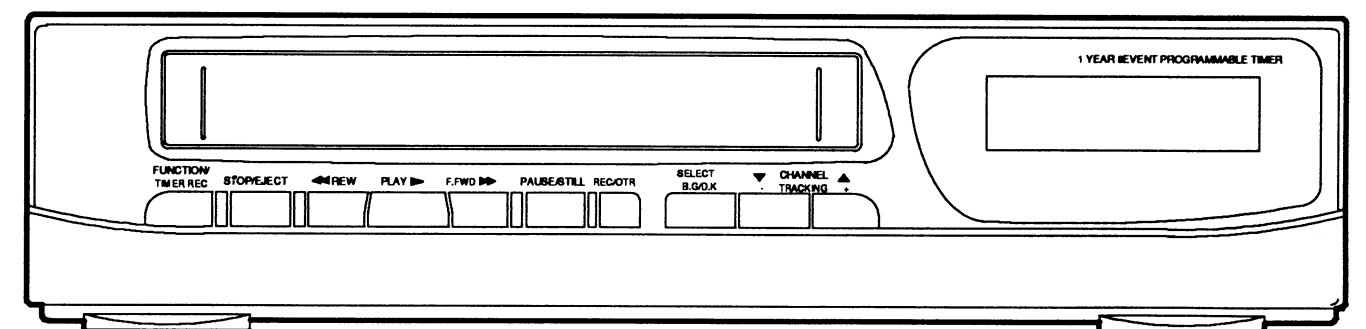




SERVICE MANUAL ADDENDUM

MODEL NO. V-3EEMK6

Video Cassette Recorder



Video cassette recorders bearing the "HQ" mark incorporate VHS high quality technology. Note that there is interchangeability with former VHS video cassette recorders.

SCHEMATIC DIAGRAMS/CBA AND TEST POINTS

Standard Notes

Warning

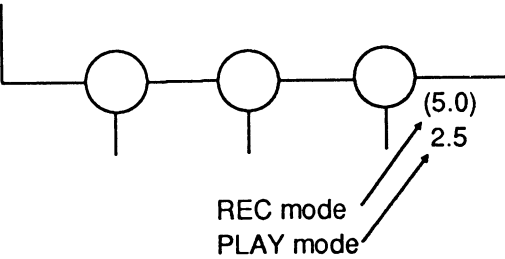
Many electrical and mechanical parts in this chassis have special characteristics. These characteristics often pass unnoticed and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by a "Δ" in the schematic diagram and the parts list. Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts that do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

Capacitor Temperature Markings

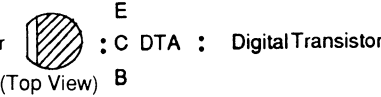
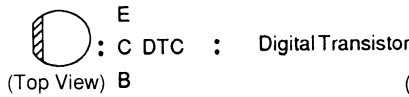
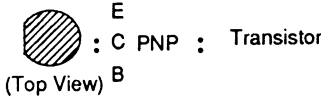
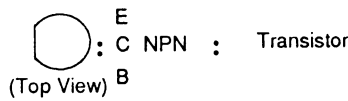
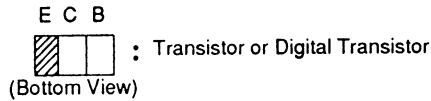
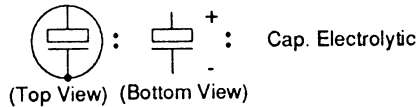
Mark	Capacity change rate	Standard temperature	Temperature range
(B)	±10%	20°C	-25~+85°C
(F)	+30 -80%	20°C	-25~+85°C
(SR)	±15%	20°C	-25~+85°C
(Z)	+30 -80%	20°C	-10~+70°C

Note :

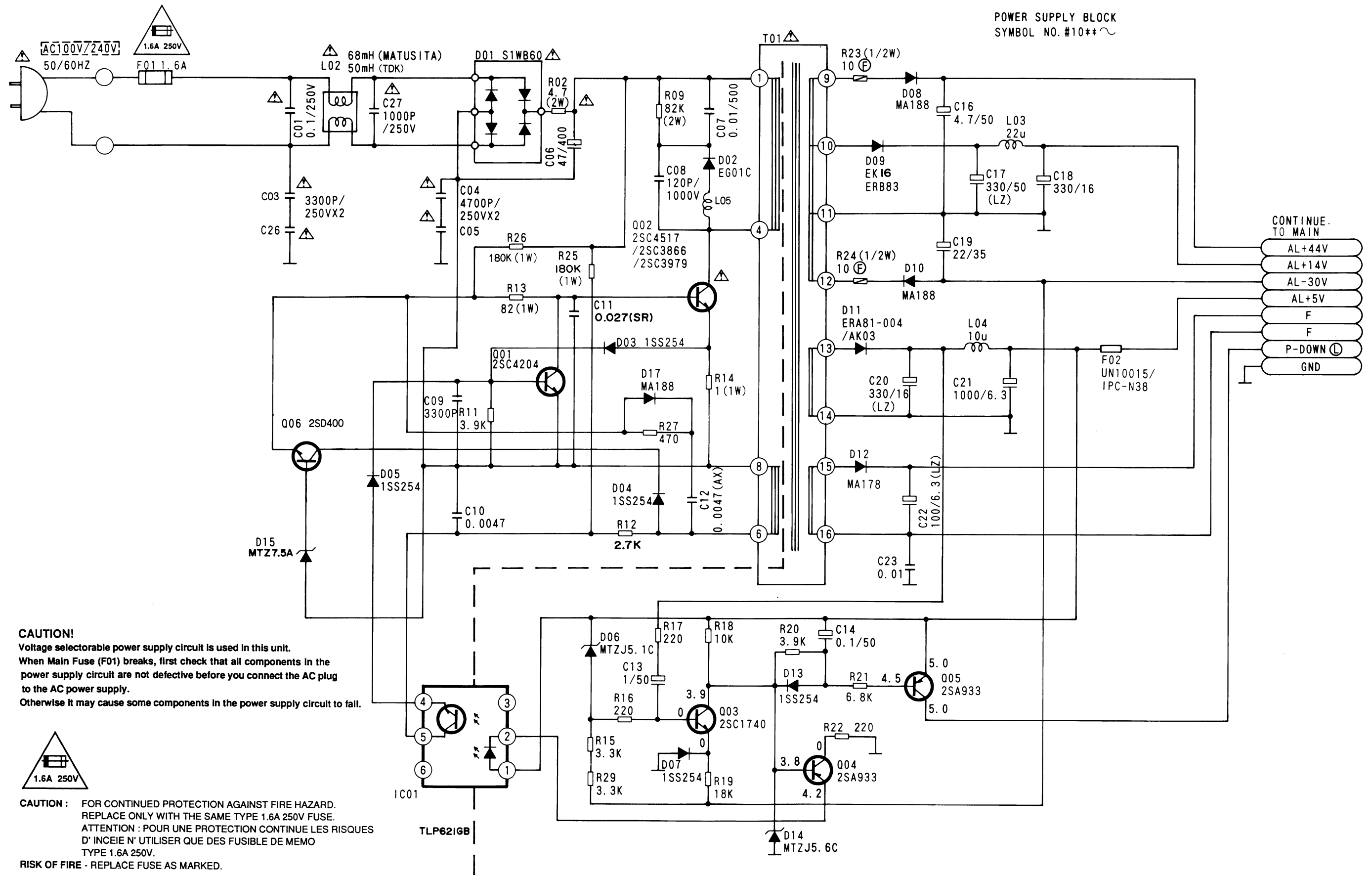
1. Do not use the part number shown on these drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since these drawings were prepared.
2. All resistance values are indicated in ohms ($K=10^3$, $M=10^6$).
3. Resistor wattages are 1/5W or 1/6W unless otherwise specified.
4. All capacitance values are indicated in μF ($P=10^{-6}\mu F$).
5. All voltages are DC voltages unless otherwise specified.
6. Voltage Indications for PLAY and REC modes on the Schematics are as shown below.

