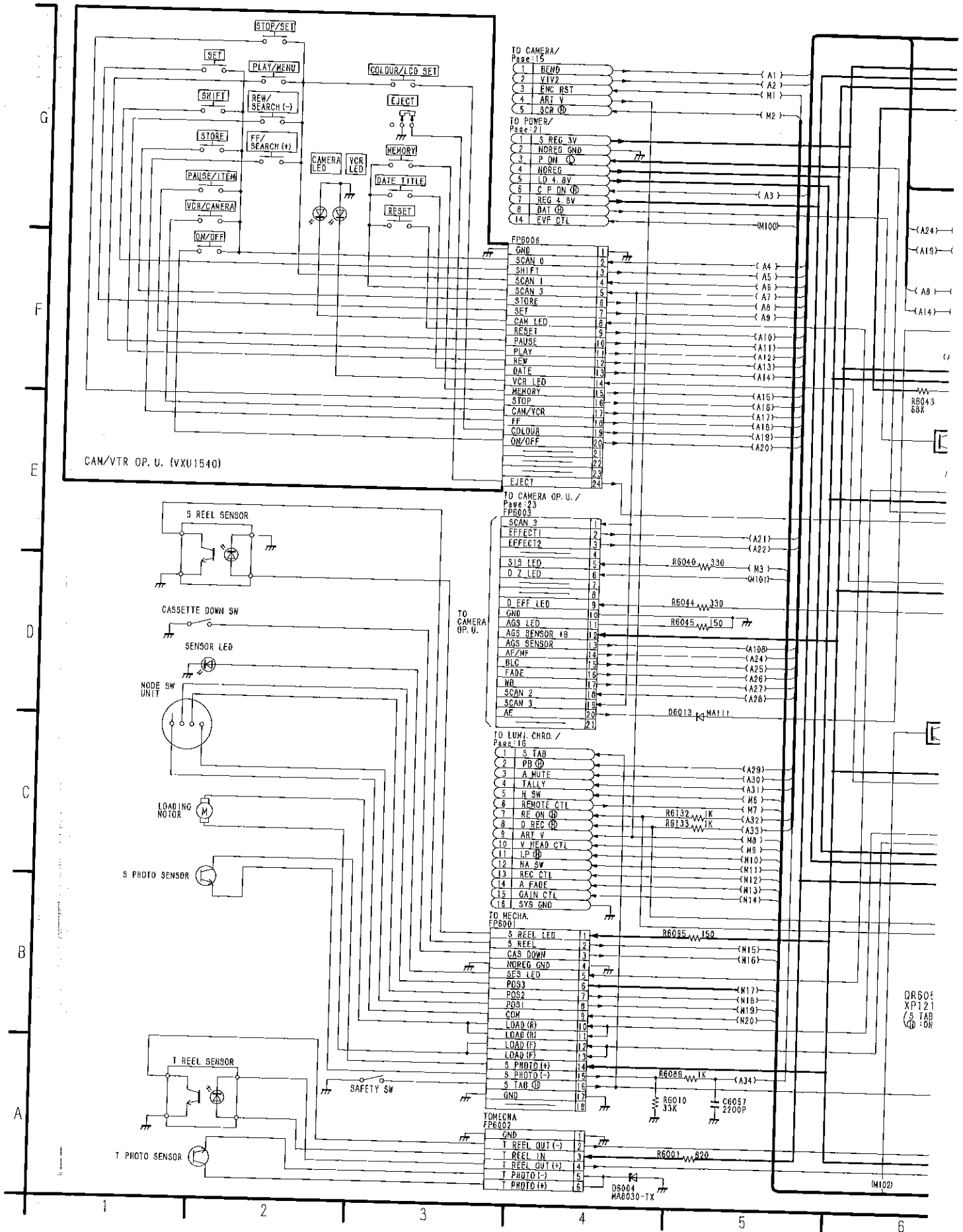


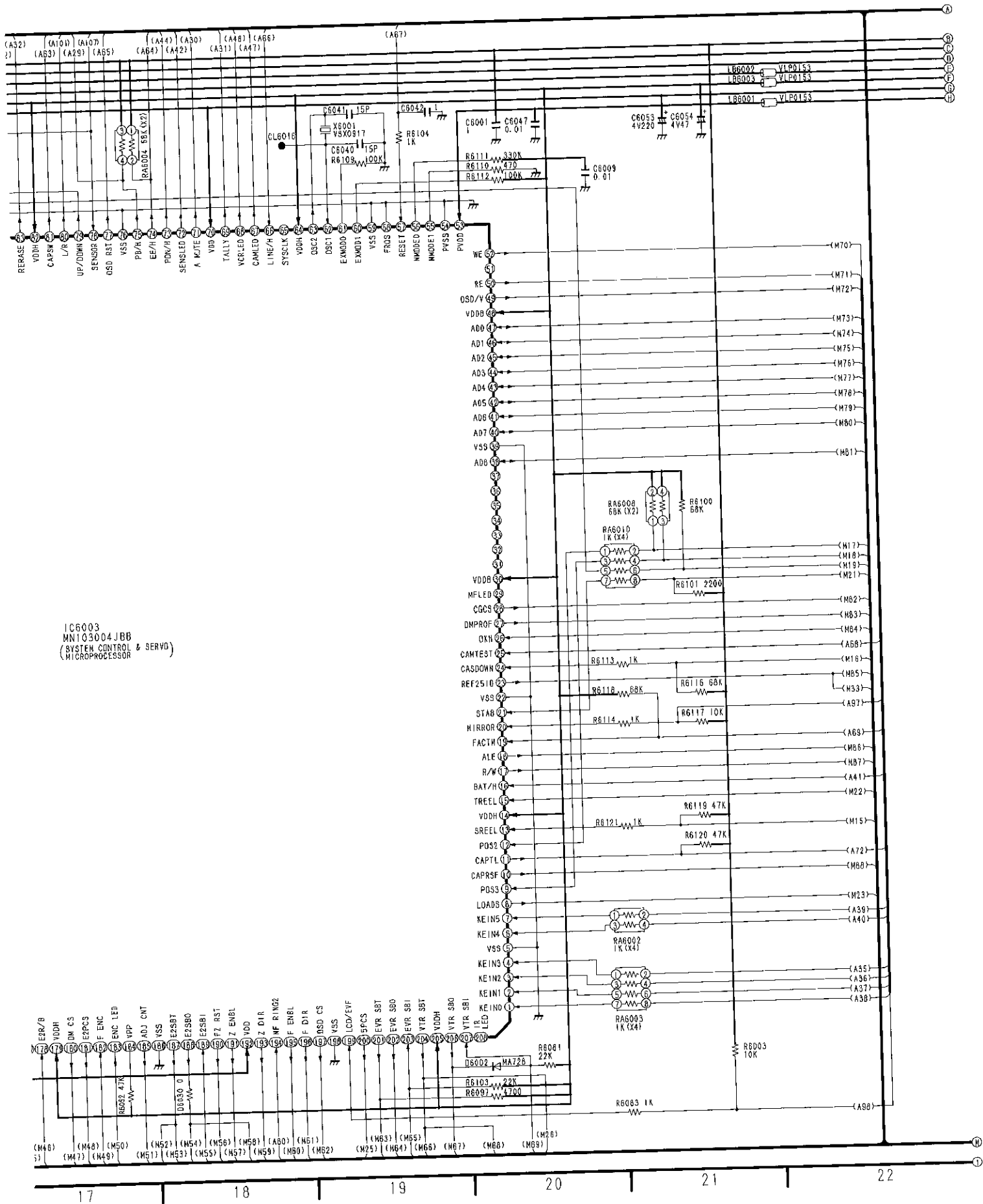




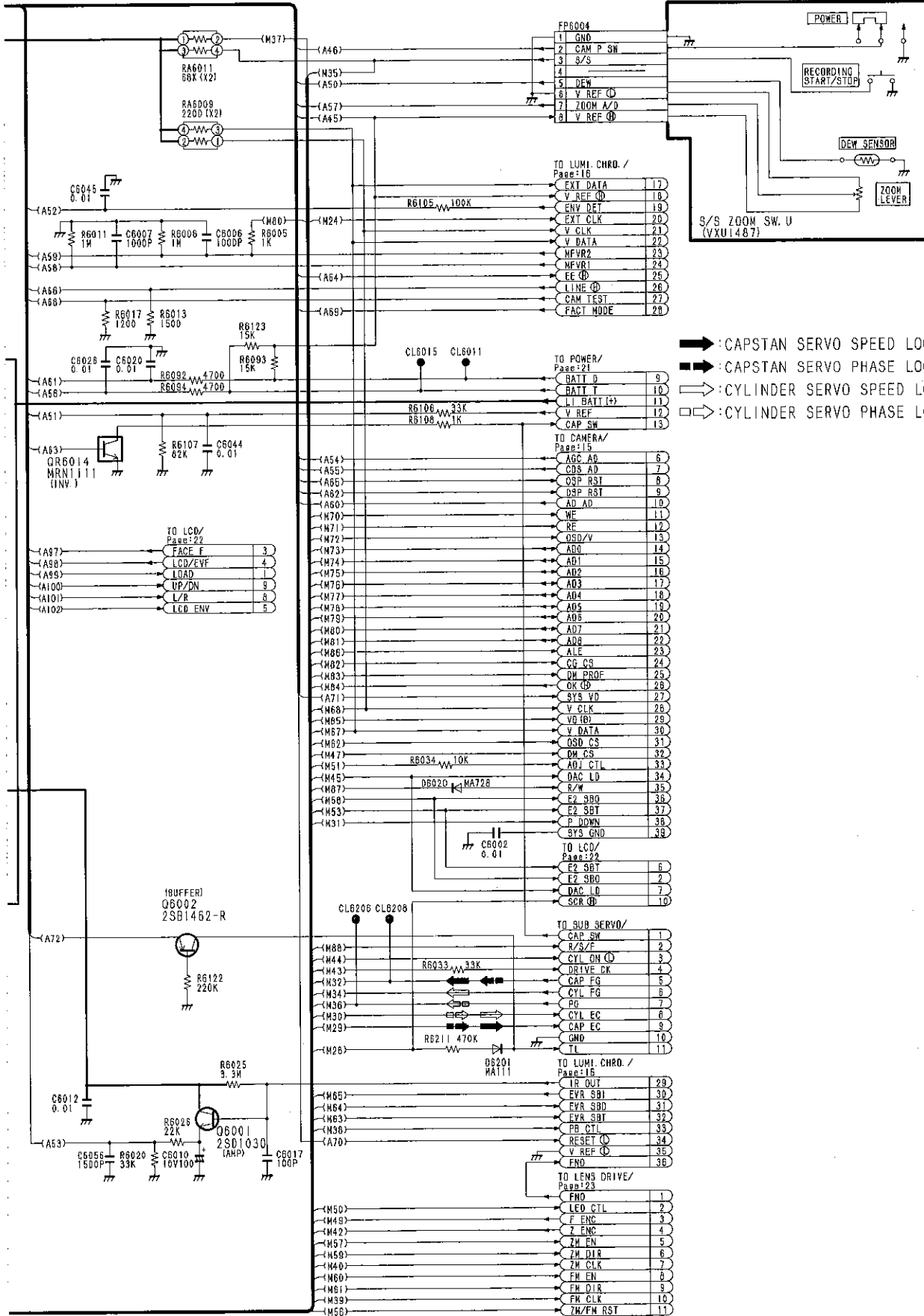


7.3. SYSTEM CONTROL & SERVO SCHEMATIC DIAGRAM





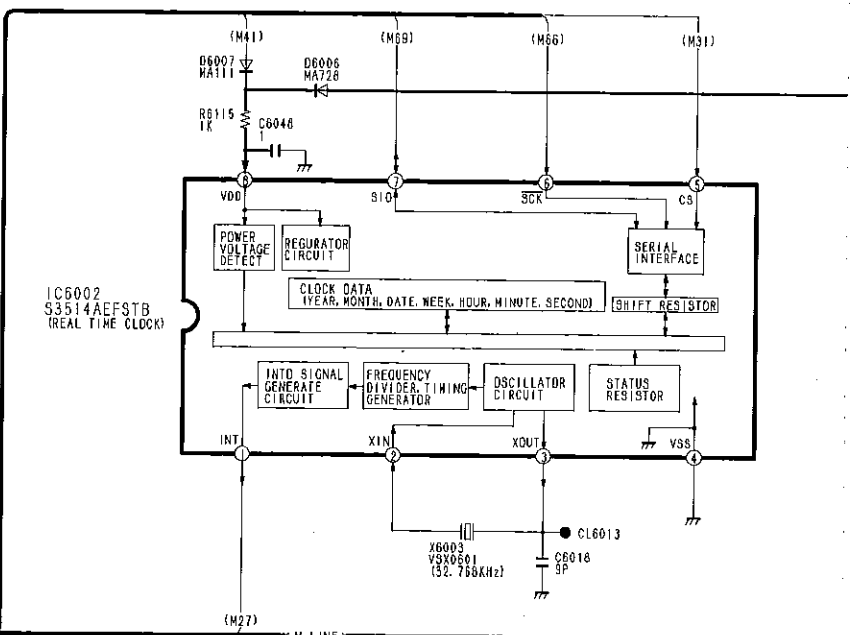
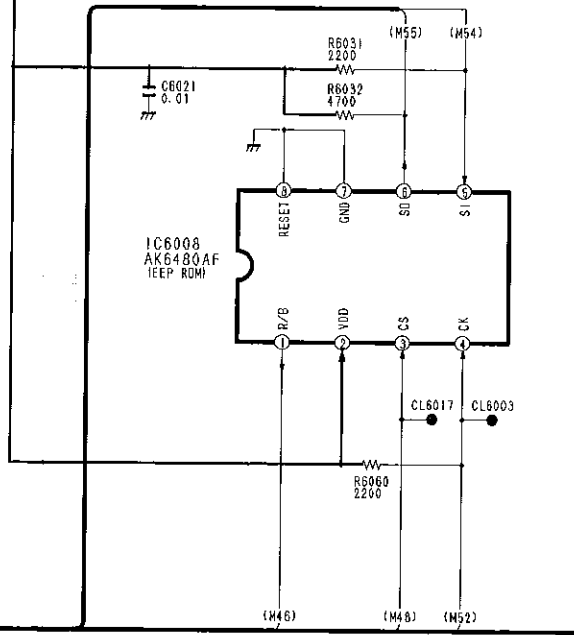
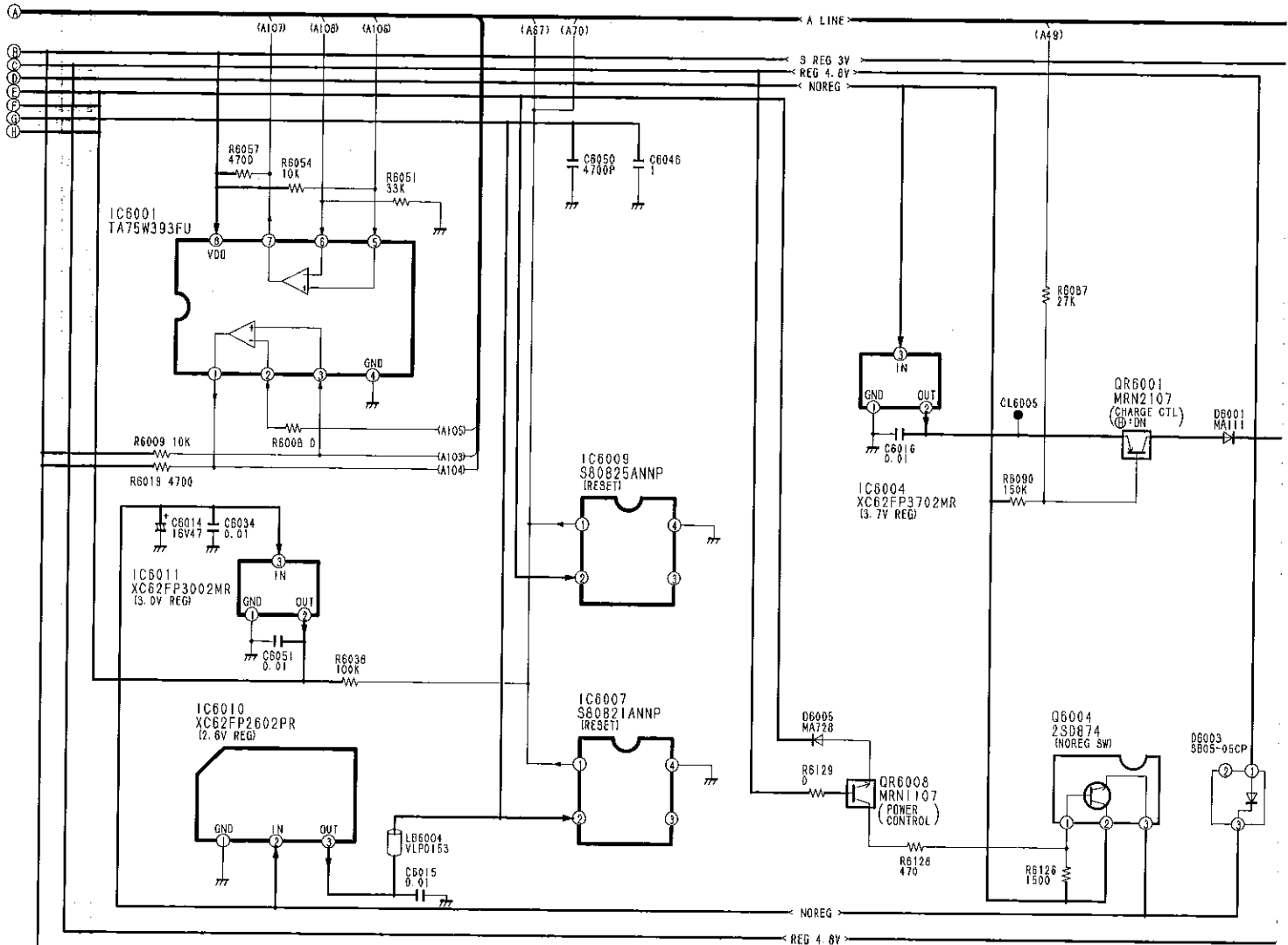
IC6003
MNT03004JBB
(SYSTEM CONTROL & SERVO)
MICROPROCESSOR



- ➡ :CAPSTAN SERVO SPEED LOOP
- ➡➡ :CAPSTAN SERVO PHASE LOOP
- ⇄ :CYLINDER SERVO SPEED LOOP
- ⇄⇄ :CYLINDER SERVO PHASE LOOP

FP6004	
1	GND
2	CAM P SW
3	S/S
4	
5	DEW
6	V REF ⊕
7	ZOOM A/D
8	V REF ⊕
TO LUMI. CHRD. / Page:16	
12	EXT DATA
16	V REF ⊕
19	ENV DET
20	EXT CLK
21	V DATA
23	MFR2
24	MFR1
25	EE ⊕
26	LINE ⊕
27	CAM TEST
28	FACT MODE
TO POWER/ Page:21	
9	BATT D
10	BATT T
11	L1 BATT (+)
12	V REF
13	CAP SW
TO CAMERA/ Page:15	
6	AGC AD
7	CBS AD
8	OSP BST
9	DSP BST
10	AD AD
11	WE
12	RE
13	OSD/V
14	AD0
15	AD1
16	AD2
17	AD3
18	AD4
19	AD5
20	AD6
21	AD7
22	AD8
23	ALE
24	CS CS
25	DM PRGF
26	OK CS
27	SYS VD
28	V CLK
29	V (B)
30	V DATA
31	OSD CS
32	DM CS
33	ADJ CTL
34	DAC LD
35	R/W
36	E2 SBO
37	E2 SBT
38	P DOWN
39	SYS GND
TO LCD/ Page:22	
6	E2 SBT
7	E2 SBO
7	DAC LD
10	SCR ⊕
TO SUB SERVO/	
1	CAP SW
2	R/SZ
3	CYL ON ⊕
4	DRIVE CK
5	CAP FG
6	CYL FG
7	PG
8	CYL EC
9	CAP EC
10	GND
11	TL
TO LUMI. CHRD. / Page:16	
29	IR OUT
30	EVR SBI
31	EVR SBD
32	EVR SBT
33	PB CTL
34	RESET ⊕
35	V REF ⊕
36	END
TO LENS DRIVE/ Page:23	
1	END
2	LED CTL
3	F ENC
4	Z ENC
5	ZM EN
6	ZM DIR
7	ZM CLK
8	FM EN
9	FM DIR
10	FR CLK
11	ZH/FM RST

WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

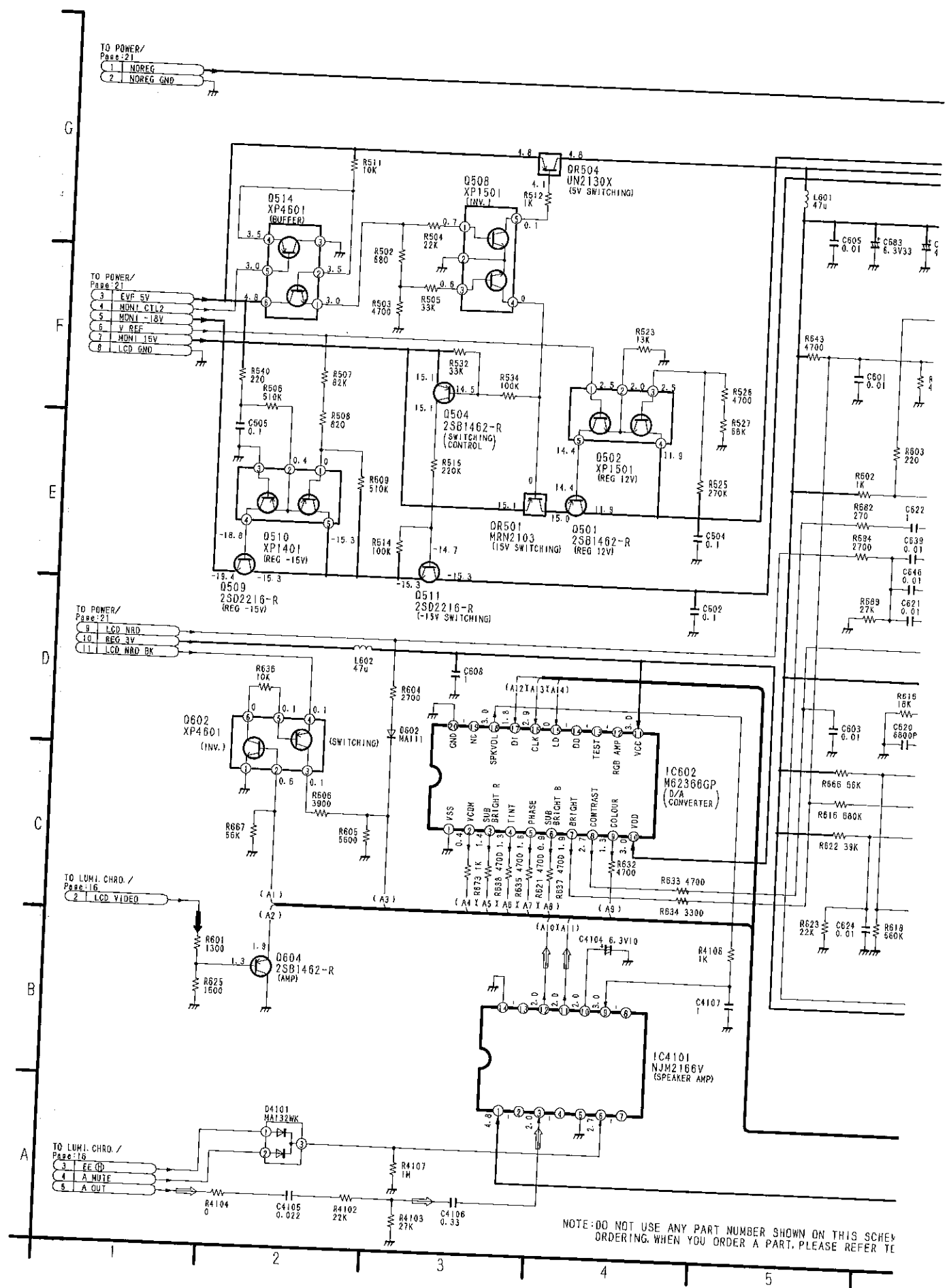


NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.

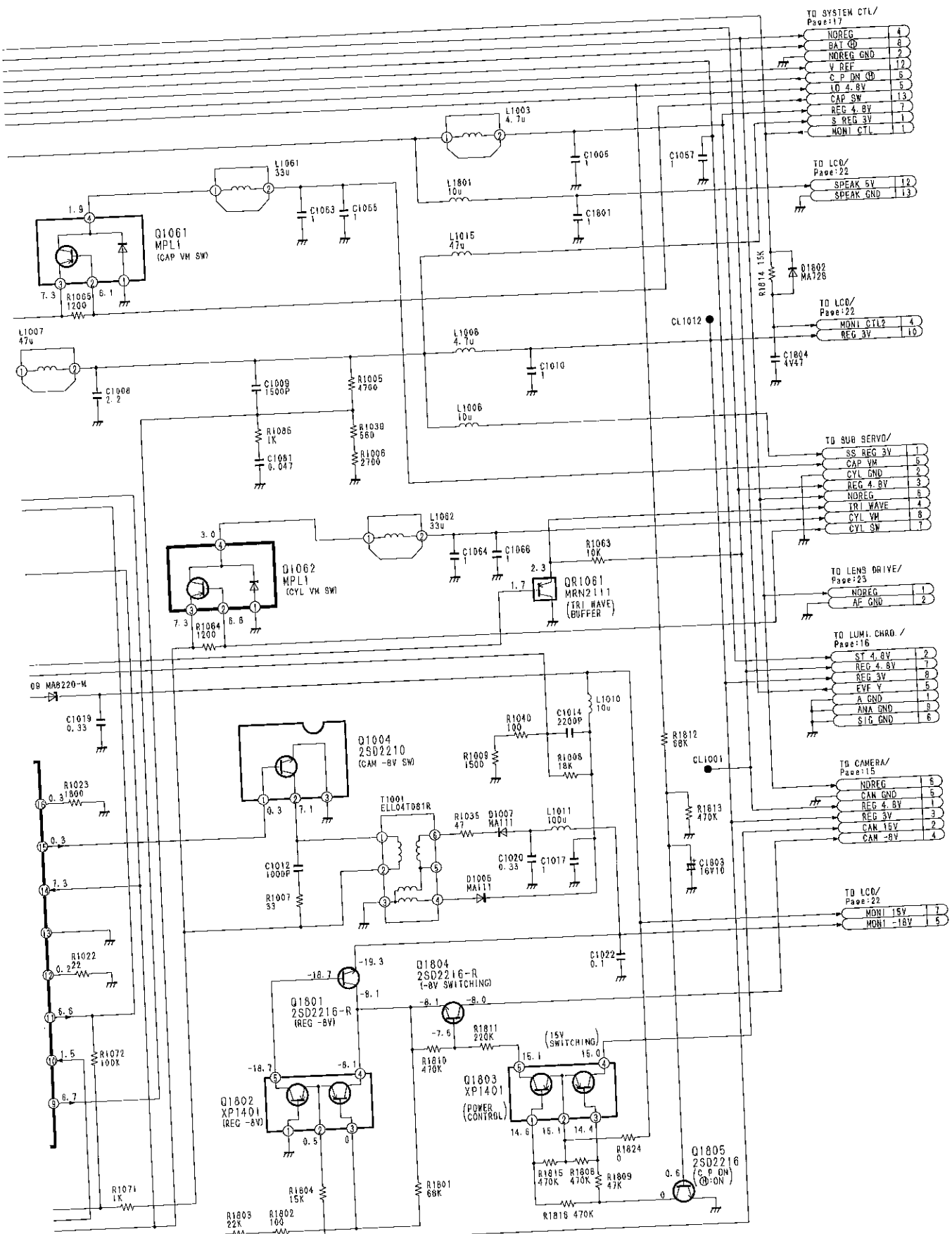
Ref No.	Q6001			Q6002			Q6003			Q6004			Q6006					
	E	C	B	E	C	B	E	C	B	1	2	3	1	2	3	4	5	
MODE																		
STOP	2.5	4.8	2.2	0	0.3	0	0.1	7.6	0	4.2	7.0	4.5	0.5	0	0	2.8	0	
PLAY	2.7	4.8	2.4	3.0	3.0	2.4	0.1	7.6	0	4.2	7.0	4.5	0.5	0	0	2.8	0	
FF	3.0	4.8	2.6	3.0	3.0	2.4	0.1	7.6	0	4.2	7.0	4.5	0.5	0	0	2.8	0	
Ref No.	QR6001			QR6003						QR6004						QR6005		
MODE	E	C	B	1	2	3	4	5	6	1	2	3	4	5	6	E	C	B
STOP	3.7	3.7	2.6	3.0	3.0	0	3.0	3.0	0	3.0	0	-1.3	3.0	3.0	2.9	3.0	0	3.0
PLAY	3.7	3.7	2.6	3.0	3.0	0	3.0	3.0	0	3.0	3.0	2.9	3.0	0	-1.0	3.0	0	3.0
FF	3.7	3.7	2.6	3.0	3.0	0	3.0	3.0	0	3.0	3.0	3.0	3.0	0	-1.0	3.0	0	3.0
Ref No.	QR6007			QR6008			QR6009			QR6011			QR6012			QR6013		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	2.9	3.3	3.4	4.8	0	3.0	0	3.0	0	3.0	7.0	7.0	0	3.0	3.0	0
PLAY	0	0	2.9	3.3	3.4	4.8	0	3.0	0	3.0	0	3.0	7.0	7.0	0	3.0	3.0	0
FF	0	0	2.9	3.3	3.4	4.8	0	3.0	0	3.0	0	3.0	7.0	7.0	0	3.0	3.0	0
Ref No.	QR6014			QR6050														
MODE	E	C	B	1	2	3	4	5										
STOP	0	7.3	0	0	0	0	0	0										
PLAY	0	7.3	0	0	0	0	0	0										
FF	0	7.3	0	0	0	0	0	0										

9	20
9	0
9	0
9	0
9	0
9	40
)	0.6
)	0.1
)	0.9
9	60
)	2.9
)	1.4
)	2.9
9	80
0	0
0	0
0	0
9	100
)	1.7
)	0.4
)	1.7
9	120
9	0
9	0
9	0
9	140
)	1.6
2	1.6
1	1.6
9	160
9	0
9	0
9	0
9	180
9	2.9
9	2.9
9	2.9
9	200
)	0.7
)	0.7
)	0.7

7.5. LCD SCHEMATIC DIAGRAM

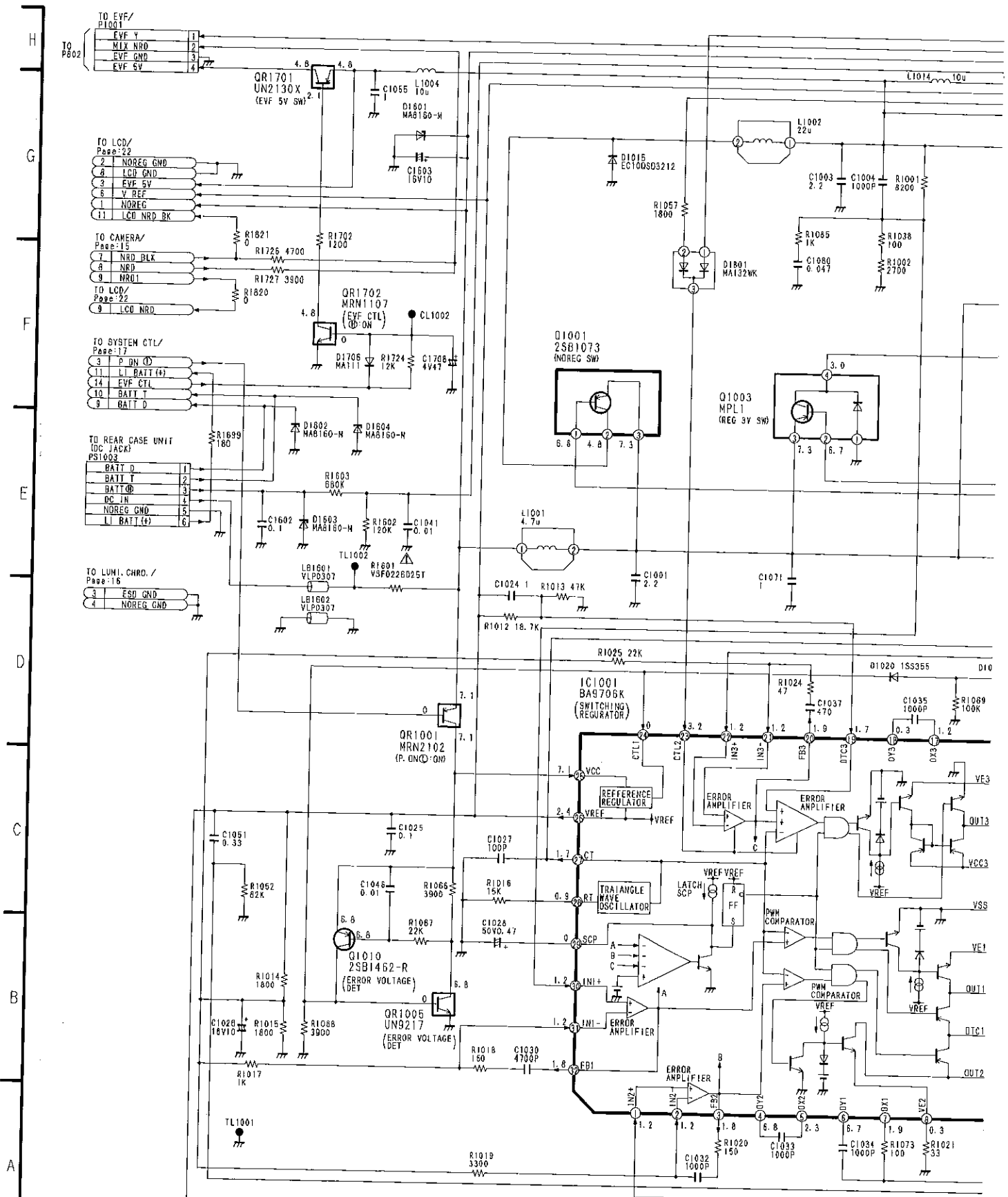



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO THE PART NUMBER LISTED IN THE PARTS LIST.



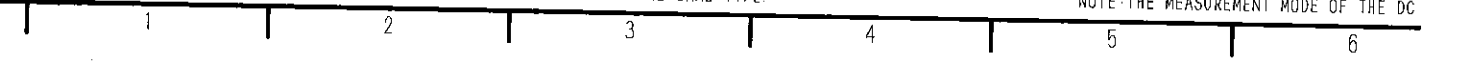
IN ON THIS SCHEMATIC DIAGRAM FOR PLEASE REFER TO PARTS LIST. VOLTAGE ON THIS DIAGRAM IS STOP MODE.

7.4. POWER SCHEMATIC DIAGRAM



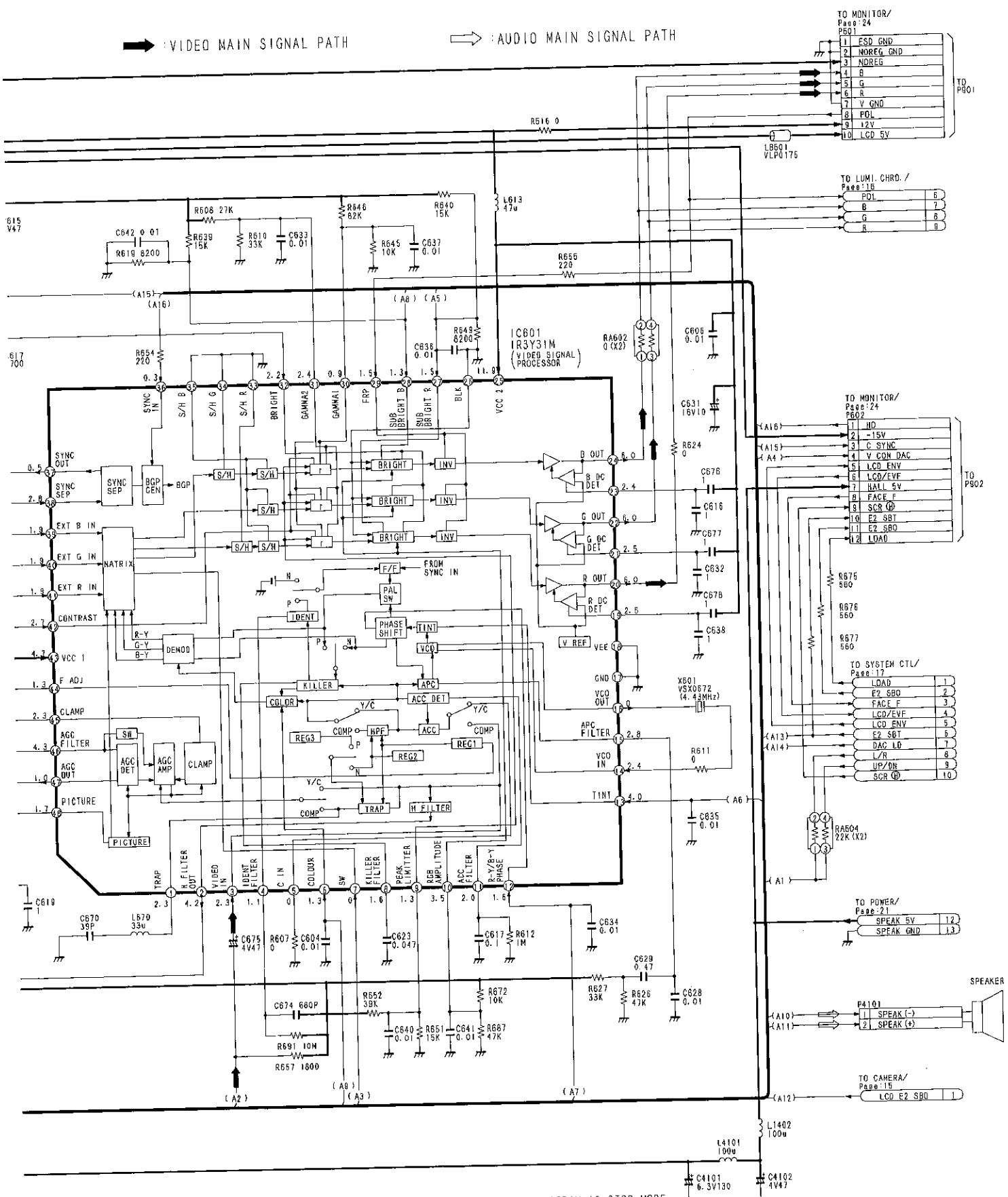
IMPORTANT SAFETY NOTICE:
 COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
 WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN
 ORDERING WHEN YOU ORDER A PART.
 NOTE: THE MEASUREMENT MODE OF THE DC