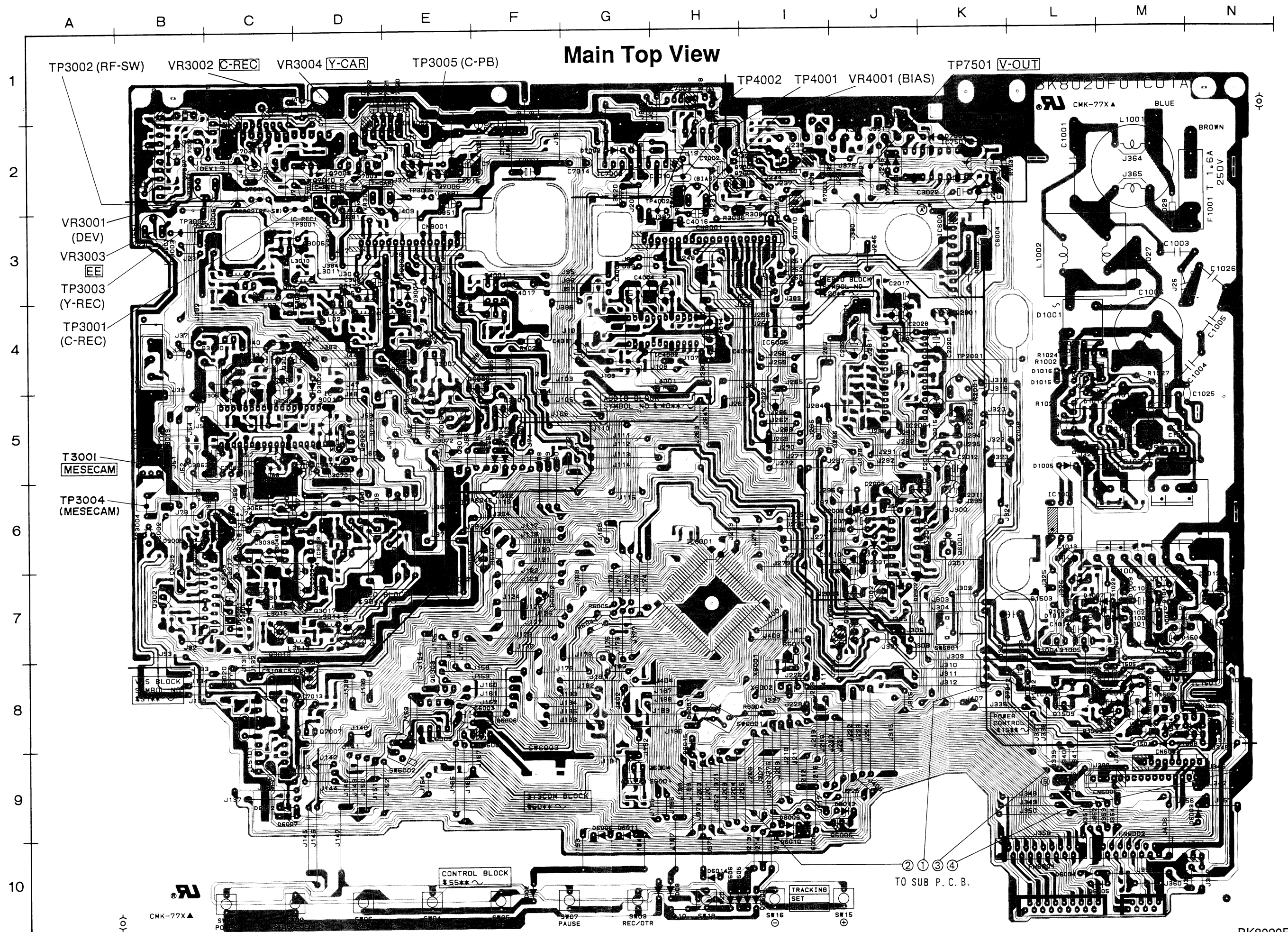


Capacitors and transistors are represented by the following symbols.