➔ VIDEO MAIN SIGNAL PATH

➔ AUDIO MAIN SIGNAL PATH

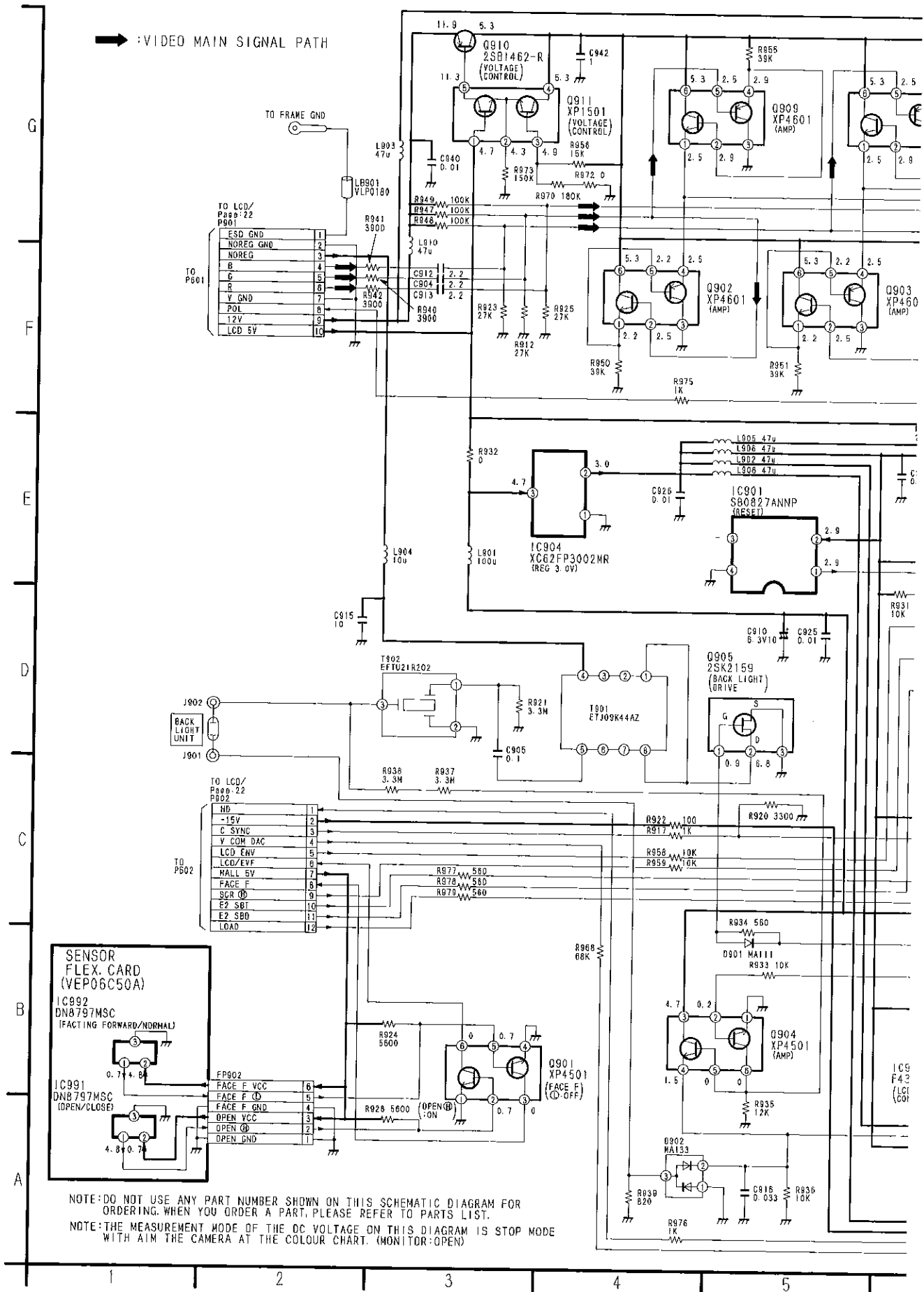


WAVEFORM DIAGRAM FOR PARTS LIST.

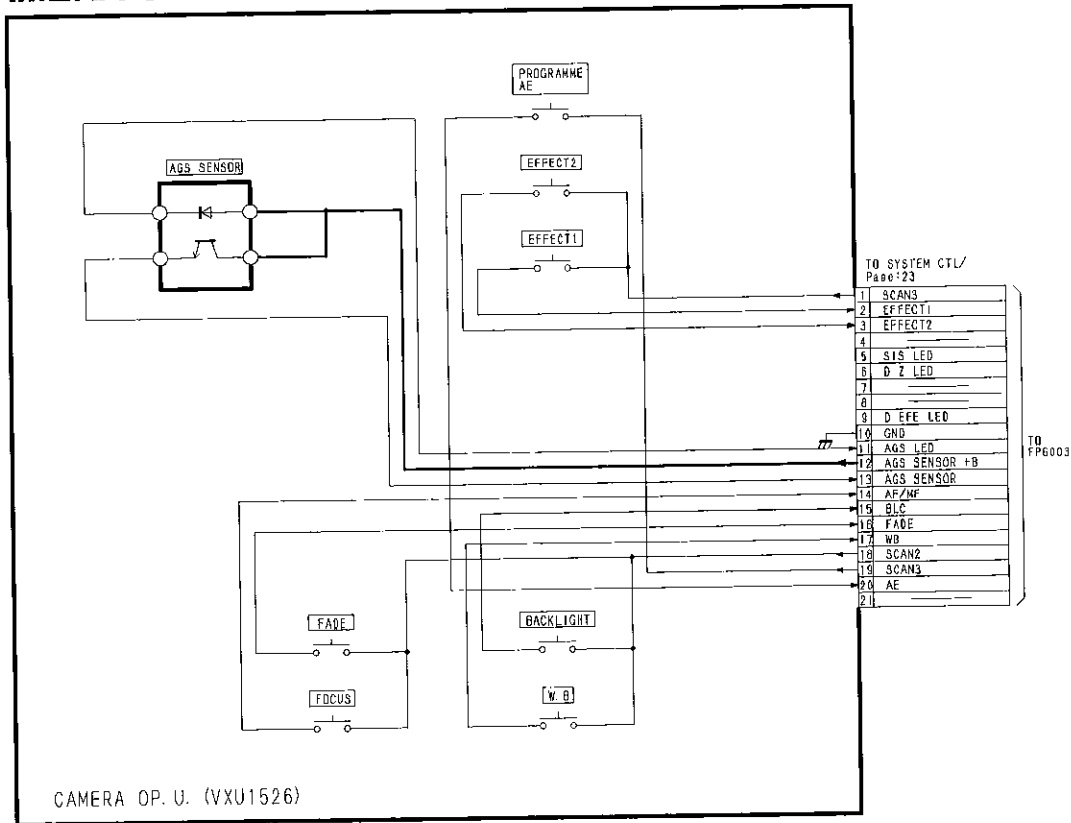
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE WITH AIM THE CAMERA AT THE COLOUR CHART. (MONITOR OPEN)

6 7 8 9 10 11

7.9. MONITOR & SENSOR FLEX. CARD SCHEMATIC DIAGRAM

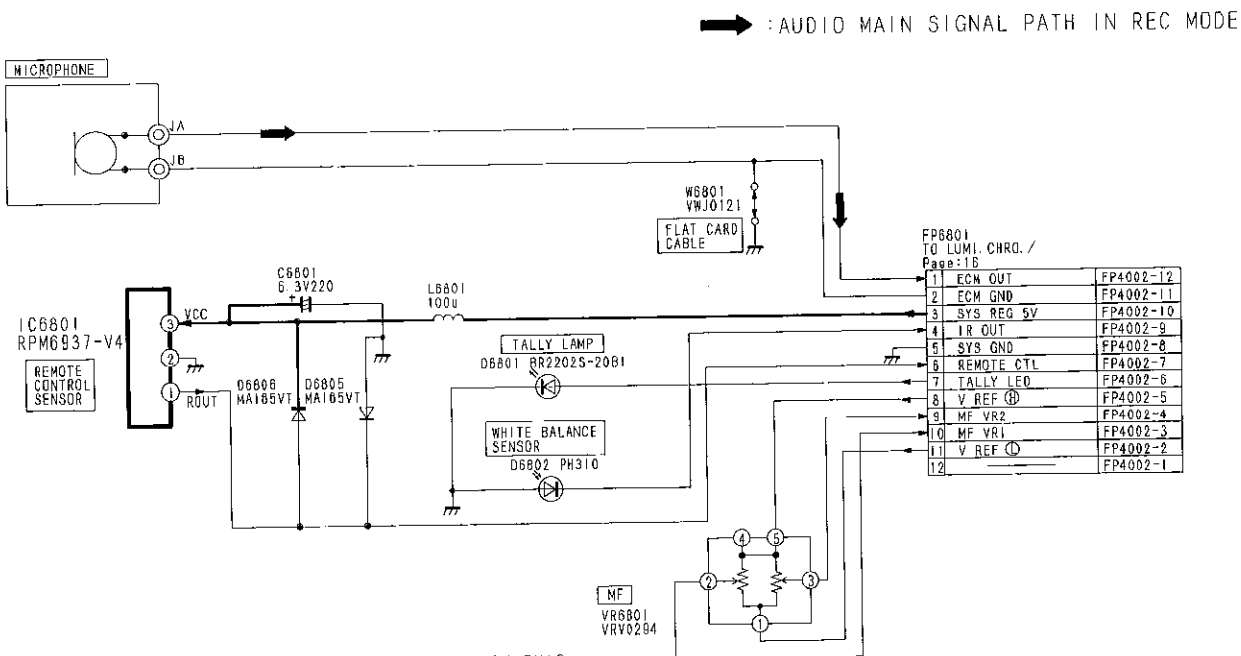


CAMERA OP. UNIT SCHEMATIC DIAGRAM



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

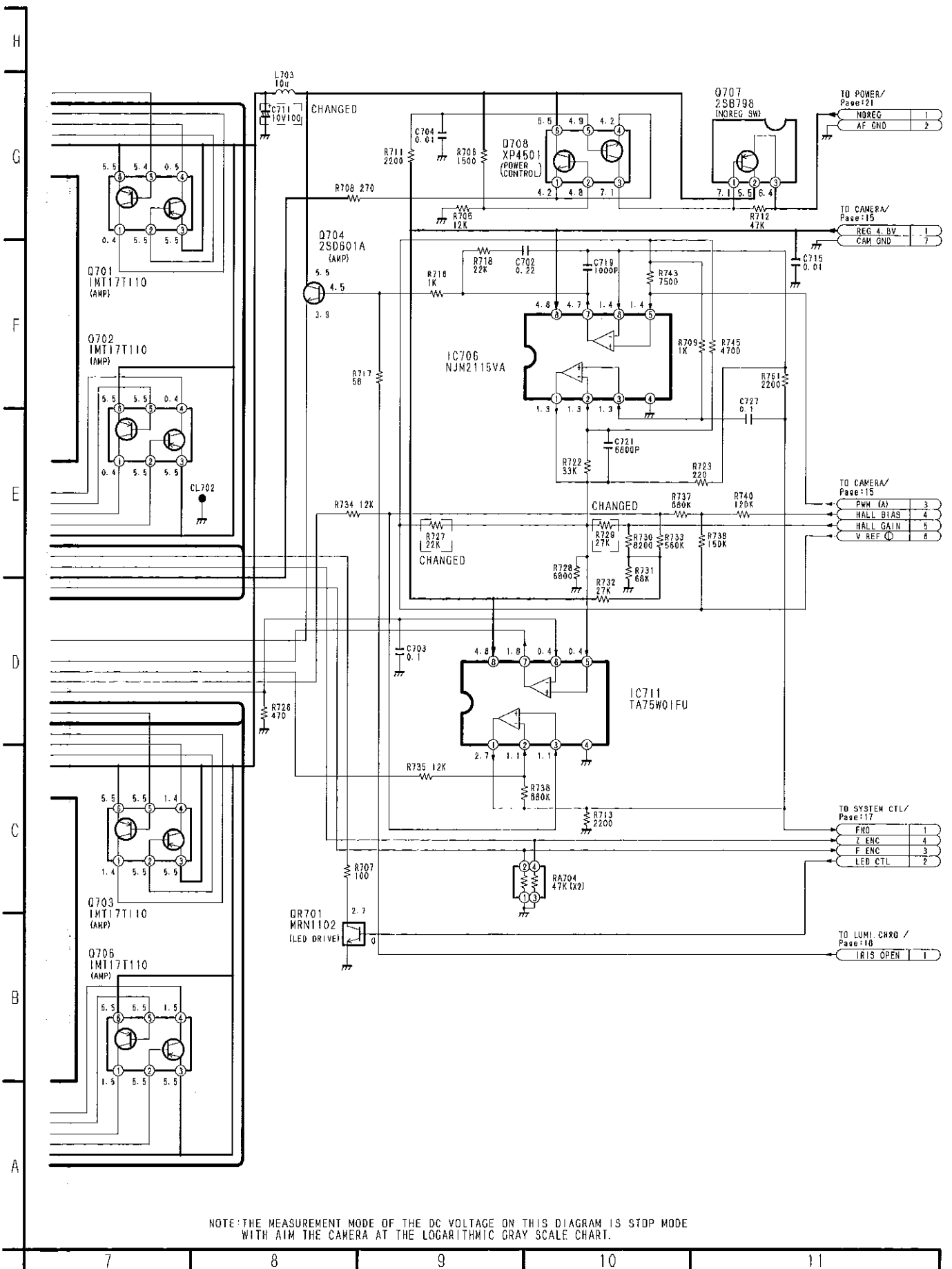
MIC UNIT SCHEMATIC DIAGRAM



➔ : AUDIO MAIN SIGNAL PATH IN REC MODE

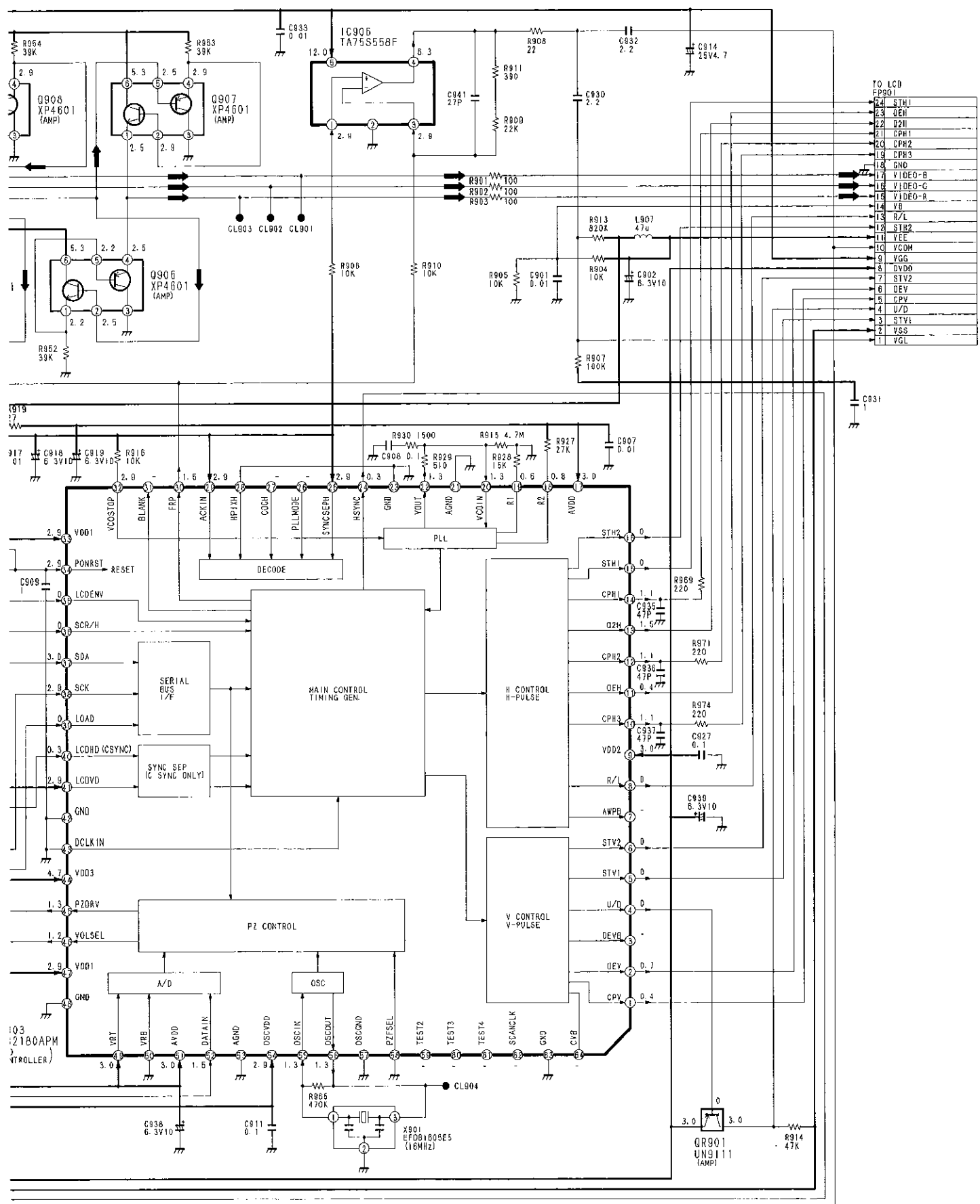
7.6. LENS DRIVE SCHEMATIC DIAGRAM

7.7



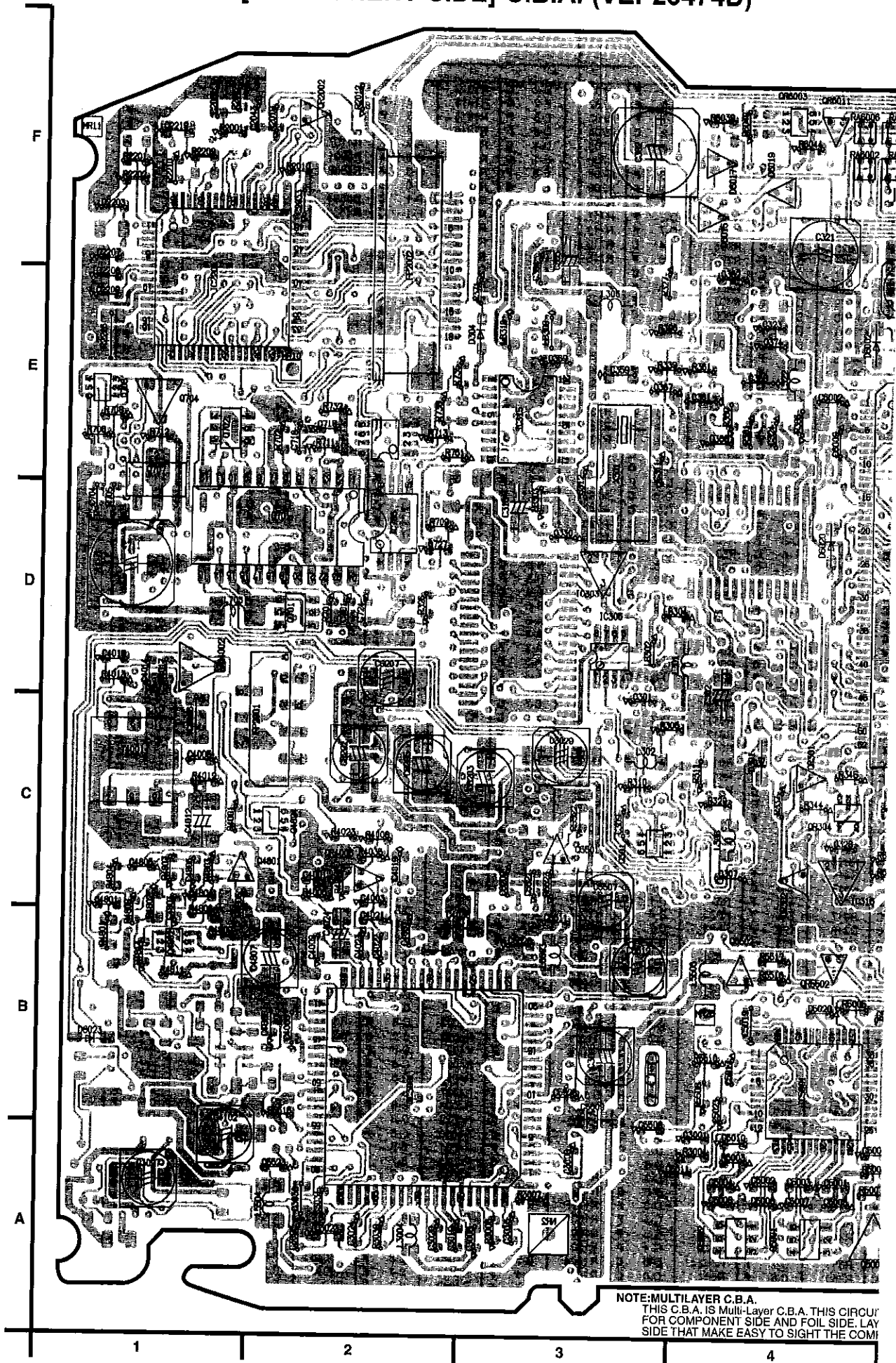
7.8

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE WITH AIM THE CAMERA AT THE LOGARITHMIC GRAY SCALE CHART.



- TO LCD
- 24 STH1
 - 23 DEH
 - 22 D2H
 - 21 CPH1
 - 20 CPH2
 - 19 CPH3
 - 18 GND
 - 17 VIDEO-B
 - 16 VIDEO-G
 - 15 VIDEO-R
 - 14 VB
 - 13 R/L
 - 12 STH2
 - 11 VEE
 - 10 VCOM
 - 9 VGG
 - 8 DVDD
 - 7 STV2
 - 6 DEV
 - 5 CPV
 - 4 U/D
 - 3 STV1
 - 2 VSS
 - 1 VGL

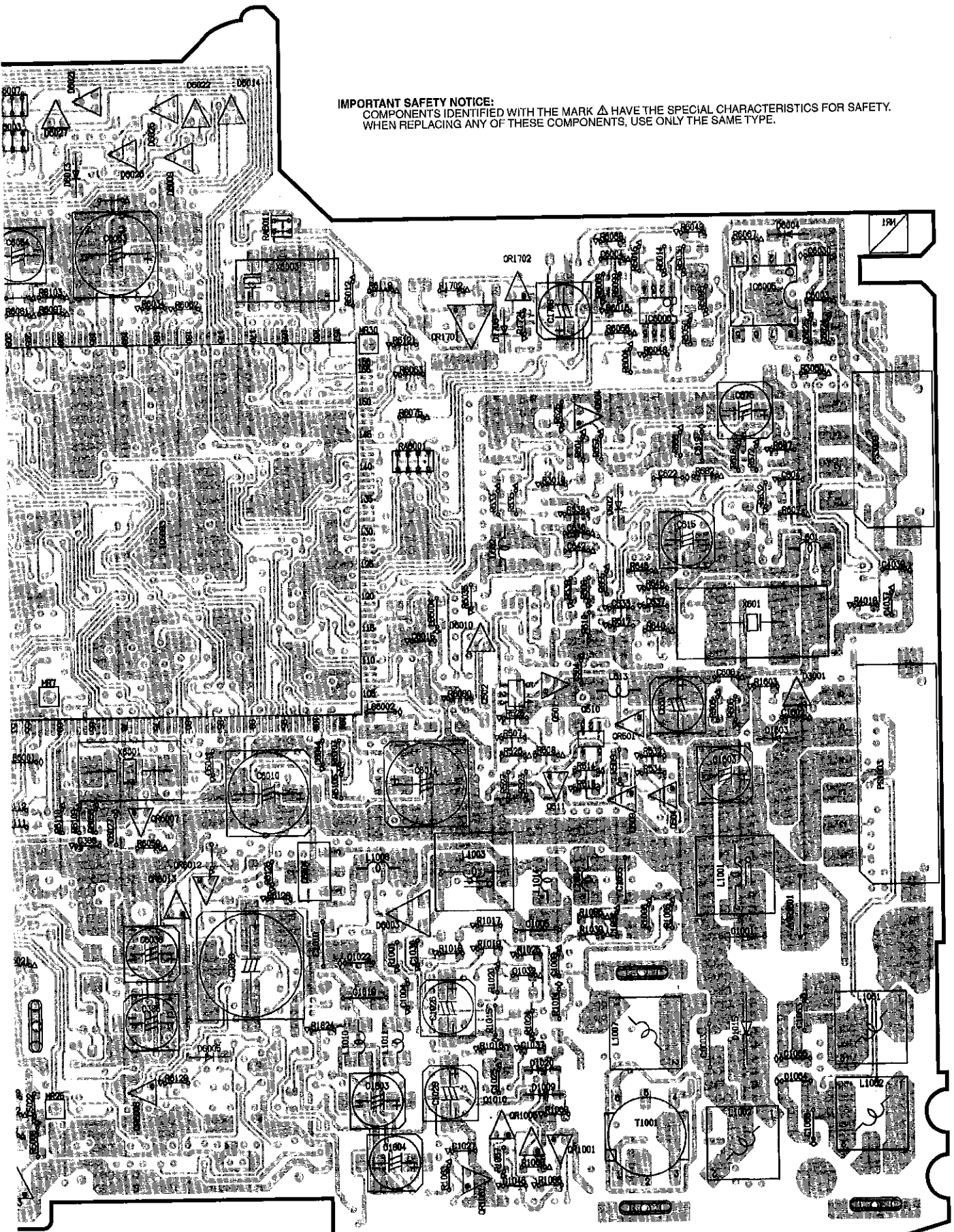
8.2. CAMERA/MAIN [COMPONENT SIDE] C.B.A. (VEP23474D)



NOTE: MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT FOR COMPONENT SIDE AND FOIL SIDE. LAY SIDE THAT MAKE EASY TO SIGHT THE COM

Table with columns for component types (C, F, R, RA), values, and codes. Includes a 'Resistor Array' section with sub-columns for RA301, RA602, etc.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK Δ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.



THIS BOARD SHOWS COMPONENT LAYOUT-PATTERN
OUT-PATTERNS ARE SINGLE PATTERN FOR EACH
COMPONENT LAYOUT.

(COMPONENT SIDE)

5

6

7

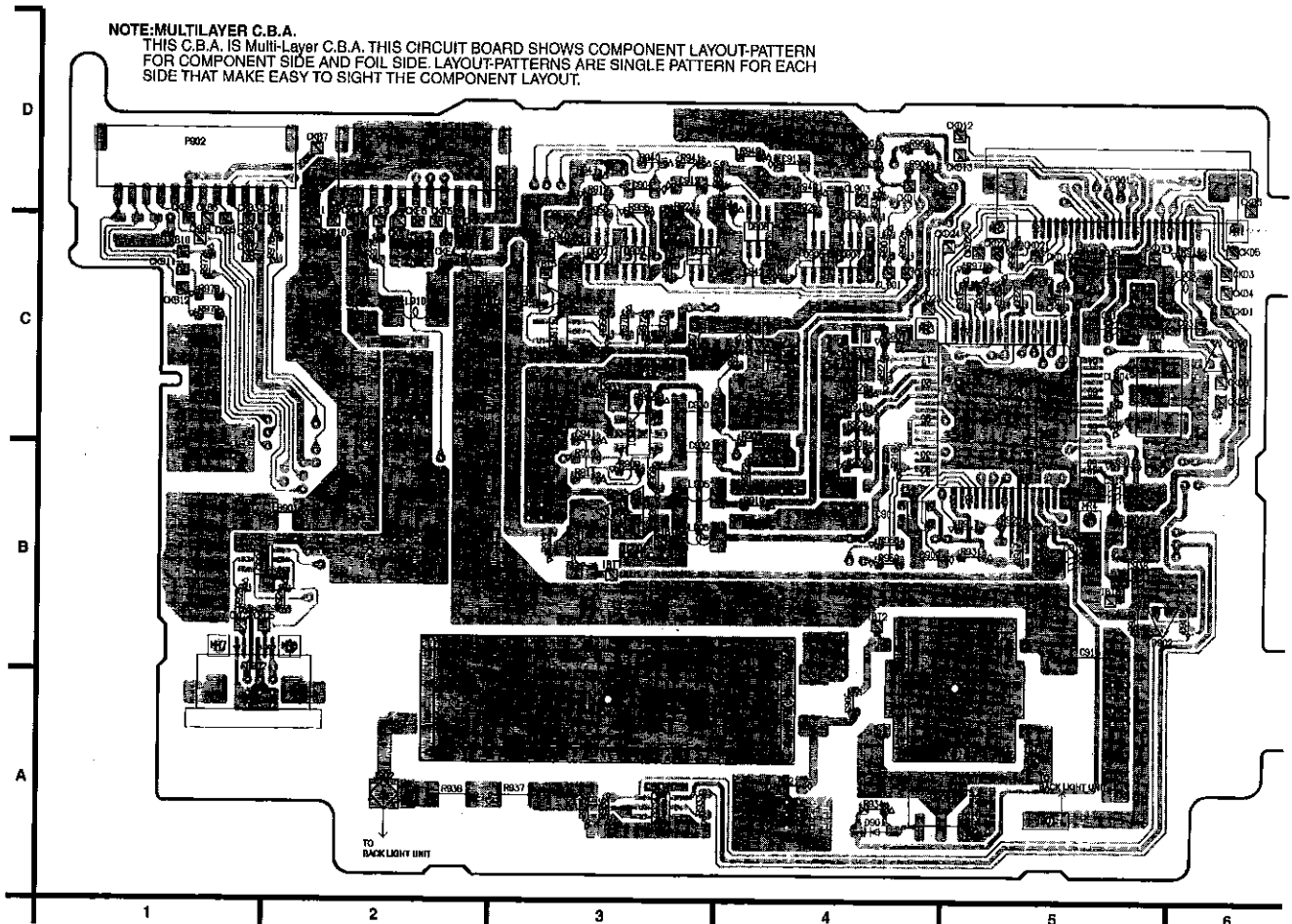
8

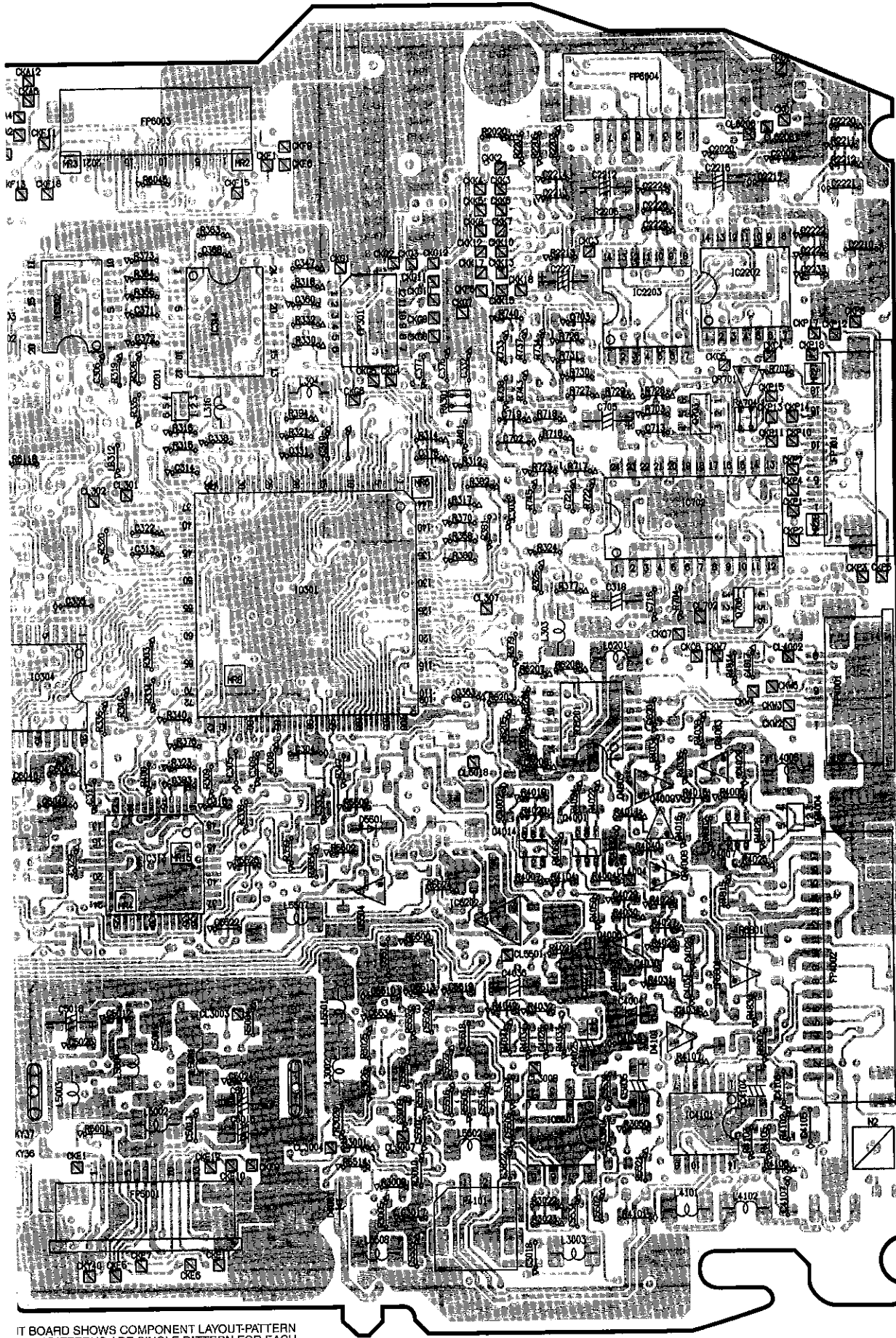
9

8.4. MONITOR C.B.A. (VEP26215A)

Monitor C.B.A.									
Integrated Circuit		Connector		C914	C-5	R909	B-3	R940	D-3
IC901	B-4	FP901	D-5	C915	B-5	R910	B-3	R941	D-3
IC903	C-5	FP902	B-1	C916	B-6	R911	B-3	R942	D-4
IC904	B-3	P901	D-2	C917	B-5	R912	D-3	R947	D-3
IC906	C-3	P902	D-1	C918	B-5	R913	C-4	R948	D-3
Transistor		Crystal Oscillator		C919	C-4	R914	C-6	R949	D-4
Q901	B-1	X901	C-5	C925	B-5	R915	C-4	R950	D-3
Q902	C-3	Coil		C926	B-3	R916	B-4	R951	C-3
Q903	C-3	L901	B-3	C927	C-5	R917	B-5	R952	C-4
Q904	A-3	L902	B-5	C930	C-3	R919	B-4	R953	D-4
Q905	A-4	L903	C-2	C931	C-6	R920	B-5	R954	D-3
Q906	C-4	L904	C-2	C932	C-3	R921	A-4	R955	D-3
Q907	C-4	L905	B-3	C933	C-3	R922	B-4	R956	C-3
Q908	C-4	L906	B-3	C935	C-5	R923	D-3	R958	B-4
Q909	C-3	L907	C-3	C936	C-5	R924	B-2	R959	B-4
Q910	C-3	L908	C-6	C937	C-5	R925	D-4	R965	C-5
Q911	C-3	L910	C-2	C938	B-5	R926	B-1	R968	D-4
Transistor & Resistor		LB901	B-2	C939	C-5	R927	C-4	R969	C-5
QR901	C-6	Capacitor		C940	C-3	R928	C-4	R970	C-3
Diode		C901	D-4	C941	C-3	R929	C-4	R971	C-5
D901	A-4	C902	C-4	C942	C-4	R930	B-4	R972	C-3
D902	B-5	C904	C-3	Resistor		R931	B-5	R973	C-3
Transformer		C905	A-4	R901	C-4	R932	B-3	R974	C-5
T901	A-4	C907	C-4	R902	C-4	R933	A-3	R975	C-2
T902	A-3	C908	C-4	R903	D-4	R934	A-4	R976	C-2
Test Point		C909	B-4	R904	D-4	R935	A-3	R977	C-1
CL901	C-4	C910	B-5	R905	D-4	R936	A-3	R978	C-1
CL902	C-4	C911	B-5	R906	C-3	R937	A-3	R979	C-1
CL903	D-4	C912	D-3	R907	C-4	R938	A-2		
CL904	C-5	C913	D-4	R908	B-3	R939	B-5		