Power Supply

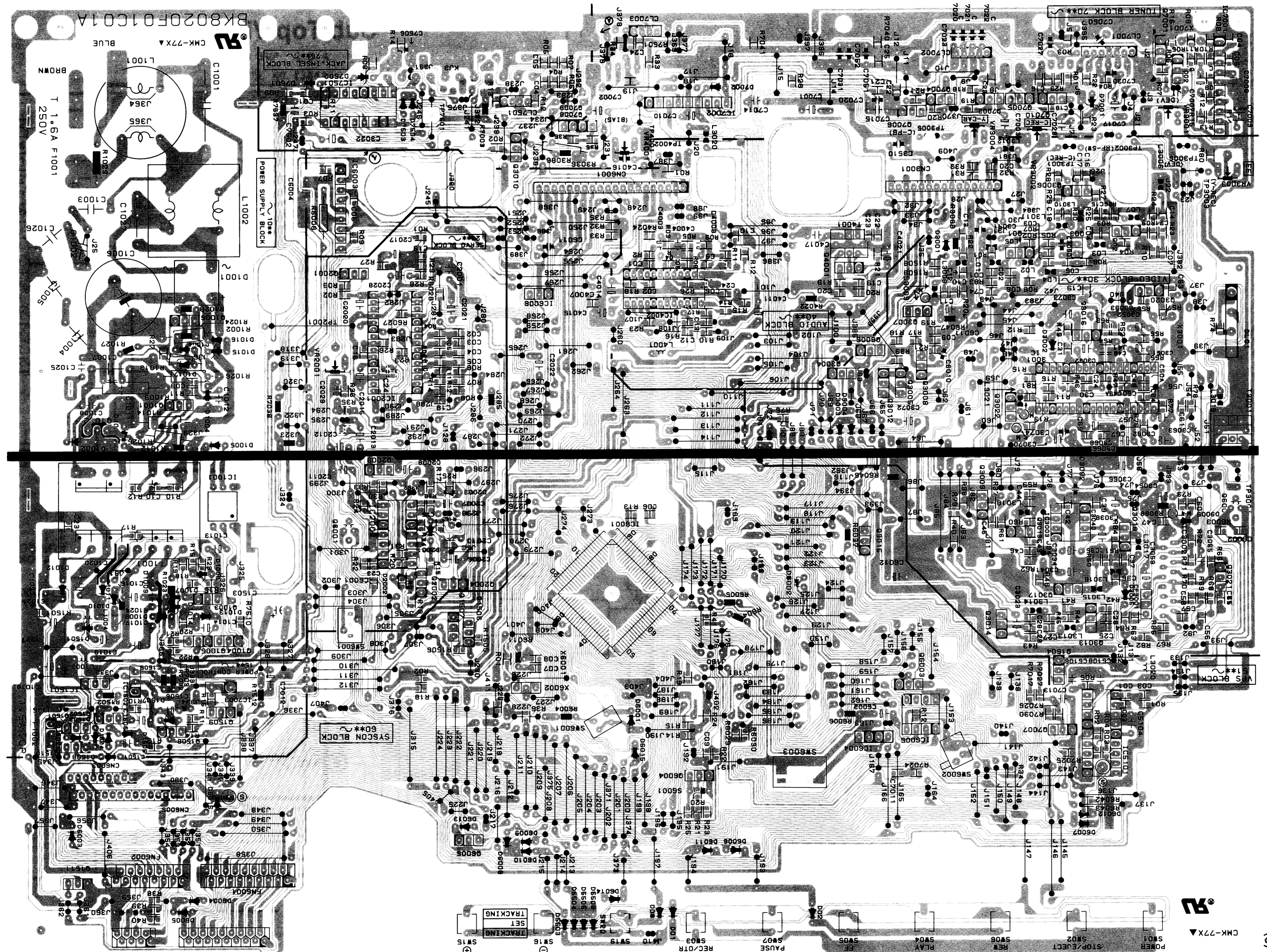




A B C D E F G H I J K L M N

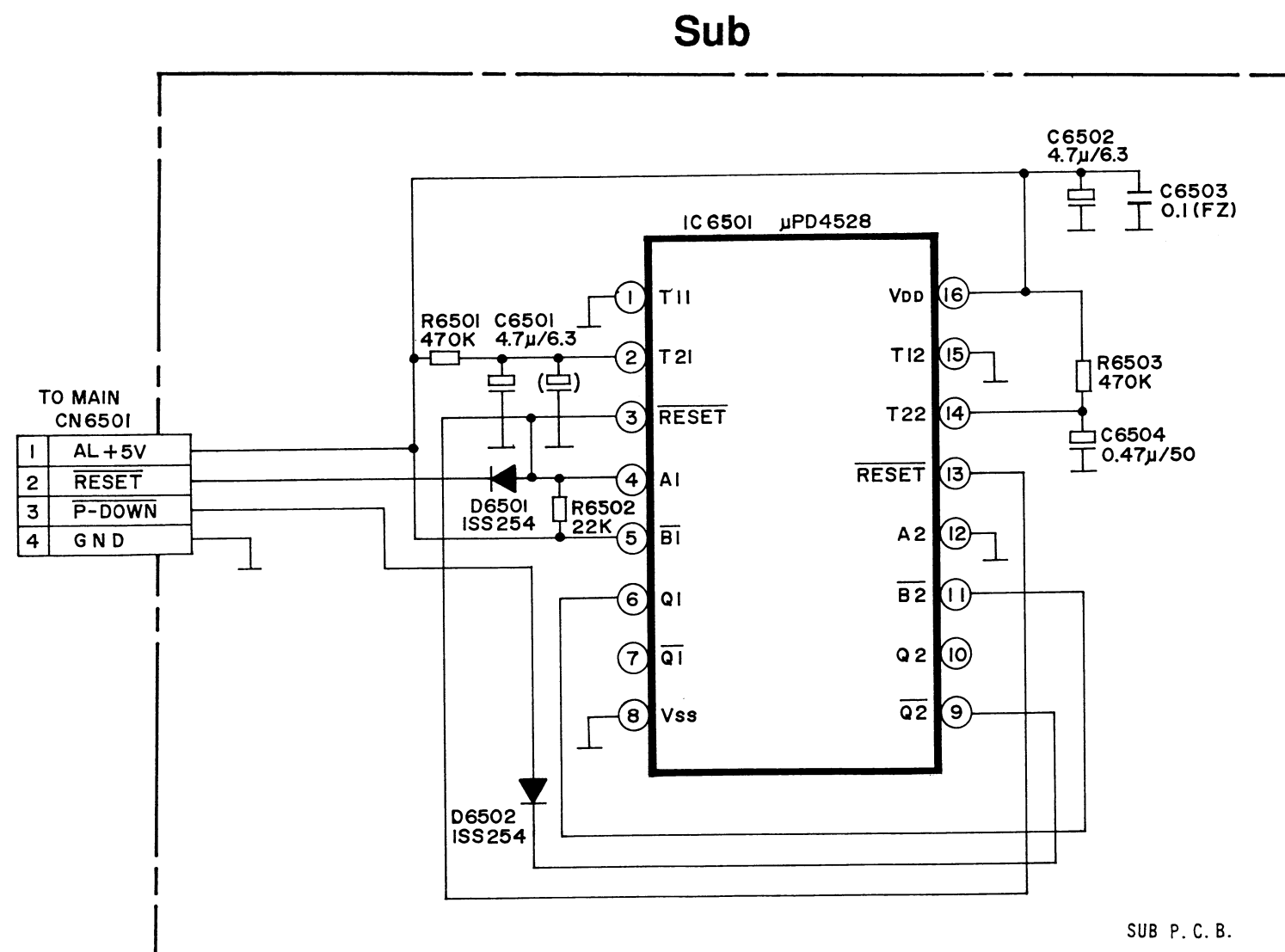