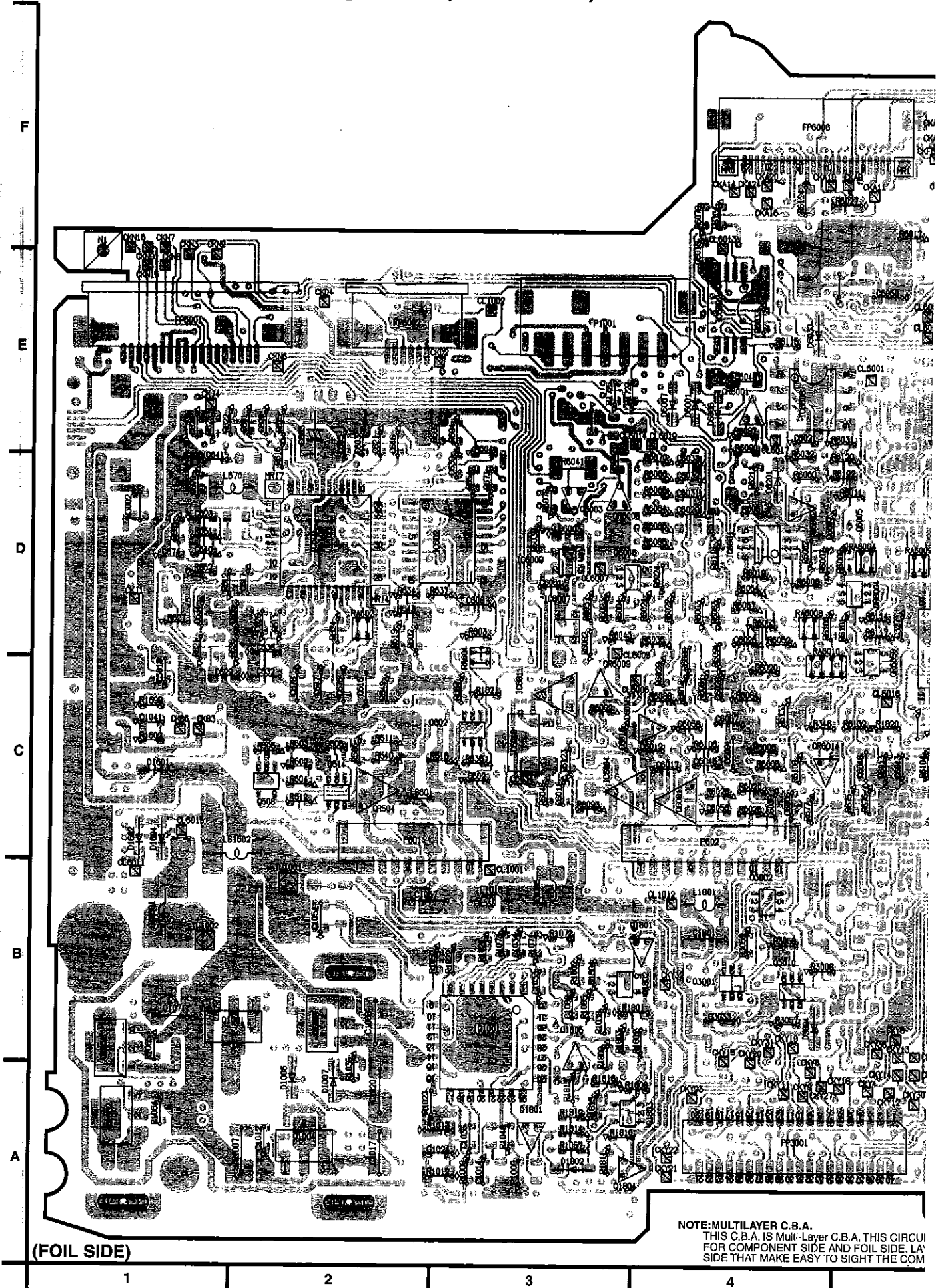
ADDRESS INFORMATION





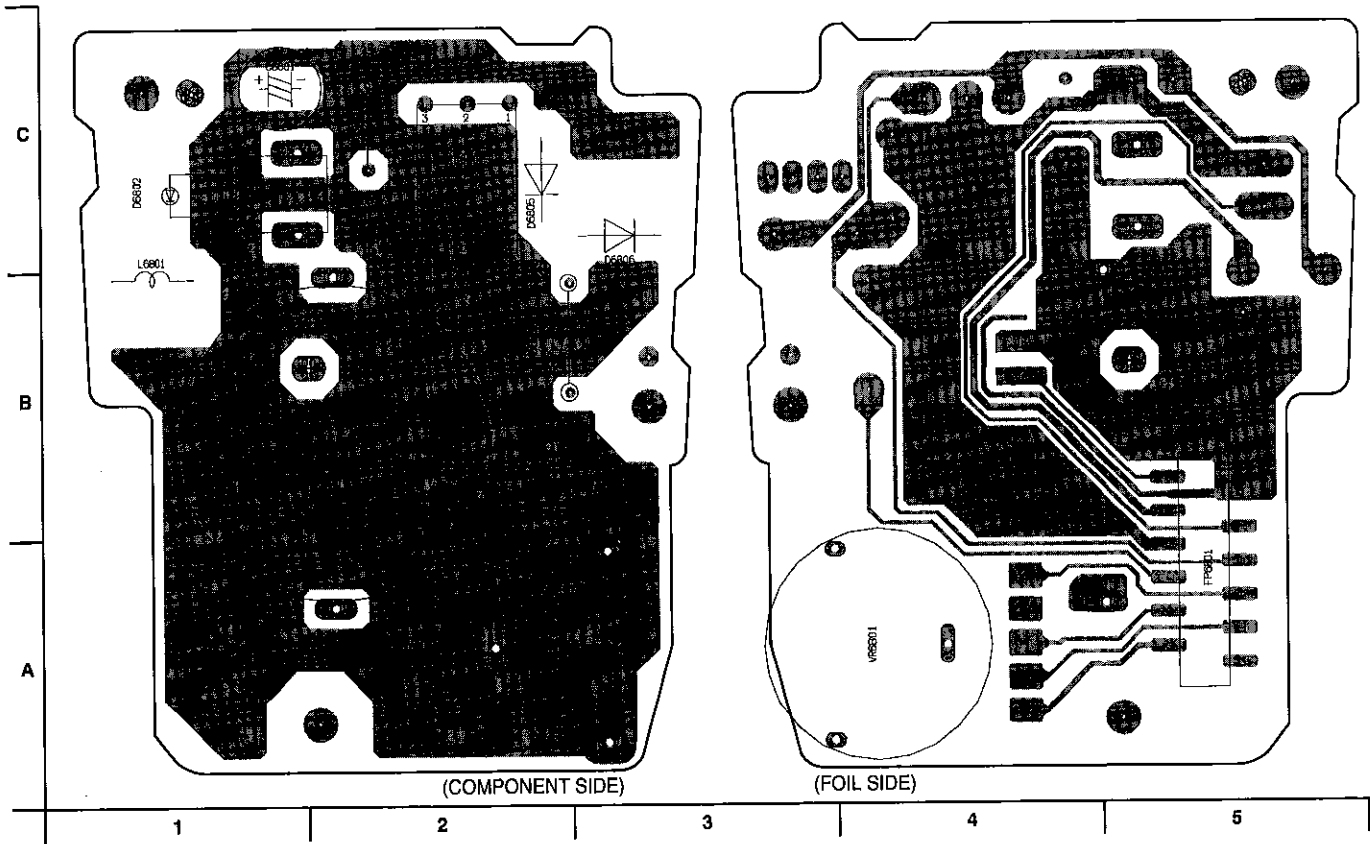
IT BOARD SHOWS COMPONENT LAYOUT-PATTERN
OUT-PATTERNS ARE SINGLE PATTERN FOR EACH
COMPONENT LAYOUT.

8.3. CAMERA/MAIN [FOIL SIDE] C.B.A. (VEP23474D)

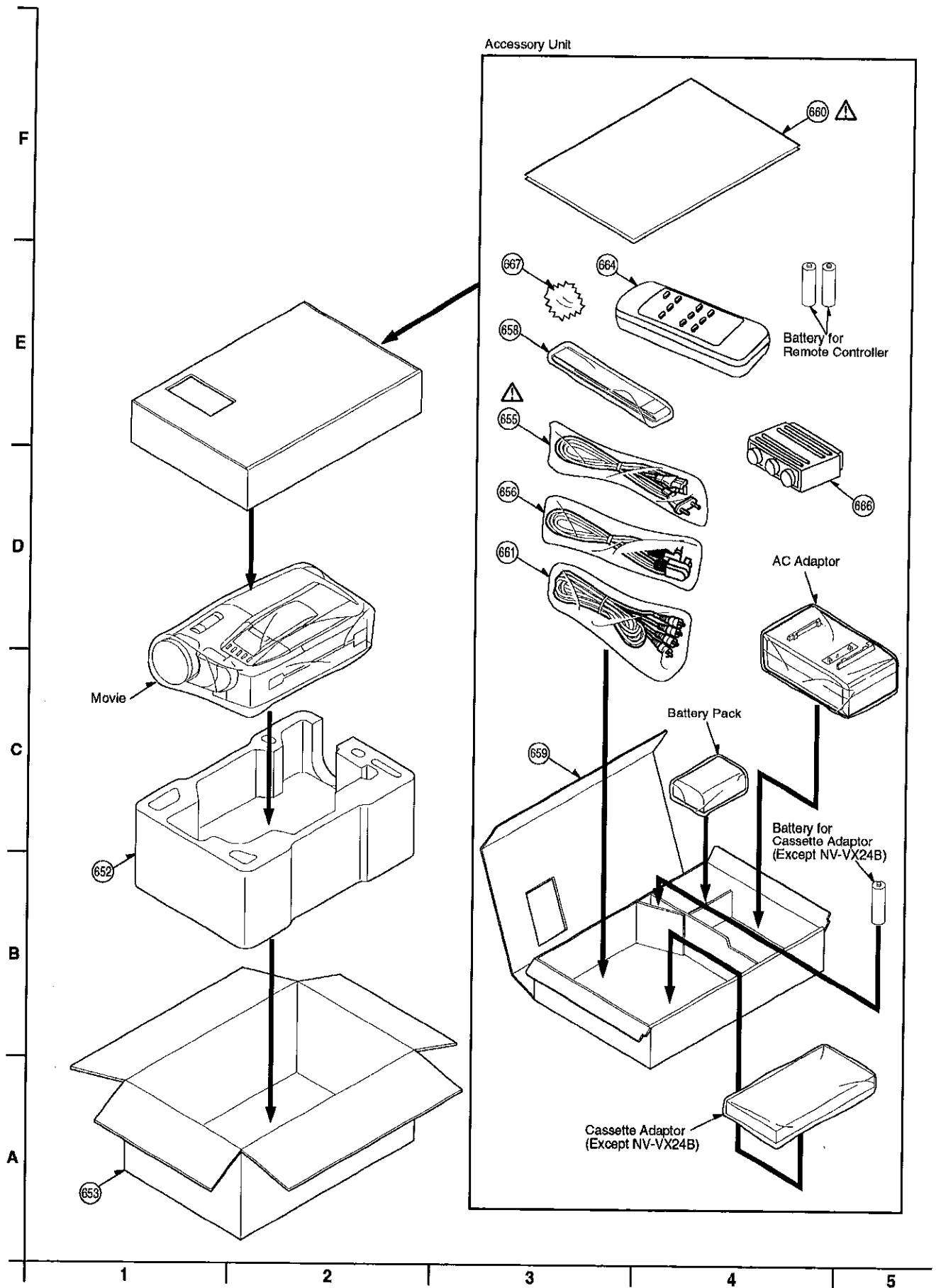


NOTE: MULTILAYER C.B.A.
 THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT FOR COMPONENT SIDE AND FOIL SIDE, LA SIDE THAT MAKE EASY TO SIGHT THE COM

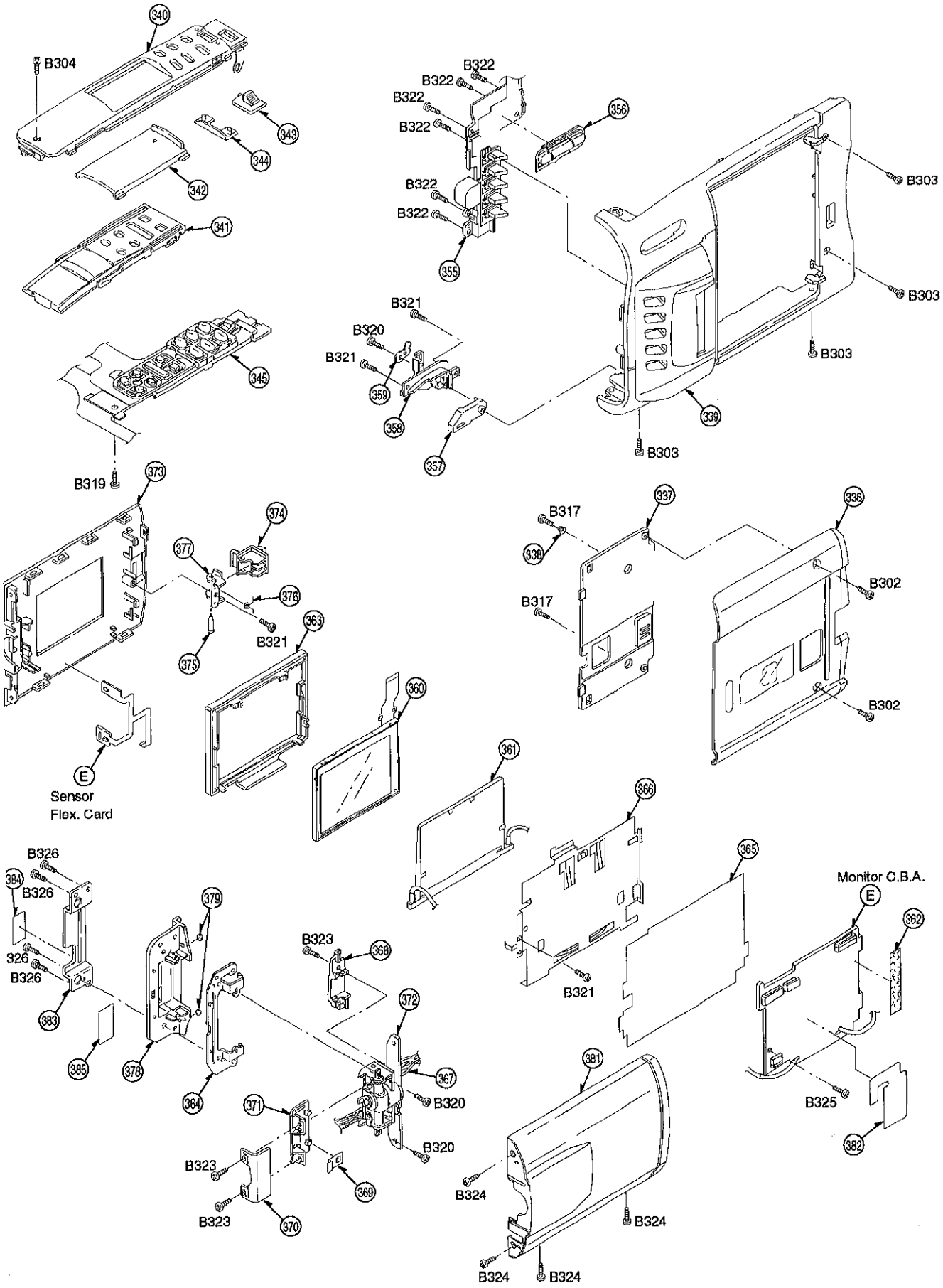
8.5. MIC UNIT (VEK8578)



9.3. PACKING PARTS & ACCESSORIES SECTION



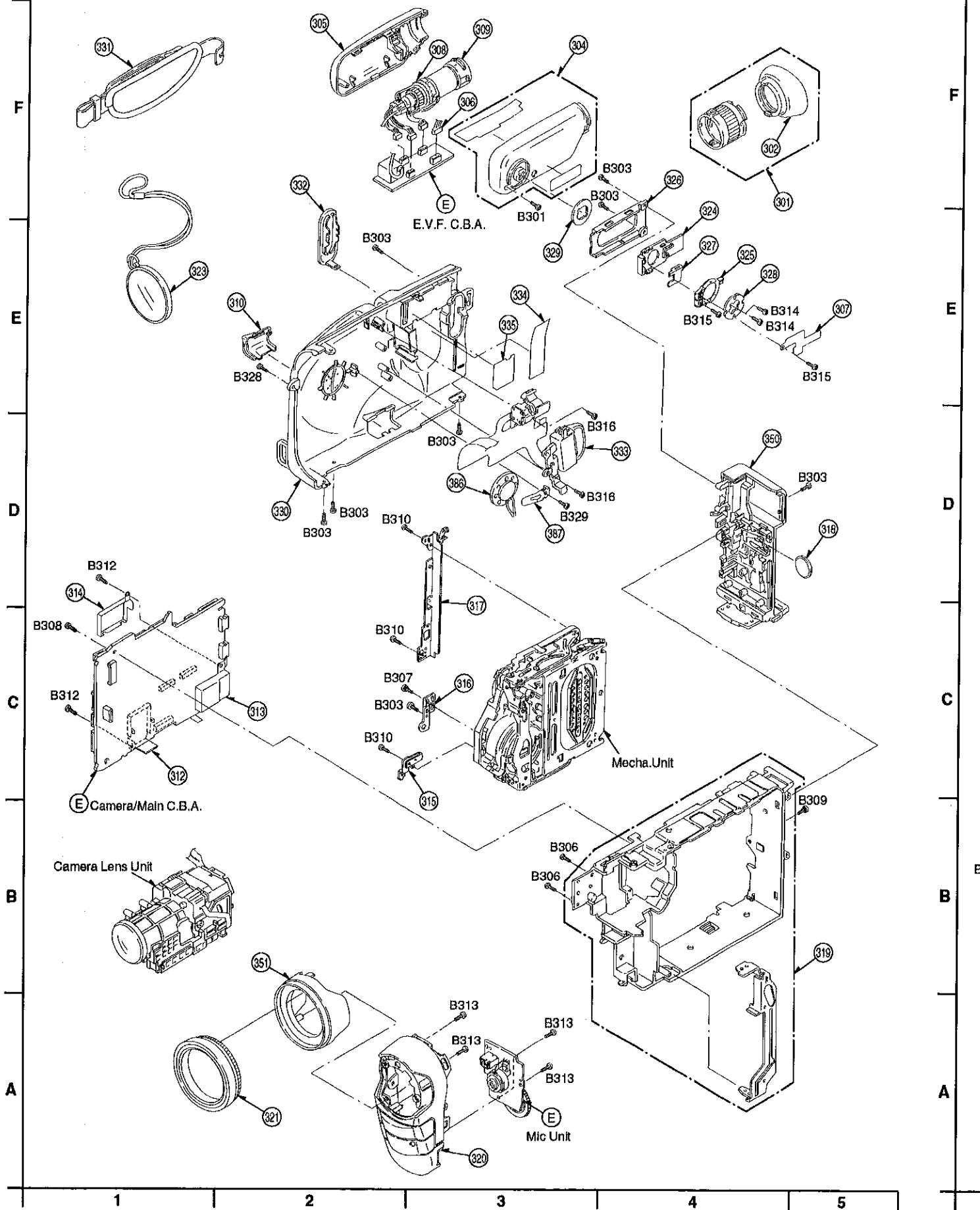
FRAME & CASING SECTION (2)



9 EXPLODED VIEWS & PARTS LIST

9.2.

9.1. FRAME & CASING SECTION (1)



10 ELECTRICAL REPLACEMENT PARTS LIST

Note: 1. Be sure to make your orders of replacement parts according to this list.
 2. IMPORTANT SAFETY NOTICE: Components identified with the mark Δ have the special characteristics for safety. When replacing any of these components, use only the same type.
 3. Unless otherwise specified, All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICROFARADS (uf), P=uuf.
 4. The P.C. Board units marked with \blacksquare show below the main assembled parts.
 5. The marking (RTL) indicates the retention time is limited for this item.
 After the discontinuation of this assembly in production, it will no longer be available.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	\blacksquare VEP23474D	CAMERA/MAIN C. B. A.	1	(RTL)
	\blacksquare VEP28215A	MONITOR C. B. A.	1	(RTL)
	\blacksquare VEP28259A	E. V. F. C. B. A.	1	(RTL)
	\blacksquare VEK8578	MIC UNIT	1	
	\blacksquare VEP22278B	CCD FLEX. CARD C. B. A.	1	(RTL)
	\blacksquare VEP06050A	SENSOR FLEX. CARD	1	(RTL)
	\blacksquare VEP23474D	CAMERA/MAIN C. B. A.		(RTL)
C301	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C302	ECSTOJY106Z	T. CAPACITOR CH 8.3V 10U	1	
C303	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	1	
C304, 05	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	2	
C308	ECUX1E223KBV	C. CAPACITOR CH 25V 0.022U	1	
C307	ECUX1H220JCV	C. CAPACITOR CH 50V 22P	1	
C308	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C309	ECUX1H470JCV	C. CAPACITOR CH 50V 47P	1	
C310	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C311	ECUX1H080CCV	C. CAPACITOR CH 50V 8P	1	
C312	ECUX1H120JCV	C. CAPACITOR CH 50V 12P	1	
C313	ECUX1H152KBV	C. CAPACITOR CH 50V 1500P	1	
C314	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C315	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C316	ECSTOJY106Z	T. CAPACITOR CH 8.3V 10U	1	
C317	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C318	ECST1AY225Z	T. CAPACITOR CH 10V 2.2U	1	
C321	ECEVO6A101	E. CAPACITOR CH 4V 100U	1	
C322-24	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C327	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C328	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C329	ECUX1H472KBV	C. CAPACITOR CH 50V 4700P	1	
C330-33	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	4	
C335	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C338	ECUX1H820JCV	C. CAPACITOR CH 50V 82P	1	
C347	ECUX1H270JCV	C. CAPACITOR CH 50V 27P	1	
C358, 59	ECUM1C224KBN	C. CAPACITOR CH 18V 0.22U	2	
C360	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C381	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C382	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C383	ECUX1H151JCV	C. CAPACITOR CH 50V 150P	1	
C384	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C385	ECSTOJY106Z	T. CAPACITOR CH 8.3V 10U	1	
C386, 87	ECUX1E223KBV	C. CAPACITOR CH 25V 0.022U	2	
C388	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C389	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C371	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C372	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C374	ECUX1H220JCV	C. CAPACITOR CH 50V 22P	1	
C375	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C378	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C377	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C382	ECEV1AA101U	E. CAPACITOR CH 10V 100U	1	
C383	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C385	ECEVO5A470	E. CAPACITOR CH 4V 47U	1	
C388	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C502	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C504, 05	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	2	
C801	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C603-06	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	4	
C808	ECUM1C105ZFN	C. CAPACITOR CH 18V 1U	1	
C815	ECEVO5A470	E. CAPACITOR CH 4V 47U	1	
C816	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C817	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C818	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C820	ECUX1H682KBV	C. CAPACITOR CH 50V 6800P	1	
C821	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C822	ECUM1C105ZFN	C. CAPACITOR CH 18V 1U	1	
C823	ECUX1C473KBV	C. CAPACITOR CH 18V 0.047U	1	
C824	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C828	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C829	ECUM1C474ZFN	C. CAPACITOR CH 18V 0.47U	1	
C831	ECEV1CA100	E. CAPACITOR CH 18V 10U	1	
C832	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C833-37	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	5	
C838	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C839-42	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	4	
C848	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C870	ECUX1H390JCV	C. CAPACITOR CH 50V 39P	1	
C874	ECUX1H681JCV	C. CAPACITOR CH 50V 680P	1	
C875	ECEVO5A470	E. CAPACITOR CH 4V 47U	1	
C876-78	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	3	
C883	ECSTOJX338Z	T. CAPACITOR CH 6.3V 33U	1	
C701	ECUX1H332KBV	C. CAPACITOR CH 50V 3300P	1	
C702	ECUM1C224KBN	C. CAPACITOR CH 18V 0.22U	1	
C703	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C704	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C705	ECSTOJY106Z	T. CAPACITOR CH 8.3V 10U	1	
C711	ECEV1AA101U	E. CAPACITOR CH 10V 100U	1	
C713	ECUX1H332KBV	C. CAPACITOR CH 50V 3300P	1	
C715, 18	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C718	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C719	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C721	ECUX1H682KBV	C. CAPACITOR CH 50V 6800P	1	
C724	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C727	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C1001	ECUM1A225KBM	C. CAPACITOR CH 10V 2.2U	1	
C1003	ECUM1A225KBM	C. CAPACITOR CH 10V 2.2U	1	
C1004	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C1005	ECUM1C105KBM	C. CAPACITOR CH 18V 1U	1	
C1008	ECUM1A225KBM	C. CAPACITOR CH 10V 2.2U	1	
C1009	ECUX1H152KBV	C. CAPACITOR CH 50V 1500P	1	
C1010	ECUM1C105KBM	C. CAPACITOR CH 18V 1U	1	
C1012	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C1014	ECUX1H222KBV	C. CAPACITOR CH 50V 2200P	1	
C1017	ECUM1E105KBM	C. CAPACITOR CH 25V 1U	1	
C1018, 20	ECUM1E334KBM	C. CAPACITOR CH 25V 0.33U	2	
C1022	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
C1024	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C1025	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C1028	ECEV1CA100	E. CAPACITOR CH 18V 10U	1	
C1027	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
C1028	ECEV1HAR47	E. CAPACITOR CH 50V 0.47U	1	
C1030	ECUX1H472KBV	C. CAPACITOR CH 50V 4700P	1	
C1032-35	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	4	
C1037	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	1	
C1041	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C1048	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C1051	ECUM1C334KBN	C. CAPACITOR CH 18V 0.33U	1	
C1055	ECUM1C105KBM	C. CAPACITOR CH 18V 1U	1	
C1057	ECUM1C105KBM	C. CAPACITOR CH 18V 1U	1	
C1063, 64	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	2	
C1065, 66	ECUM1C105ZFN	C. CAPACITOR CH 18V 1U	2	
C1071	ECUM1C105KBM	C. CAPACITOR CH 18V 1U	1	
C1080, 81	ECUX1C473KBV	C. CAPACITOR CH 18V 0.047U	2	
C1802	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C1803	ECEV1CA100	E. CAPACITOR CH 18V 10U	1	
C1804	ECEVO5A470	E. CAPACITOR CH 4V 47U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2001	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C2009	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C2020	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C2033	ECUX1A105ZFV	C. CAPACITOR CH 10V 1U	1	
C2043	ECUX1C104ZV	C. CAPACITOR CH 18V 0.1U	1	
C2202	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C2203	ECUX1H332KBV	C. CAPACITOR CH 50V 3300P	1	
C2207	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	1	
C2208, 09	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C2210	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C2212	ECSTOJY108Z	T. CAPACITOR CH 8.3V 10U	1	
C2213, 14	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C2216	ECSTOJY108Z	T. CAPACITOR CH 8.3V 10U	1	
C2217	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C2219	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C2220	ECUX1H152KBV	C. CAPACITOR CH 50V 1500P	1	
C2221	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C2222, 23	ECUX1C104ZV	C. CAPACITOR CH 18V 0.1U	2	
C2224-26	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	3	
C2227	ECSTOJY108Z	T. CAPACITOR CH 8.3V 10U	1	
C2233	ECUX1C104ZV	C. CAPACITOR CH 18V 0.1U	1	
C3001	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
C3004	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C3005	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C3008	ECUX1H560JCV	C. CAPACITOR CH 50V 56P	1	
C3008	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C3009	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C3010	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
C3016	ECUX1H151JCV	C. CAPACITOR CH 50V 150P	1	
C3017	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C3018	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	1	
C3019, 20	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	2	
C3022	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C3023	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C3024	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C3026	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C3027	ECEV1AA100	E. CAPACITOR CH 10V 10U	1	
C3028	ECEV06A471	E. CAPACITOR CH 4V 470U	1	
C3029	ECEV1CA100	E. CAPACITOR CH 18V 10U	1	
C3030	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C3031	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C3033	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C3035	ECSTOJY108Z	T. CAPACITOR CH 8.3V 10U	1	
C4001	ECUX1H821JCV	C. CAPACITOR CH 50V 820P	1	
C4002	ECUM1C105ZFN	C. CAPACITOR CH 18V 1U	1	
C4003	ECUX1H822KBV	C. CAPACITOR CH 50V 8200P	1	
C4004	ECSTOJY108Z	T. CAPACITOR CH 8.3V 10U	1	
C4005	ECUX1H472KBV	C. CAPACITOR CH 50V 4700P	1	
C4006	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C4007	ECUX1H332KBV	C. CAPACITOR CH 50V 3300P	1	
C4009	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4012	ECSTOJY226Z	T. CAPACITOR CH 8.3V 22U	1	
C4014	ECUX1H882KBV	C. CAPACITOR CH 50V 8800P	1	
C4015	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4016	ECUM2A472JCM	C. CAPACITOR CH 100V 4700P	1	
C4017	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4018	ECUM1C474K8N	C. CAPACITOR CH 18V 0.47U	1	
C4020	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C4021, 22	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C4023	ECUX1H332KBV	C. CAPACITOR CH 50V 3300P	1	
C4024	ECST1CY475Z	T. CAPACITOR CH 18V 4.7U	1	
C4025	ECSTOJY685Z	T. CAPACITOR CH 8.3V 6.8U	1	
C4026	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4027	ECST1AY225Z	T. CAPACITOR CH 10V 2.2U	1	
C4028	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4029	ECUX1H122KBV	C. CAPACITOR CH 50V 1200P	1	
C4030	ECUX1H151JCV	C. CAPACITOR CH 50V 150P	1	
C4031	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4032	ECUM1C224K8N	C. CAPACITOR CH 18V 0.22U	1	
C4034	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C4035	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C4036	ECSTOJY335Z	T. CAPACITOR CH 8.3V 3.3U	1	
C4037	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4038	ECSTOJY108Z	T. CAPACITOR CH 8.3V 10U	1	
C4039	ECUX1H222KBV	C. CAPACITOR CH 50V 2200P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4101	ECEV0JA131	E. CAPACITOR CH 8.3V 130U	1	
C4102	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C4104	ECSTOJY108Z	T. CAPACITOR CH 8.3V 10U	1	
C4105	ECUM1H223K8N	C. CAPACITOR CH 50V 0.022U	1	
C4106	ECUM1C334K8N	C. CAPACITOR CH 18V 0.33U	1	
C4107	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C4801	ECUX1C823KBV	C. CAPACITOR CH 18V 0.082U	1	
C4803	ECUX1E223KBV	C. CAPACITOR CH 25V 0.022U	1	
C4804	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4805, 08	ECUX1E223KBV	C. CAPACITOR CH 25V 0.022U	2	
C4807	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C4808	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5001-04	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	4	
C5005-08	ECUX1H270JCV	C. CAPACITOR CH 50V 27P	4	
C5009, 10	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C5011	ECUX1C473KBV	C. CAPACITOR CH 25V 0.047U	1	
C5012, 13	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C5014	ECSTOJY108Z	T. CAPACITOR CH 8.3V 10U	1	
C5016	ECSTOJY108Z	T. CAPACITOR CH 8.3V 10U	1	
C5017	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5018	ECSTOJY108Z	T. CAPACITOR CH 8.3V 10U	1	
C5019	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C5020, 21	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C5022	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C5023-25	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C5041	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
C5501, 02	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C5504, 05	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	2	
C5506	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5507	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C5508	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5509	ECSTOJY108Z	T. CAPACITOR CH 8.3V 10U	1	
C5510	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C5511	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C5512	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C5513	ECUX1C473KBV	C. CAPACITOR CH 25V 0.047U	1	
C5514	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C5515	ECUX1H181JCV	C. CAPACITOR CH 50V 180P	1	
C5516	ECUX1H360JCV	C. CAPACITOR CH 50V 36P	1	
C5518	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5519	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C5520	ECUX1C333KBV	C. CAPACITOR CH 18V 0.033U	1	
C5521	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5522	ECUX1H090CCV	C. CAPACITOR CH 50V 9P	1	
C5523	ECUX1H180JCV	C. CAPACITOR CH 50V 18P	1	
C5525	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5526	ECUX1H040CCV	C. CAPACITOR CH 50V 4P	1	
C5527	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C5530	ECUX1H331JCV	C. CAPACITOR CH 50V 330P	1	
C5531	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5533	ECUX1E273KBV	C. CAPACITOR CH 25V 0.027U	1	
C5534	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C8001	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C8002-04	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C8006, 07	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	2	
C8009	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C8010	ECEV1AA101U	E. CAPACITOR CH 10V 100U	1	
C8011	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C8012	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C8014	ECEV1CA470P	E. CAPACITOR CH 18V 47U	1	
C8015, 16	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C8017	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
C8018	ECUX1H090CCV	C. CAPACITOR CH 50V 9P	1	
C8020, 21	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C8024, 25	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	2	
C8026	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C8027	ECUM1A105K8N	C. CAPACITOR CH 10V 1U	1	
C8028	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C8029	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C8030	ECUM1C105ZFN	C. CAPACITOR CH 18V 1U	1	
C8031	ECUX1C104KBV	C. CAPACITOR CH 18V 0.1U	1	
C8032-34	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C8038	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C8039	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C8040, 41	ECUX1H150JCV	C. CAPACITOR CH 50V 15P	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8042	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C8044, 45	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C8046	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C8047	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C8048	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C8050	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C8051	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C8053	ECEV08A221	E. CAPACITOR CH 4V 220U	1	
C8054	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C8056	ECUX1H152KBV	C. CAPACITOR CH 50V 1500P	1	
C8057, 58	ECUX1H222KBV	C. CAPACITOR CH 50V 2200P	2	
C8201	ECUX1H581JGV	C. CAPACITOR CH 50V 580P	1	
C8202, 03	ECEV1CA100	E. CAPACITOR CH 16V 10U	2	
C8205	ECEV1CA100	E. CAPACITOR CH 16V 10U	1	
C8206	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C8207	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C8208, 09	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
D301	MA111	DIODE	1	
D304	1SS355	DIODE	1	
D802	MA111	DIODE	1	
D1006, 07	MA111	DIODE	2	
D1009	MA8220-M	DIODE	1	
D1015	EC10Q503L12	DIODE	1	
D1020	1SS355	DIODE	1	
D1801-04	MA8160-M	DIODE	4	
D1706	MA111	DIODE	1	
D1801	MA132WK	DIODE	1	
D1802	MA728	DIODE	1	
D3001	MA133	DIODE	1	
D3004	MA111	DIODE	1	
D4001	MA8030	DIODE	1	
D4101	MA132WK	DIODE	1	
D5501	MA111	DIODE	1	
D8001	MA111	DIODE	1	
D8002	MA728	DIODE	1	
D8003	SB05-05CP	DIODE	1	
D8004	MA8030	DIODE	1	
D8005, 08	MA728	DIODE	2	
D8007	MA111	DIODE	1	
D8009, 10	MA132WA	DIODE	2	
D8013	MA111	DIODE	1	
D8014, 15	MA132WA	DIODE	2	
D8016	MA133	DIODE	1	
D8017	MA132WA	DIODE	1	
D8019	MA132WA	DIODE	1	
D8020	MA728	DIODE	1	
D8021, 22	MA132WA	DIODE	2	
D8023	MA728	DIODE	1	
D8025-27	MA132WA	DIODE	3	
D8030	ERJ8QYOR00	M. RESISTOR CH 1/8W 0	1	
D8201	MA111	DIODE	1	
FP701	VJS3318B018	CONNECTOR (FEMALE) 18P	1	
FP2001	VJS3911A007	CONNECTOR (FEMALE) 7P	1	
FP2002	VJS2959B018	CONNECTOR (FEMALE) 18P	1	
FP4001	VJS2958D009	CONNECTOR (FEMALE) 9P	1	
FP4002	VJS3913B012P	CONNECTOR (FEMALE) 12P	1	
FP5001	VJS2959B013	CONNECTOR (FEMALE) 13P	1	
FP8001	VJS2959B018	CONNECTOR (FEMALE) 18P	1	
FP8002	VJS2959B008	CONNECTOR (FEMALE) 8P	1	
FP8003	VJS3930B021	CONNECTOR (FEMALE) 21P	1	
FP8004	VJS3854B008	CONNECTOR (FEMALE) 8P	1	
FP8008	VJS3931B024	CONNECTOR (FEMALE) 24P	1	
IC301	F712624CPBW	IC	1	
IC302	M623866P	IC	1	
IC303	XC82FP3302MR	IC	1	
IC304	UPD8481GS677	IC	1	
IC305	TC7W74FU	IC	1	
IC313	MN7E002B2S1	IC	1	
IC314	M52948FP	IC	1	
IC315	MN31121SA	IC	1	
IC316	XC82FP3302MR	IC	1	
IC801	IR3Y31M	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC802	M623866P	IC	1	
IC701, 02	TB8528AF	IC	2	
IC708	NJM2115VA	IC	1	
IC711	TA75W01FU	IC	1	
IC1001	BA9708K	IC	1	
IC2201	TB8538F	IC	1	
IC2202, 03	UN224	TRANSISTOR-RESISTOR	2	
IC3001	HA118803F	IC	1	
IC4101	NJM2168V	IC	1	
IC5001	AN3355FHP	IC	1	
IC5501	MSM7470-73MS	IC	1	
IC8001	TA75W393FU	IC	1	
IC8002	S3514AEFSTB	IC	1	
IC8003	MN103004JBB	IC	1	
IC8004	XC82FP3702MR	IC	1	
IC8005	BA8289F	IC	1	
IC8008	TA75W393FU	IC	1	
IC8007	S80821ANNP	IC	1	
IC8008	AK6480AF	IC	1	
IC8009	S80825ANNP	IC	1	
IC8010	XC82FP2802PR	IC	1	
IC8011	XC82FP3002MR	IC	1	
IC8201	BA8400FV	IC	1	
IC8202	XC82FP3002MR	IC	1	
L301	VLQ0319K100	COIL 10UH	1	
L302	VLQ0426J220	COIL 22UH	1	
L303	ELJFA390JB	COIL 39UH	1	