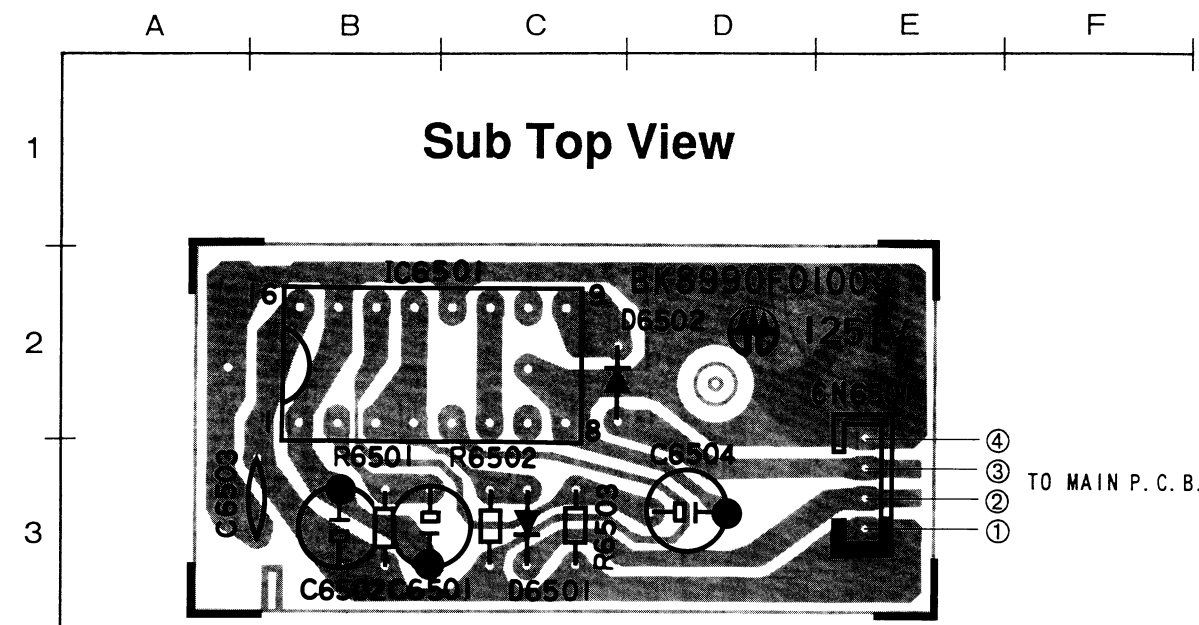
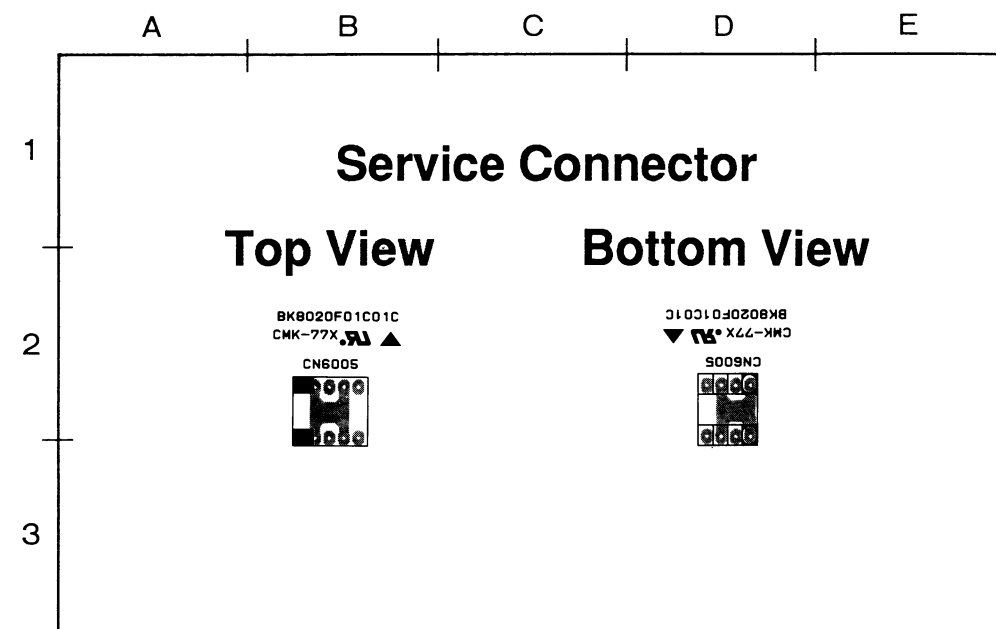
Main Bottom View