L304	VLQ0426J2R2	COIL 2.2UH	1	
L305	ELJPA470KB	COIL 47UH	1	
L306	VLQ0426J220	COIL 22UH	1	
L316	VLQ0426J6R8	COIL 6.8UH	1	
L322	VLQ0426J470	COIL 47UH	1	
L601, 02	ELJPA470KB	COIL 47UH	2	
L613	ELJPA470KB	COIL 47UH	1	
L670	ELJFA330JB	COIL 33UH	1	
L703	VLQ0319K100	COIL 10UH	1	
L1001	VLQ0833M4R7	COIL 4.7UH	1	
L1002	VLQ0827M220	COIL 22UH	1	
L1003	VLQ0834M4R7	COIL 4.7UH	1	
L1004	VLQ0319K100	COIL 10UH	1	
L1006	VLQ0319K100	COIL 10UH	1	
L1007	VLQ0827M470	COIL 47UH	1	
L1008	VLQ0319M4R7	COIL 4.7UH	1	
L1010	VLQ0319K100	COIL 10UH	1	
L1011	VLQ0319K101	COIL 100UH	1	
L1014	VLQ0319K100	COIL 10UH	1	
L1015	ELJPA470KB	COIL 47UH	1	
L1081, 82	VLQ0827M330	COIL 33UH	2	
L1801	VLQ0319K100	COIL 10UH	1	
L3002	VLQ0319K100	COIL 10UH	1	
L3003	ELJFA820JB	COIL 82UH	1	
L3004	VLQ0426J120	COIL 12UH	1	
L4005	VLQ0319K101	COIL 100UH	1	
L4101, 02	VLQ0319K101	COIL 100UH	2	
L5001-04	ELJPA470KB	COIL 47UH	4	
L5501	ELJPA470KB	COIL 47UH	1	
L5502	ELJFA100JB	COIL 10UH	1	
L5503	VLQ0895	CHIP INDUCTOR	1	
L5504	ELJFA390JB	COIL 39UH	1	
L5506	ELJPA470KB	COIL 47UH	1	
L5507	ELJFA121JB	COIL 120UH	1	
L5508	VLQ0183J471	COIL 470UH	1	
L8201	ELJPA470KB	COIL 47UH	1	
LB302-04	VLP0175	COIL	3	
LB309, 10	VLP0153	COIL	2	
LB312	VLP0175	COIL	1	
LB801	VLP0175	COIL	1	
LB1801, 02	VLP0307	COIL	2	
LB8001-04	VLP0153	COIL	4	
P801	VJP4004A010P	CONNECTOR (MALE) 10P	1	
P802	VJP4004A012P	CONNECTOR (MALE) 12P	1	
P1001	VJP3172B004	CONNECTOR (MALE) 4P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
P4101	VJP3172B002	CONNECTOR (MALE) 2P	1	
PP301	VJP3358A012	CONNECTOR (MALE) 12P	1	
PP3001	VJP3359D040	CONNECTOR (MALE) 40P	1	
PS1003	VJS4005B008	CONNECTOR (FEMALE) 6P	1	
PS3009	VJS4005B004	CONNECTOR (FEMALE) 4P	1	
Q201	XP4801	TRANSISTOR-TRANSISTOR	1	
Q301	XP4401	TRANSISTOR	1	
Q501	2SB1482-R	TRANSISTOR	1	
Q502	XP1501	TRANSISTOR-TRANSISTOR	1	
Q504	2SB1482-R	TRANSISTOR	1	
Q508	XP1501	TRANSISTOR-TRANSISTOR	1	
Q509	2SD2218-R	TRANSISTOR	1	
Q510	XP1401	TRANSISTOR-TRANSISTOR	1	
Q511	2SD2218-R	TRANSISTOR	1	
Q514	XP4801	TRANSISTOR-TRANSISTOR	1	
Q802	XP4801	TRANSISTOR-TRANSISTOR	1	
Q804	2SB1482-R	TRANSISTOR	1	
Q701-03	1MT17T110	TRANSISTOR	3	
Q704	2SD801A	TRANSISTOR	1	
Q708	1MT17T110	TRANSISTOR	1	
Q707	2SB798	TRANSISTOR	1	
Q708	XP4501	TRANSISTOR-TRANSISTOR	1	
Q1001	2SB1073	TRANSISTOR	1	
Q1003	MPL1	TRANSISTOR	1	
Q1004	2SD2210	TRANSISTOR	1	
Q1010	2SB1482-R	TRANSISTOR	1	
Q1061, 62	MPL1	TRANSISTOR	2	
Q1801	2SD2218-R	TRANSISTOR	1	
Q1802, 03	XP1401	TRANSISTOR-TRANSISTOR	2	
Q1804	2SD2218-R	TRANSISTOR	1	
Q1805	2SD2218	TRANSISTOR	1	
Q3001	XP4501	TRANSISTOR-TRANSISTOR	1	
Q3002	XP4401	TRANSISTOR	1	
Q3010	XP4501	TRANSISTOR-TRANSISTOR	1	
Q4001	XP6401	TRANSISTOR	1	
Q4002	2SD602-R	TRANSISTOR	1	
Q4003	2SB1219	TRANSISTOR	1	
Q4004	XP4501	TRANSISTOR-TRANSISTOR	1	
Q4006	2SB1482-R	TRANSISTOR	1	
Q4007	XP4501	TRANSISTOR-TRANSISTOR	1	
Q4009	2SD2218	TRANSISTOR	1	
Q4014	XP4801	TRANSISTOR-TRANSISTOR	1	
Q4801	2SD2218	TRANSISTOR	1	
Q4802	XP4501	TRANSISTOR-TRANSISTOR	1	
Q5001, 02	XN4504	TRANSISTOR-TRANSISTOR	2	
Q5003	2SA812	TRANSISTOR	1	
Q5501	2SD2218	TRANSISTOR	1	
Q5502	2SB1482-R	TRANSISTOR	1	
Q5504	2SD2218	TRANSISTOR	1	
Q8001	2SD1030	TRANSISTOR	1	
Q8002	2SB1482-R	TRANSISTOR	1	
Q8003	2SD2218	TRANSISTOR	1	
Q8004	2SD874	TRANSISTOR	1	
Q8006	XP1501	TRANSISTOR-TRANSISTOR	1	
QR301	MRN2103	TRANSISTOR-RESISTOR	1	
QR302	MRN2107	TRANSISTOR-RESISTOR	1	
QR304	XP1213	TRANSISTOR-RESISTOR	1	
QR501	MRN2103	TRANSISTOR-RESISTOR	1	
QR504	UN2130X	TRANSISTOR-RESISTOR	1	
QR701	MRN1102	TRANSISTOR-RESISTOR	1	
QR1001	MRN2102	TRANSISTOR-RESISTOR	1	
QR1005	UN9217	TRANSISTOR-RESISTOR	1	
QR1061	MRN2111	TRANSISTOR-RESISTOR	1	
QR1701	UN2130X	TRANSISTOR-RESISTOR	1	
QR1702	MRN1107	TRANSISTOR-RESISTOR	1	
QR2002	MRN1111	TRANSISTOR-RESISTOR	1	
QR4003	MRN2103	TRANSISTOR-RESISTOR	1	
QR4004	XP1215	TRANSISTOR-TRANSISTOR	1	
QR4005	MRN1104	TRANSISTOR-RESISTOR	1	
QR4008	MRN1104	TRANSISTOR-RESISTOR	1	
QR5502	MRN1103	TRANSISTOR-RESISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
QR6001	MRN2107	TRANSISTOR-RESISTOR	1	
QR6003, 04	XP4115	TRANSISTOR-RESISTOR	2	
QR6005	MRN2103	TRANSISTOR-RESISTOR	1	
QR6007	MRN1102	TRANSISTOR-RESISTOR	1	
QR6008	MRN1107	TRANSISTOR-RESISTOR	1	
QR6009	UN9210	TRANSISTOR-RESISTOR	1	
QR6011	MRN2111	TRANSISTOR-RESISTOR	1	
QR6012	UN9110	TRANSISTOR-RESISTOR	1	
QR6013	MRN2111	TRANSISTOR-RESISTOR	1	
QR6014	MRN1111	TRANSISTOR-RESISTOR	1	
QR6050	XP1213	TRANSISTOR-RESISTOR	1	
QR8801	MRN2111	TRANSISTOR-RESISTOR	1	
R301	ERJ3GEYJ391	M. RESISTOR CH 1/10W 390	1	
R303, 04	ERJ3GEYJ102	M. RESISTOR CH 1/10W 1K	2	
R305	ERJ3GEYJ881	M. RESISTOR CH 1/10W 880	1	
R308	ERJ3GEYJ473	M. RESISTOR CH 1/10W 47K	1	
R309	ERJ3GEYJ123	M. RESISTOR CH 1/10W 12K	1	
R310, 11	ERJ3GEYJ152	M. RESISTOR CH 1/10W 1.5K	2	
R312	ERJ3GEYJ472	M. RESISTOR CH 1/10W 4.7K	1	
R314	ERJ3GEYJ105	M. RESISTOR CH 1/10W 1M	1	
R315	ERJ3GEYJ102	M. RESISTOR CH 1/10W 1K	1	
R316	ERJ3GEYJ391	M. RESISTOR CH 1/10W 390	1	
R317	ERJ3GEYJ272	M. RESISTOR CH 1/10W 2.7K	1	
R318	ERJ3GEYJ181	M. RESISTOR CH 1/10W 180	1	
R319	ERJ3GEYJ473	M. RESISTOR CH 1/10W 47K	1	
R320	ERJ3GEYJ222	M. RESISTOR CH 1/10W 2.2K	1	
R321	ERJ3GEYJ105	M. RESISTOR CH 1/10W 1M	1	
R323	ERJ3GEYJ102	M. RESISTOR CH 1/10W 1K	1	
R324	ERJ3GEYJ124	M. RESISTOR CH 1/10W 120K	1	
R325	ERJ3RBD683	M. RESISTOR CH 1/10W 68K	1	
R326	ERJ3RBD223	M. RESISTOR CH 1/10W 22K	1	
R327	ERJ3GEYJ103	M. RESISTOR CH 1/10W 10K	1	
R328	ERJ3GEYJ472	M. RESISTOR CH 1/10W 4.7K	1	
R329	ERJ3GEYJ881	M. RESISTOR CH 1/10W 880	1	
R330	ERJ3GEYJ473	M. RESISTOR CH 1/10W 47K	1	
R332	ERJ3GEYJ472	M. RESISTOR CH 1/10W 4.7K	1	
R334	ERJ3GEYJ471	M. RESISTOR CH 1/10W 470	1	
R335	ERJ3GEYJ102	M. RESISTOR CH 1/10W 1K	1	
R336	ERJ3GEYJ152	M. RESISTOR CH 1/10W 1.5K	1	
R337	ERJ3GEYJ103	M. RESISTOR CH 1/10W 10K	1	
R338	ERJ3GEYJ102	M. RESISTOR CH 1/10W 1K	1	
R339	ERJ3GEYJ154	M. RESISTOR CH 1/10W 150K	1	
R340	ERJ3GEYJ103	M. RESISTOR CH 1/10W 10K	1	
R344, 45	ERJ3GEYJ103	M. RESISTOR CH 1/10W 10K	2	
R346	ERJ3GEYJ102	M. RESISTOR CH 1/10W 1K	1	
R347	ERJ3GEYJ103	M. RESISTOR CH 1/10W 10K	1	
R358	ERJ3GEYJ471	M. RESISTOR CH 1/10W 470	1	
R359	ERJ3GEYJ332	M. RESISTOR CH 1/10W 3.3K	1	
R380	ERJ3GEYJ473	M. RESISTOR CH 1/10W 47K	1	
R381	ERJ3GEYJ472	M. RESISTOR CH 1/10W 4.7K	1	
R383	ERJ3GEYJ102	M. RESISTOR CH 1/10W 1K	1	
R384, 65	ERJ3GEYJ472	M. RESISTOR CH 1/10W 4.7K	2	
R370	ERJ3GEYJ102	M. RESISTOR CH 1/10W 1K	1	
R371	ERJ3GEYJ105	M. RESISTOR CH 1/10W 1M	1	
R373	ERJ3GEYJ153	M. RESISTOR CH 1/10W 15K	1	
R376	ERJ3GEYJ103	M. RESISTOR CH 1/10W 10K	1	
R377	ERJ3RBD473	M. RESISTOR CH 1/10W 47K	1	
R379	ERJ3GEYJ821	M. RESISTOR CH 1/10W 820	1	
R380	ERJ3GEYJ222	M. RESISTOR CH 1/10W 2.2K	1	
R381	ERJ3GEYJ472	M. RESISTOR CH 1/10W 4.7K	1	
R382	ERJ3GEYJ103	M. RESISTOR CH 1/10W 10K	1	
R386	ERJ3GEYJ472	M. RESISTOR CH 1/10W 4.7K	1	
R394	ERJ3GEYJ331	M. RESISTOR CH 1/10W 330	1	
R396	ERJ3GEYJ103	M. RESISTOR CH 1/10W 10K	1	
R400	ERJ3GEYJ102	M. RESISTOR CH 1/10W 1K	1	
R401	ERJ3GEYJ104	M. RESISTOR CH 1/10W 100K	1	
R502	ERJ3GEYJ681	M. RESISTOR CH 1/10W 680	1	
R503	ERJ3GEYJ472	M. RESISTOR CH 1/10W 4.7K	1	
R504	ERJ3GEYJ223	M. RESISTOR CH 1/10W 22K	1	
R505	ERJ3GEYJ333	M. RESISTOR CH 1/10W 33K	1	
R506	ERJ3GEYJ514	M. RESISTOR CH 1/10W 510K	1	
R507	ERJ3RBD823	M. RESISTOR CH 1/10W 82K	1	
R508	ERJ3GEYJ821	M. RESISTOR CH 1/10W 820	1	
R509	ERJ68ED514	M. RESISTOR CH 1/10W 510K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R511	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1		R729	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R512	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R730	ERJ3GEYJ822	M. RESISTOR CH 1/16W 8.2K	1	
R514	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1		R731	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R515	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1		R732	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R516	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1		R733	ERJ3GEYJ564	M. RESISTOR CH 1/16W 560K	1	
R523	ERJ3GEYJ133	M. RESISTOR CH 1/16W 13K	1		R734, 35	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	2	
R525	ERJ3RED274	M. RESISTOR CH 1/16W 270K	1		R736, 37	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	2	
R528	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1		R738	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K	1	
R527	ERJ3RBD683	M. RESISTOR CH 1/16W 68K	1		R740	ERJ3GEYJ124	M. RESISTOR CH 1/16W 120K	1	
R532	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1		R743	ERJ3RBD752	M. RESISTOR CH 1/16W 7.5K	1	
R534	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1		R745	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R540	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1		R761	ERJ3RBD222	M. RESISTOR CH 1/16W 2.2K	1	
R601	ERJ3RBD132	M. RESISTOR CH 1/16W 1.3K	1		R1001	ERJ3RBD822	M. RESISTOR CH 1/16W 8.2K	1	
R602	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R1002	ERJ3RBD272	M. RESISTOR CH 1/16W 2.7K	1	
R603	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1		R1005	ERJ3RBD472	M. RESISTOR CH 1/16W 4.7K	1	
R604	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1		R1006	ERJ3RBD272	M. RESISTOR CH 1/16W 2.7K	1	
R605	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1		R1007	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1	
R606	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1		R1008	ERJ3RBD183	M. RESISTOR CH 1/16W 18K	1	
R607	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1		R1009	ERJ3RBD152	M. RESISTOR CH 1/16W 1.5K	1	
R608	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1		R1012	ERJ6RHD1872	M. RESISTOR CH 1/10W 18.7K	1	
R610	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1		R1013	ERJ6RBD473	M. RESISTOR CH 1/10W 47K	1	
R611	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1		R1014, 15	ERJ6RBD182	M. RESISTOR CH 1/10W 1.8K	2	
R612	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1		R1016	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R615	ERJ3RBD183	M. RESISTOR CH 1/16W 18K	1		R1017	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R616	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1		R1018	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
R617	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1		R1019	ERJ3GEYJ332	M. RESISTOR CH 1/16W 3.3K	1	
R618	ERJ3GEYJ564	M. RESISTOR CH 1/16W 560K	1		R1020	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
R619	ERJ3GEYJ822	M. RESISTOR CH 1/16W 8.2K	1		R1021	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1	
R621	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1		R1022	ERJ3GEYJ220	M. RESISTOR CH 1/16W 22	1	
R622	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1		R1023	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R623	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1		R1024	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R624	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1		R1025	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R625	ERJ3GEYJ152	M. RESISTOR CH 1/16W 1.5K	1		R1035	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R626	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1		R1038	ERJ3RBD101	M. RESISTOR CH 1/16W 100	1	
R627	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1		R1039	ERJ3RBD581	M. RESISTOR CH 1/16W 580	1	
R632, 33	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	2		R1040	ERJ3RBD101	M. RESISTOR CH 1/16W 100	1	
R634	ERJ3GEYJ332	M. RESISTOR CH 1/16W 3.3K	1		R1052	ERJ3GEYJ823	M. RESISTOR CH 1/16W 82K	1	
R635	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1		R1057	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R636	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1		R1063	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R637, 38	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	2		R1084, 85	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	2	
R639, 40	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	2		R1088	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R643	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1		R1067	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R645	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1		R1068	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R646	ERJ3GEYJ823	M. RESISTOR CH 1/16W 82K	1		R1069	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R649	ERJ3GEYJ823	M. RESISTOR CH 1/16W 8.2K	1		R1071	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R651	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1		R1072	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R652	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1		R1073	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R654, 55	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	2		R1085, 86	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	
R657	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1		A R1601	VSF0226D25T	FUSE	1	
R666, 67	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	2		R1602	ERJ3GEYJ124	M. RESISTOR CH 1/16W 120K	1	
R672	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1		R1603	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1	
R673	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R1699	ERJ3GEYJ181	M. RESISTOR CH 1/16W 180	1	
R675-77	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	3		R1702	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R682	ERJ3GEYJ271	M. RESISTOR CH 1/16W 270	1		R1724	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R687	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1		R1728	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R689	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1		R1727	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R691	ERJ3GEYJ106	M. RESISTOR CH 1/16W 10M	1		R1801	ERJ3RBD883	M. RESISTOR CH 1/10W 88K	1	
R694	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1		R1802	ERJ3RBD101	M. RESISTOR CH 1/16W 100	1	
R701-04	ERJ3GEYJ393	M. RESISTOR CH 1/16W 3.3	4		R1803	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R705	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1		R1804	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
R708	ERJ3GEYJ152	M. RESISTOR CH 1/16W 1.5K	1		R1808	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R707	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1		R1809	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R708	ERJ3GEYJ271	M. RESISTOR CH 1/16W 270	1		R1810	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R709	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R1811	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1	
R711	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1		R1812	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R712	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1		R1813	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R713	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1		R1814	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
R716	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R1815, 16	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	2	
R717	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1		R1820, 21	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	2	
R718	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1		R1824	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R722	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1		R2001, 02	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R723	ERJ3RBD221	M. RESISTOR CH 1/16W 220	1		R2010	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R726	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1		R2012	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1	
R727	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1		R2019, 20	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	2	
R728	ERJ3GEYJ882	M. RESISTOR CH 1/16W 8.8K	1		R2201	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2202	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R2203	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
R2205	ERJ3GEYJ33	M. RESISTOR CH 1/8W 0.33	1	
R2206	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R2207	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R2209	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R2210	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R2211	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K	1	
R2212	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R2213	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R2216	ERJ3RQR22	M. RESISTOR CH 1/8W 0.22	1	
R3001	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R3004	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R3005	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R3006	ERJ3RBD882	M. RESISTOR CH 1/16W 8.8K	1	
R3007	ERJ3RBD202	M. RESISTOR CH 1/16W 2K	1	
R3008	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R3009	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R3010	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R3018	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R3020	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R3022	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R3023	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R3025	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R3026	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R3030	ERJ3GEYJ581	M. RESISTOR CH 1/16W 580	1	
R3034	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R3050	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R3057	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R3058	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R3059	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
R3060	ERJ3RED820	M. RESISTOR CH 1/16W 82	1	
R4001	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
R4002	ERJ3GEYJ184	M. RESISTOR CH 1/16W 180K	1	
R4004	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R4005	ERJ3GEYJ394	M. RESISTOR CH 1/16W 390K	1	
R4006	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4007	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4008	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R4009	ERJ3GEYJ225	M. RESISTOR CH 1/16W 2.2K	1	
R4010	ERJ3GEYJ271	M. RESISTOR CH 1/16W 270	1	
R4011	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4012	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R4013	ERJ3GEYJ880	M. RESISTOR CH 1/16W 88	1	
R4014	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R4015, 16	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	2	
R4017	ERJ3GEYJ2R2	M. RESISTOR CH 1/16W 2.2	1	
R4018	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R4019	ERJ3GEYJ581	M. RESISTOR CH 1/16W 580	1	
R4020	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R4021	ERJ3RBD683	M. RESISTOR CH 1/16W 68K	1	
R4022	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R4023	ERJ3RBD183	M. RESISTOR CH 1/16W 18K	1	
R4024	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R4025, 26	ERJ3GEYJ394	M. RESISTOR CH 1/16W 390K	2	
R4027, 28	ERJ3RBD183	M. RESISTOR CH 1/16W 18K	2	
R4029	ERJ3RBD103	M. RESISTOR CH 1/16W 10K	1	