1
2
3
4
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6
7
8
9
10



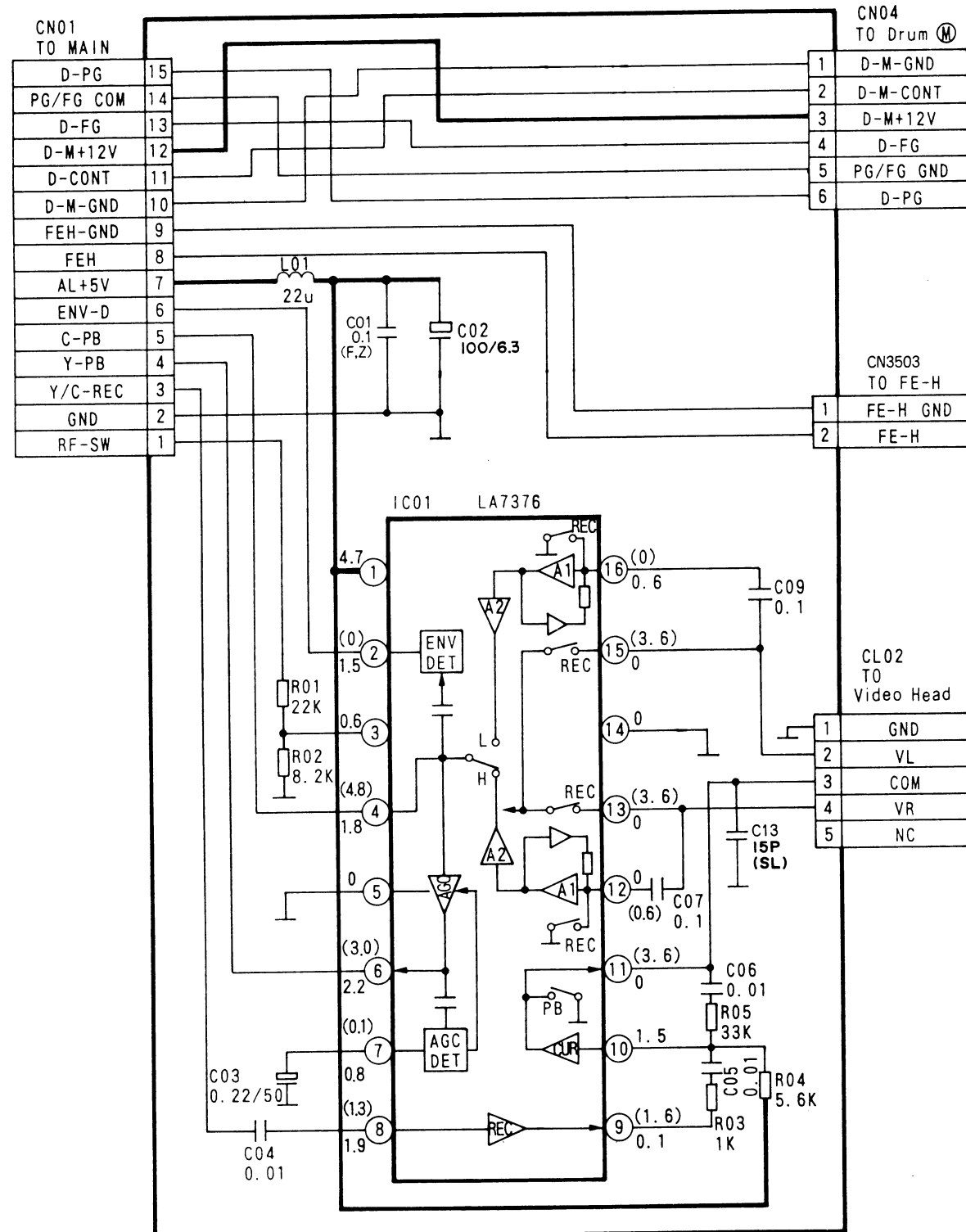
CMK-77X

101



Head Amp

HEAD AMP C. B. A.
SYMBOL NO. #35**



NORMARK: PLAY Mode
() : REC Mode

ELECTRICAL PARTS LIST

PRODUCT SAFETY NOTE: Products marked with a Δ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice of this service manual. Don't degrade the safety of the product through improper servicing.

*Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25%	J.....±5%	Z.....+80/-20%
D.....±0.5%	K.....±10%	X.....+40/-20%
F.....±1%	M.....±20%	P.....+100%
G.....±2%	N.....±30%	

MCV CBA Assembly....0VSA05162
(Consists of MCV-A/ MCV-B)
MCV-A CBANot available
MCV-B CBANot available