R4030	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4031	ERJ3RBD203	M. RESISTOR CH 1/16W 20K	1	
R4032	ERJ3RBD151	M. RESISTOR CH 1/16W 150	1	
R4033	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4034	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4035	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R4036	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R4037	ERJ3RBD822	M. RESISTOR CH 1/16W 8.2K	1	
R4038	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	1	
R4040	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R4041	ERJ3GEYJ822	M. RESISTOR CH 1/16W 8.2K	1	
R4042	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R4050	ERJ3RBD103	M. RESISTOR CH 1/16W 10K	1	
R4060	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R4102	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4103	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R4104	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R4106	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4107	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R4801	ERJ6GEYJ581	M. RESISTOR CH 1/10W 580	1	
R4802	ERJ6GEYJ222	M. RESISTOR CH 1/10W 2.2K	1	
R4803	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4804	ERJ3RBD822	M. RESISTOR CH 1/16W 8.2K	1	
R4805	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R4806	ERJ3GEYJ152	M. RESISTOR CH 1/16W 1.5K	1	
R4807	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
R4808, 09	ERJ3GEYJ823	M. RESISTOR CH 1/16W 82K	2	
R4811	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4814	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R4815	ERJ3GEYJ332	M. RESISTOR CH 1/16W 3.3K	1	
R4830	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R5001	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
R5002, 03	ERJ3GEYJ880	M. RESISTOR CH 1/16W 88	2	
R5004	ERJ3GEYJ332	M. RESISTOR CH 1/16W 3.3K	1	
R5005	ERJ3GEY0113	M. RESISTOR CH 1/16W 11K	1	
R5007	ERJ3GEYJ581	M. RESISTOR CH 1/16W 580	1	
R5008	ERJ6GEYJ4R7	M. RESISTOR CH 1/10W 4.7	1	
R5500	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R5502	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
R5505	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R5506	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R5508	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R5510	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R5513	ERJ3GEYJ225	M. RESISTOR CH 1/16W 2.2K	1	
R5514, 15	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	
R5516	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R5517	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R5521	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
R5522	ERJ3RBD183	M. RESISTOR CH 1/16W 18K	1	
R5523	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R5524	ERJ3GEYJ332	M. RESISTOR CH 1/16W 3.3K	1	
R5526, 27	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	
R8001	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
R8002	ERJ3GEYJ822	M. RESISTOR CH 1/16W 8.2K	1	
R8003	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R8004	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R8005	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R8006	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R8007	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R8008	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R8009	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R8010	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R8011	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R8012	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R8013	ERJ3GEYJ152	M. RESISTOR CH 1/16W 1.5K	1	
R8014	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R8015	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R8016	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R8017	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R8019	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R8020	ERJ3GEY0333	M. RESISTOR CH 1/16W 33K	1	
R8021-23	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	3	
R8024	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R8025	ERJ3GEYJ335	M. RESISTOR CH 1/16W 3.3M	1	
R8026	ERJ3GEY0223	M. RESISTOR CH 1/16W 22K	1	
R8027	ERJ6GEYJ221	M. RESISTOR CH 1/10W 220	1	
R8029	ERJ3GEYJ304	M. RESISTOR CH 1/16W 30K	1	
R8030	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R8031	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R8032	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R8033	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R8034	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R8035	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R8036, 37	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R8038	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R8039, 40	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	2	
R8041	ERJ3GEYJ120	M. RESISTOR CH 1/8W 12	1	
R8042	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R8043	ERJ3GEYJ883	M. RESISTOR CH 1/16W 88K	1	
R8044	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R8045	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
R8046	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R8048, 49	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8050	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R8051	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R8052	ERJ3GEYJ822	M. RESISTOR CH 1/16W 8.2K	1	
R8053	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R8054	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R8056	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R8057	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R8058	ERJ3RBD183	M. RESISTOR CH 1/16W 18K	1	
R8059	ERJ3RBD433	M. RESISTOR CH 1/16W 47K	1	
R8080	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R8081	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R8082, 83	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R8084	ERJ3RBD383	M. RESISTOR CH 1/16W 38K	1	
R8085	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R8086	ERJ3GEYJ882	M. RESISTOR CH 1/16W 8.8K	1	
R8087	ERJ3GEYJ124	M. RESISTOR CH 1/16W 120K	1	
R8088	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R8089	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R8070	ERJ3GEYJ382	M. RESISTOR CH 1/16W 3.8K	1	
R8075	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R8078	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R8079	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R8080	ERJ3GEYJ332	M. RESISTOR CH 1/16W 3.3K	1	
R8081	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R8082	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R8083	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R8084	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R8085, 86	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	2	
R8087	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R8088, 89	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	
R8090	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K	1	
R8092	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R8093	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R8094	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R8095	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
R8097	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R8099	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R8100	ERJ3GEYJ883	M. RESISTOR CH 1/16W 88K	1	
R8101	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R8103	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R8104	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R8105	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R8106	ERJ3RBD333	M. RESISTOR CH 1/16W 33K	1	
R8107	ERJ3RBD823	M. RESISTOR CH 1/16W 82K	1	
R8108	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R8109	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R8110	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
R8111	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R8112	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R8113-15	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	3	
R8116	ERJ3GEYJ883	M. RESISTOR CH 1/16W 88K	1	
R8117	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R8118	ERJ3GEYJ883	M. RESISTOR CH 1/16W 88K	1	
R8119, 20	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R8121	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R8122	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1	
R8123	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R8124	ERJ6GEYJ221	M. RESISTOR CH 1/10W 220	1	
R8126	ERJ3GEYJ152	M. RESISTOR CH 1/16W 1.5K	1	
R8128	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
R8129	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R8131	ERJ3GEYJ883	M. RESISTOR CH 1/16W 88K	1	
R8132, 33	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	
R8203	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
R8204	ERJ3GEYJ884	M. RESISTOR CH 1/16W 880K	1	
R8205	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R8206	ERJ3GEYJ274	M. RESISTOR CH 1/16W 270K	1	
R8207	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R8211	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R8801	ERJ8GEYJ101	M. RESISTOR CH 1/8W 100	1	
R8802	ERJ3GEYJ181	M. RESISTOR CH 1/16W 180	1	
RA301	EXBV4V104J	RESISTOR-RESISTOR	1	
RA802	EXBV4VR000	RESISTOR-RESISTOR	1	
RA804	EXBV4V223J	RESISTOR-RESISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RA704	EXBV4V473J	RESISTOR-RESISTOR	1	
RA8001	EXBV8V102J	RESISTOR-RESISTOR	1	
RA8002	EXBV4V102J	RESISTOR-RESISTOR	1	
RA8003	EXBV8V102J	RESISTOR-RESISTOR	1	
RA8004	EXBV4V883J	RESISTOR-RESISTOR	1	
RA8006	EXBV4V883J	RESISTOR-RESISTOR	1	
RA8007	EXBV8V883J	RESISTOR-RESISTOR	1	
RA8008	EXBV4V883J	RESISTOR-RESISTOR	1	
RA8009	EXBV4V222J	RESISTOR-RESISTOR	1	
RA8010	EXBV8V102J	RESISTOR-RESISTOR	1	
RA8011	EXBV4V883J	RESISTOR-RESISTOR	1	
T1001	ELLO4T081R	TRANSFORMER	1	
T4001	EQQ808009T	TRANSFORMER	1	
W3002	VLP0184	COIL	1	
X301	VSX1020	CRYSTAL OSCILLATOR	1	
X801	VSX0872	CRYSTAL OSCILLATOR	1	
X8001	VSX0817	CRYSTAL OSCILLATOR	1	
X8003	VSX0801	CRYSTAL OSCILLATOR	1	
■ VEP26215A	MONITOR C. B. A.		(RTL)	
C901	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C902	ECST0JY108Z	T. CAPACITOR CH 8.3V 10U	1	
C904	ECUM0J225KBN	C. CAPACITOR CH 8.3V 2.2U	1	
C905	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C907	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C908	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C909	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C910	ECST0JY108Z	T. CAPACITOR CH 8.3V 10U	1	
C911	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C912, 13	ECUM0J225KBN	C. CAPACITOR CH 8.3V 2.2U	2	
C914	ECST1EX475Z	T. CAPACITOR CH 25V 4.7U	1	
C915	ECUM1C108VBP	C. CAPACITOR CH 18V 10U	1	
C918	ECUX1C333KBV	C. CAPACITOR CH 16V 0.033U	1	
C917	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C918, 19	ECST0JY108Z	T. CAPACITOR CH 8.3V 10U	2	
C925, 26	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C927	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C930	ECUM1C225KB	C. CAPACITOR CH 16V 2.2U	1	
C931	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C932	ECUM1A225KBM	C. CAPACITOR CH 10V 2.2U	1	
C933	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C935-37	ECUX1H470JCV	C. CAPACITOR CH 50V 47P	3	
C938, 39	ECST0JY108Z	T. CAPACITOR CH 8.3V 10U	2	
C940	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C941	ECUX1H270JCV	C. CAPACITOR CH 50V 27P	1	
C942	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
D901	MA111	DIODE	1	
D902	MA133	DIODE	1	
FP901	VJS3320B024	CONNECTOR (FEMALE) 24P	1	
FP902	VJS3320B008	CONNECTOR (FEMALE) 8P	1	
IC901	S80827ANNP	IC	1	
IC903	F432180APM	IC	1	
IC904	XC82FP3002MR	IC	1	
IC908	TA75558F	IC	1	
L801	VLQ0318K101	COIL 100UH	1	
L902	ELJPA470KB	COIL 47UH	1	
L903	ELJFA470JB	COIL 47UH	1	
L904	VLQ0318K100	COIL 10UH	1	
L905-08	ELJPA470KB	COIL 47UH	4	
L910	ELJPA470KB	COIL 47UH	1	
LB901	VLP0180	COIL	1	
P901	VJP4002B010P	CONNECTOR (MALE) 10P	1	
P902	VJP4002B012P	CONNECTOR (MALE) 12P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q901	XP4501	TRANSISTOR-TRANSISTOR	1	
Q902, 03	XP4801	TRANSISTOR-TRANSISTOR	2	
Q904	XP4501	TRANSISTOR-TRANSISTOR	1	
Q905	2SK2159	TRANSISTOR	1	
Q906-09	XP4801	TRANSISTOR-TRANSISTOR	4	
Q910	2SB1482-R	TRANSISTOR	1	
Q911	XP1501	TRANSISTOR-TRANSISTOR	1	
QR901	UN9111	TRANSISTOR-RESISTOR	1	
R901-03	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	3	
R904-06	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	3	
R907	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R908	ERJ3GEYJ220	M. RESISTOR CH 1/16W 22	1	
R909	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R910	ERJ3RBD103	M. RESISTOR CH 1/16W 10K	1	
R911	ERJ3RBD391	M. RESISTOR CH 1/16W 390	1	
R912	ERJ3RBD273	M. RESISTOR CH 1/16W 27K	1	
R913	ERJ3GEYJ824	M. RESISTOR CH 1/16W 820K	1	
R914	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R915	ERJ3GEYJ475	M. RESISTOR CH 1/16W 4.7M	1	
R916	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R917	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R919	ERJ3GEYJ270	M. RESISTOR CH 1/16W 27	1	
R920	ERJ3GEYJ332	M. RESISTOR CH 1/16W 3.3K	1	
R921	ERJ3GEYJ335	M. RESISTOR CH 1/16W 3.3M	1	
R922	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R923	ERJ3RBD273	M. RESISTOR CH 1/16W 27K	1	
R924	ERJ3GEYJ582	M. RESISTOR CH 1/16W 5.8K	1	
R925	ERJ3RBD273	M. RESISTOR CH 1/16W 27K	1	
R926	ERJ3GEYJ582	M. RESISTOR CH 1/16W 5.8K	1	
R927	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R928	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
R929	ERJ3GEYJ511	M. RESISTOR CH 1/16W 510	1	
R930	ERJ3GEYJ152	M. RESISTOR CH 1/16W 1.5K	1	
R931	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R932	ERJ3GEYR000	M. RESISTOR CH 1/16W 0	1	
R933	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R934	ERJ3GEYJ581	M. RESISTOR CH 1/16W 580	1	
R935	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R936	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R937, 38	ERJ8GEYJ335	M. RESISTOR CH 1/8W 3.3M	2	
R939	ERJ3RBD821	M. RESISTOR CH 1/16W 820	1	
R940-42	ERJ3RBD392	M. RESISTOR CH 1/16W 3.9K	3	
R947-49	ERJ3RBD104	M. RESISTOR CH 1/16W 100K	3	
R950-55	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	6	
R956	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R958, 59	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R965	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R968	ERJ3GEYJ883	M. RESISTOR CH 1/16W 88K	1	
R969	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R970	ERJ3RED184	M. RESISTOR CH 1/16W 180K	1	
R971	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R972	ERJ3GEYR000	M. RESISTOR CH 1/16W 0	1	
R973	ERJ3RED154	M. RESISTOR CH 1/16W 150K	1	
R974	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R975, 76	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	
R977-79	ERJ3GEYJ581	M. RESISTOR CH 1/16W 580	3	
T901	ETJ09K44A2	CHIP TRANSFORMER	1	
T902	EFTU21R202	TRANSFORMER	1	
X901	EF0B1805E5	CERAMIC OSCILLATOR	1	
	VEP28258A	E. V. F. C. B. A.		(RTL)
C801	EC0V1H104JL	P. CAPACITOR 50V 0.1U	1	
C802	ECA1CKF470	E. CAPACITOR 16V 47U	1	
C803, 04	ECUM1C1052FN	C. CAPACITOR CH 18V 1U	2	
C805	ECEAOJKE221	E. CAPACITOR 6.3V 220U	1	
C806	ECUM1H123KBN	C. CAPACITOR CH 50V 0.012U	1	
C807	ECUM1C105KBM	C. CAPACITOR CH 18V 1U	1	
C809	ECA1CKF470	E. CAPACITOR 16V 47U	1	
C811	VCEA1ACC101	E. CAPACITOR 10V 100U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C812	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C813	ECUM2J221KBM	C. CAPACITOR CH 630V 220P	1	
C814	VCEA1HCC010	E. CAPACITOR 50V 100U	1	
C815	ECUM2H331KBM	C. CAPACITOR CH 500V 330P	1	
C816	ECUM1C104KBN	C. CAPACITOR CH 18V 0.1U	1	
C818	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C831, 32	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	2	
C833	ECUM2A472JUM	C. CAPACITOR CH 100V 4700P	1	
D803	MA142WA	DIODE	1	
D804	MA143A	DIODE	1	
IC801	AN2516S	IC	1	
L801	ELJPA220KB	COIL 22UH	1	
L802	ELH5L3101	COIL	1	
L804	VLQ0426J880	COIL 88UH	1	
L806	VLQ0426J330	COIL 33UH	1	
P801	VJP1597T	CONNECTOR (MALE) 4P	1	
P802	VJP3318A004	CONNECTOR (MALE) 4P	1	
P803	VJP1596T	CONNECTOR (MALE) 3P	1	
P804	VJP1228A	CONNECTOR (MALE) 2P	1	
Q802	2SD968A-S	TRANSISTOR	1	
Q803, 04	2SB1218A	TRANSISTOR	2	
R801	ERJ8ENF4422	M. RESISTOR CH 1/10W 2.2K	1	
R802	ERJ8GEYJ3R9	M. RESISTOR CH 1/10W 3.9	1	
R804	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R806	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R807	ERJ8GEYJ150	M. RESISTOR CH 1/10W 15	1	
R808	ERJ3RBD242	M. RESISTOR CH 1/16W 2.4K	1	
R809	ERJ8GEYJ584	M. RESISTOR CH 1/10W 580K	1	
R810	ERJ8RBD104	M. RESISTOR CH 1/10W 100K	1	
R811	ERJ8GEYJ105	M. RESISTOR CH 1/10W 1M	1	
R815	ERJ8GEYJ102	M. RESISTOR CH 1/10W 1K	1	
R816	ERJ8GEYJ222	M. RESISTOR CH 1/10W 2.2K	1	
R817	ERJ8GEYJ472	M. RESISTOR CH 1/10W 4.7K	1	
R818	ERJ8GEYJ223	M. RESISTOR CH 1/10W 22K	1	
R819	ERJ8GEYJ275	M. RESISTOR CH 1/8W 2.7M	1	
R820	ERJ8GEYJ335	M. RESISTOR CH 1/8W 3.3M	1	
R821	ERJ8GEYJ105	M. RESISTOR CH 1/10W 1M	1	
R823	ERJ8GEYJ8R2	M. RESISTOR CH 1/10W 8.2	1	
R829	ERJ8ENF4222	M. RESISTOR CH 1/10W 2.2K	1	
R833	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R834	ERJ8GEYJ122	M. RESISTOR CH 1/10W 1.2K	1	
R835	ERJ8GEYJ223	M. RESISTOR CH 1/10W 22K	1	
R836	ERJ8GEYJ105	M. RESISTOR CH 1/10W 1M	1	
R840	ERJ8GEYJ106	M. RESISTOR CH 1/8W 10M	1	
R841	ERJ8GEYJ825	M. RESISTOR CH 1/8W 8.2M	1	
R842	ERJ8GEYJ106	M. RESISTOR CH 1/8W 10M	1	
R843	ERJ8GEYJ825	M. RESISTOR CH 1/8W 8.2M	1	
R844	ERJ3GEYJ270	M. RESISTOR CH 1/16W 27	1	
R845	ERJ8GEYJ221	M. RESISTOR CH 1/10W 220	1	
R850	ERJ8RBD822	M. RESISTOR CH 1/10W 8.2K	1	
R851	ERJ3RBD392	M. RESISTOR CH 1/16W 3.9K	1	
R852	ERJ8GEYJ822	M. RESISTOR CH 1/10W 8.2K	1	
R853	ERJ8GEYJ103	M. RESISTOR CH 1/10W 10K	1	
S801	VEE0017	CRT SOCKET	1	
T801	ETF08L202A	FLYBACK TRANSFORMER	1	
VR801	VRV0282B221	VARIABLE RESISTOR	1	
VR803	EVMLSGA00BV8	TRIMMER POTENTIOMETERS	1	
VR804	VRV0282B474	VARIABLE RESISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	■ VEK8578	MIC UNIT							
C8801	ECA0JM221	E. CAPACITOR 6.3V 220U	1						
D6801	BR2202S-20B1	DIODE	1						
D8802	PH310	DIODE	1						
D8805, 06	MA165VT	DIODE	2						
FP6801	VJS3913A012	CONNECTOR (FEMALE) 12P	1						
IC8801	RPM6837-V4	IC	1						
L8801	VLQEL05S101K	COIL 100UH	1						
VR6801	VRV0294	MF VOLUME	1						
W6801	VWJ0121	FLAT CARD CABLE	1						
		MISCELLANEOUS							
	VEK8322	WIRE CABLE	1						
	VQ3208	SENSOR HOLDER	1						
	V8U7720	MF KNOB	1						
	XQN16+BJ4	SCREW	1						
	VWJ12SW050LL	FLAT CARD CABLE	1						
	■ VEP22278B	CCD FLEX. CARD C. B. A.		(RTL)					
C282	ECST1VX225Z	T. CAPACITOR CH 35V 2.2U	1						
C283	ECUM1H473KBN	G. CAPACITOR CH 50V 0.047U	1						
C285	ECUM1E104ZFN	G. CAPACITOR CH 25V 0.1U	1						
D281	MA153	DIODE	1						
PS281	VJS3500C012	CONNECTOR (FEMALE) 12P	1						
Q281	2SC2285	TRANSISTOR	1						
R281	ERJ8GEYJ580	M. RESISTOR CH 1/10W 58	1						
R282	ERJ8GEYJ472	M. RESISTOR CH 1/10W 4.7K	1						
		MISCELLANEOUS							
	VJB22276	FLEX. CARD	1						
	■ VEP08C50A	SENSOR FLEX. CARD		(RTL)					
IC881, 82	DN8797MSC	IC	2						

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