TMV CBA0VSA05024
PRV CBA0VSA05317
SUB CBA0VSA05482

MCV-A (Main) CBA

Ref.No.	Description	PartNo.
	MCV-A (Main) CBA	NOT AVAILABLE
	CONSISTS OF THE FOLLOWING:	
	CAPACITORS	
C 1001 Δ	METALLIZED FILM CAP. 0.1μF/250V M	CA2E104MS005
C 1004 Δ	CERAMIC CAP. SAFETY 4700pF or CERAMIC CAP. SAFETY 4700pF	1220885 CA2H472MS001
C 1005 Δ	CERAMIC CAP. SAFETY 4700pF or CERAMIC CAP. SAFETY 4700pF	1220885 CA2H472MS001
C 1006	ELECTROLYTIC CAP. 100μF/400V M or ELECTROLYTIC CAP. 100μF/400V M or ELECTROLYTIC CAP. 100μF/400V M	CA2H101NC008 CA2H101EA008 CA2H101MS008
C 1007	CERAMIC CAP. 0.01μF/500V or CERAMIC CAP. 0.01μF/500V	CA2J103TU001 CCD2JKP0B103
C 1008	CERAMIC CAP. SL J 56pF/1KV or CERAMIC CAP. SL K 56pF/1KV	CA3A560MR506 CCD3AKPSL560
C 1009	CHIP CERAMIC CAP. B K 0.0033μF/50V	CHE1JKB0B332
C 1010	CHIP CERAMIC CAP. F Z 0.0047μF/50V	CHE1JZB0F472
C 1011	SEMICONDUCTOR CAP. SR K 0.027μF/25V	12Y2273S
C 1012	CERAMIC CAP. B K 0.0047μF/50V	12B3472S
C 1013	ELECTROLYTIC CAP. 1μF/50V M	526W105S
C 1014	ELECTROLYTIC CAP. 1μF/50V H	526W105S
C 1016	ELECTROLYTIC CAP. 4.7μF/50V M	126F475S
C 1017	ELECTROLYTIC CAP. 330μF/50V M or ELECTROLYTIC CAP. 330μF/50V	121H337S CA1J331SP007
C 1018	ELECTROLYTIC CAP. 330μF/16V M	126C337S
C 1019	ELECTROLYTIC CAP. 22μF/35V M	126E226S
C 1020	ELECTROLYTIC CAP. 330μF/16V M or ELECTROLYTIC CAP. 330μF/16V	121D337S CA1C331SP008
C 1021	ELECTROLYTIC CAP. 1000μF/6.3V M	126A108S
C 1022	ELECTROLYTIC CAP. 100μF/6.3V or ELECTROLYTIC CAP. 100μF/6.3V	CA0K101NC006 CA0K101SP008
C 1023	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 1501	ELECTROLYTIC CAP. 0.47μF/50V M	126F474S
C 1505	ELECTROLYTIC CAP. 4.7μF/50V M	126F475S
C 1506	ELECTROLYTIC CAP. 4.7μF/50V M	126F475S
C 2001	POLYESTER FILM CAP. 0.033μF/50V J	2254333S
C 2002	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 2003	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 2004	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 2005	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103

Ref.No.	Description	PartNo.
C 2006	ELECTROLYTIC CAP. 100μF/6.3V M H7	526R107S
C 2007	ELECTROLYTIC CAP. 0.22μF/50V M H7	526W224S
C 2009	ELECTROLYTIC CAP. 100μF/6.3V M H7	526R107S
C 2010	SEMICONDUCTOR CAP. SR K 0.15μF/16V	12Y6154S
C 2011	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 2012	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 2013	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 2015	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 2016	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 2017	ELECTROLYTIC CAP. 10μF/16V M LL	124H106S
C 2018	CHIP CERAMIC CAP. B K 0.027μF/16V	CHE1CKB0B273
C 2019	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 2020	ELECTROLYTIC CAP. 47μF/6.3V M H7	526R476S
C 2021	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 2022	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 2023	CHIP CERAMIC CAP. B K 0.001μF/50V	CHE1JKB0B102
C 2024	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 2025	CHIP CERAMIC CAP. B K 0.022μF/16V	CHE1CKB0B223
C 2028	ELECTROLYTIC CAP. 47μF/6.3V M H7	526R476S
C 2029	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 3001	CHIP CERAMIC CAP. SL J 18pF/50V	CHE1JBSL180
C 3002	CHIP CERAMIC CAP. SL J 18pF/50V	CHE1JBSL180
C 3003	CHIP CERAMIC CAP. SL J 39pF/50V	CHE1JBSL390
C 3004	CHIP CERAMIC CAP. SL J 22pF/50V	CHE1JBSL220
C 3005	CHIP CERAMIC CAP. SL J 27pF/50V	CHE1JBSL270
C 3006	CHIP CERAMIC CAP. F Z 0.022μF/50V	CHE1JZB0F223
C 3007	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 3010	CHIP CERAMIC CAP. B K 220pF/50V	CHE1JKB0B221
C 3011	CHIP CERAMIC CAP. SL J 56pF/50V	CHE1JBSL560
C 3012	CHIP CERAMIC CAP. B K 220pF/50V	CHE1JKB0B221
C 3013	CHIP CERAMIC CAP. B K 0.022μF/16V	CHE1CKB0B223
C 3014	CHIP CERAMIC CAP. SL J 68pF/50V	CHE1JBSL680
C 3015	CHIP CERAMIC CAP. SL J 150pF/50V	CHE1JBSL151
C 3016	CHIP CERAMIC CAP. SL J 22pF/50V	CHE1JBSL220
C 3017	CHIP CERAMIC CAP. F Z 0.047μF/25V	CHE1EZB0F473
C 3018	CHIP CERAMIC CAP. SL D 10pF/50V	CHE1JDBSL100
C 3019	CHIP CERAMIC CAP. B K 0.022μF/16V	CHE1CKB0B223
C 3020	CHIP CERAMIC CAP. SL J 47pF/50V	CHE1JBSL470
C 3022	ELECTROLYTIC CAP. 470μF/6.3V M	126A477S
C 3023	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 3024	CHIP CERAMIC CAP. B K 390pF/50V	CHE1JKB0B391

Ref.No.	Description	PartNo.
C 3025	CHIP CERAMIC CAP. SL J 180pF/50V	CHE1JBSL181
C 3026	CHIP CERAMIC CAP. SL D 10pF/50V	CHE1JDBSL100
C 3027	CHIP CERAMIC CAP. SL J 22pF/50V	CHE1JBSL220
C 3028	CHIP CERAMIC CAP. SL J 47pF/50V	CHE1JBSL470
C 3029	CHIP CERAMIC CAP. SL J 56pF/50V	CHE1JBSL560
C 3030	CHIP CERAMIC CAP. SL J 18pF/50V	CHE1JBSL180
C 3031	CHIP CERAMIC CAP. SL J 100pF/50V	CHE1JBSL101
C 3032	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 3033	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 3034	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 3035	CHIP CERAMIC CAP. SL J 82pF/50V	CHE1JBSL820
C 3036	CHIP CERAMIC CAP. SL D 6pF/50V	CHE1JDBSL6R0
C 3037	CHIP CERAMIC CAP. SL J 39pF/50V	CHE1JBSL390
C 3038	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 3039	CHIP CERAMIC CAP. F Z 0.022μF/50V	CHE1JZB0F223
C 3040	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 3041	ELECTROLYTIC CAP. 4.7μF/50V M H7	526W475S
C 3042	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 3043	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 3044	CHIP CERAMIC CAP. SL J 22pF/50V	CHE1JBSL220
C 3045	CHIP CERAMIC CAP. B K 220pF/50V	CHE1JKB0B221
C 3046	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 3047	CHIP CERAMIC CAP. F Z 0.022μF/50V	CHE1JZB0F223
C 3048	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 3049	CHIP CERAMIC CAP. B K 0.022μF/16V	CHE1CKB0B223
C 3050	CHIP CERAMIC CAP. B K 0.022μF/16V	CHE1CKB0B223
C 3051	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 3052	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 3053	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 3054	ELECTROLYTIC CAP. 100μF/6.3V M H7	526R107S
C 3055	P.L CAP. 0.082μF/100V J	2231823
C 3056	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 3057	CHIP CERAMIC CAP. F Z 0.047μF/25V	CHE1EZB0F473
C 3058	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 3059	ELECTROLYTIC CAP. 22μF/16V M H7	526T226S
C 3060	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 3061	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 3062	ELECTROLYTIC CAP. 4.7μF/50V M H7	526W475S
C 3063	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 3064	CHIP CERAMIC CAP. B K 0.022μF/16V	CHE1CKB0B223
C 3065	ELECTROLYTIC CAP. 0.1μF/50V M H7	526W104S
C 3066	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 3067	CHIP CERAMIC CAP. F Z 0.1μF/16V	CHE1CZB0F104
C 3068	ELECTROLYTIC CAP. 220μF/6.3V M H7	526R227S
C 3069	CHIP CERAMIC CAP. F Z 0.1μF/16V	CHE1CZB0F104
C 3070	ELECTROLYTIC CAP. 4.7μF/50V M H7	526W475S
C 3071	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 3072	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 3073	ELECTROLYTIC CAP. 47μF/6.3V M H7	526R476S
C 3074	CHIP CERAMIC CAP. F Z 0.022μF/50V	CHE1JZB0F223
C 3075	CHIP CERAMIC CAP. B K 0.022μF/16V	CHE1CKB0B223
C 3076	CHIP CERAMIC CAP. B K 0.022μF/16V	CHE1CKB0B223
C 3510	CERAMIC CAP. F Z 0.047μF/50V	3F40473T
C 4001	CHIP CERAMIC CAP. B K 0.0015μF/50V	CHE1JKB0B152
C 4002	CHIP CERAMIC CAP. B K 0.0015μF/50V	CHE1JKB0B152
C 4003	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 4004	ELECTROLYTIC CAP. 22μF/6.3V M H7	526R226S
C 4005	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 4006	CHIP CERAMIC CAP. F Z 0.1μF/16V	CHE1CZB0F104
C 4008	ELECTROLYTIC CAP. 22μF/16V M H7	526T226S

Ref.No.	Description	PartNo.
C 4010	CHIP CERAMIC CAP. F Z 0.1μF/16V	CHE1CZB0F104
C 4011	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 4012	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 4013	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 4014	ELECTROLYTIC CAP. 4.7μF/25V M H7	526U475S
C 4015	ELECTROLYTIC CAP. 22μF/16V M H7	526T226S
C 4016	CERAMIC CAP. B J 220pF/50V	3B41221T
C 4017	MYLAR CAP. 0.047μF/100V J	6255473S
C 4019	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 4020	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 4021	ELECTROLYTIC CAP. 22μF/16V M H7	526T226S
C 4022	CHIP CERAMIC CAP. B K 0.0022μF/50V	CHE1JKB0B222
C 4023	CHIP CERAMIC CAP. B K 0.0022μF/50V	CHE1JKB0B222
C 6001	CHIP CERAMIC CAP. F Z 0.001μF/50V	CHE1JZB0F102
C 6002	CHIP CERAMIC CAP. F Z 0.001μF/50V	CHE1JZB0F102
C 6003	ELECTROLYTIC CAP. 220μF/6.3V M H7	526R227S
C 6004	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 6005	CHIP CERAMIC CAP. F Z 0.1μF/16V	CHE1CZB0F104
C 6006	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 6007	CHIP CERAMIC CAP. CH J 22pF/50V	CHE1JJBCH220
C 6008	CHIP CERAMIC CAP. CH J 27pF/50V	CHE1JJBCH270
C 6009	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 7001	ELECTROLYTIC CAP. 10μF/16V M	526T106S
C 7002	ELECTROLYTIC CAP. 100μF/16V M	526T107
C 7003	ELECTROLYTIC CAP. 10μF/16V M	526T106S
C 7004	CHIP CERAMIC CAP. B K 0.001μF/50V	CHE1JKB0B102
C 7005	CHIP CERAMIC CAP. B K 330pF/50V	CHE1JKB0B331
C 7006	ELECTROLYTIC CAP. 0.47μF/50V M	126F474S
C 7007	ELECTROLYTIC CAP. 1μF/50V M	526W105S
C 7008	CHIP CERAMIC CAP. B K 270pF/50V	CHE1JKB0B271
C 7009	ELECTROLYTIC CAP. 0.47μF/50V M	126F474S
C 7010	ELECTROLYTIC CAP. 10μF/16V M	526T106S
C 7011	CHIP CERAMIC CAP. SL J 100pF/50V	CHE1JBSL101
C 7012	ELECTROLYTIC CAP. 47μF/35V M	126E476S
C 7013	MYLAR CAP. 0.15μF/50V J	2254154S
C 7014	MYLAR CAP. 0.15μF/50V J	2254154S
C 7015	MYLAR CAP. 0.22μF/50V J	2254224S
C 7016	CHIP CERAMIC CAP. B K 0.0068μF/50V	CHE1JKB0B682
C 7017	ELECTROLYTIC CAP. 470μF/6.3V M	126A477S
C 7018	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 7020	CERAMIC CAP. B J 0.001μF/50V	3B41102T
C 7024	CHIP CERAMIC CAP. F Z 0.047μF/25V	CHE1EZB0F473
C 7501	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 7502	ELECTROLYTIC CAP. 100μF/6.3V M H7	526R107S
C 7504	CHIP CERAMIC CAP. B K 0.0039μF/50V	CHE1JKB0B392
C 7505	CHIP CERAMIC CAP. B K 470pF/50V	CHE1JKB0B471
CONNECTORS		
CN3001	STRAIGHT PIN CONNECTOR 15P	1770635
CN5501	HINGED PIN CONNECTOR 18P	J3TRJ18TG003
CN5502	HINGED PIN CONNECTOR 8P	J3TRJ08TG003
CN6001	STRAIGHT PIN CONNECTOR 20P	1770640
DIODES		
D 1001	DIODE S1WB60	AS1WB60*****
D 1002	DIODE EG01C	ODQZ000EG01C
D 1003	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 1004	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 1005	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT

K8032EL

Ref.No.	Description	PartNo.
D 1006	ZENER DIODE MTZ J5.1C	AMTZJ5R1CT77
D 1007	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 1008	SWITCHING DIODE AG1	QD4Z0000AG01
D 1009	SCHOTTKY BARRIER DIODE EK19 or	QD5Z0000EK19
	SCHOTTKY BARRIER DIODE ERB84	QD7Z0000ERB84
D 1010	SWITCHING DIODE MA188	QDTZ0000MA188
D 1011	DIODE AK04 or	QDQZ0000AK04
	DIODE ERA81-004	QDQZERA81004
D 1012	SWITCHING DIODE MA178	QDTZ0000MA178
D 1013	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 1014	ZENER DIODE MTZ J5.6C	AMTZJ5R6CT77
D 1015	ZENER DIODE MTZ7.5A or	AMTZ7R5AT77*
	ZENER DIODE MTZ7.5B	AMTZ7R5BT77*
D 1016	DIODE 1SS254	A1SS254T77**
D 1017	SWITCHING DIODE MA188	QDTZ0000MA188
D 1501	ZENER DIODE MTZ6.8B	AMTZ6R8BT77*
D 1502	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 1503	ZENER DIODE MTZ11B	AMTZ11BT77**
D 1504	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 1505	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 1508	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 2001	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 2002	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 2003	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 3001	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 3002	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 3003	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 3004	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 3005	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 5501	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 5502	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 5503	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 5504	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 5508	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 6001	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 6002	LED SIR-481ST3F	QPPZSIR4813F
D 6004	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 6010	DIODE 1SS254	A1SS254T77**
D 6013	DIODE 1SS254 or	A1SS254T77**

K8032EL

Ref.No.	Description	PartNo.
D 6016	DIODE GMB01B	GMB01BT
	DIODE 1SS254 or	A1SS254T77**
D 7001	ZENER DIODE MTZ4.3B	AMTZ4R3BT77*
D 7002	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
D 7501	ZENER DIODE MTZ5.6A or	AMTZ5R6AT77*
	ZENER DIODE MTZ5.6B	AMTZ5R6BT77*
D 7502	ZENER DIODE MTZ5.6A or	AMTZ5R6AT77*
	ZENER DIODE MTZ5.6B	AMTZ5R6BT77*
D 7503	DIODE 1SS254 or	A1SS254T77**
	DIODE GMB01B	GMB01BT
INTERGRATED CIRCUITS		
IC1001	PHOTO CUPPLAR TLP621	GTLPL621*****
IC1501	IC REGULATOR NJM7812FA	14L0251
IC1502	VOLTAGE REGULATOR IC AN78L05 or	AN78L05
	VOLTAGE REGULATOR IC NJM78L05A	J78L05A
IC2001	IC SERVO BU2845S	GC90000RM013
IC2002	IC (OP-AMP.) BA10324	14LF554
IC3001	IC VIDEO LA7390A	QSZLA0SSY001
IC3002	IC BA7025	GBA702500000
IC3003	IC LC8992	14LQ489
IC4001	IC AUDIO LA7282	QSZLA0SSY003
IC6001	MICROCONTROLLER 8BIT SY/UPD75237	QSMCA0RNE021
IC6002	REEL SENSOR SG-211L	PCZLAZZKK003
IC6003	IC TA7291S	14LW342
IC6004	IC RESET PST529D-2	14DM763Z
IC6005	IC X24C01P	GX24C01P0000
IC6006	VOLTAGE REGULATOR IC AN78L05 or	AN78L05
	VOLTAGE REGULATOR IC NJM78L05A	J78L05A
IC7001	IC LA7210 or	14LQ115
	IC MM1021XS	GMM1021XS***
IC7002	IC LA7910	GLA7910*****
IC7003	IC L5631	L5631
IC7501	IC SWITCHING NJU4053BD	14D0436
COILS		
L 1002	LINE FILTER 47MH ELF-18D235F or	LLBG00ZMS007
	LINE FILTER 50MH UF2327S-503Y0R3-01	LLBG00ZTE004
L 1003	LEAD INDUCTOR 22UH K	LLBD00PTU013
L 1004	LEAD INDUCTOR 10UH K	LLBD00PTU011
L 1005	BEAD CORE HF70BB4.1X3X2	XL03003TE001
L 3001	INDUCTOR 22UH-K-26T or	LLAXKDTKA220
	INDUCTOR 22UH-K-26T	LLAXKATTU220
L 3002	INDUCTOR 47UH-K-26T or	LLAXKDTKA470
	INDUCTOR 47UH-K-26T	LLAXKATTU470
L 3003	INDUCTOR 33UH-K-26T or	LLAXKDTKA330
	INDUCTOR 33UH-K-26T	LLAXKATTU330
L 3004	INDUCTOR 22UH-K-26T or	LLAXKDTKA220
	INDUCTOR 22UH-K-26T	LLAXKATTU220
L 3005	INDUCTOR 100UH-K-26T or	LLAXKDTKA101
	INDUCTOR 100UH-K-26T	LLAXKATTU101
L 3006	INDUCTOR 82UH-K-26T or	LLAXKDTKA820
	INDUCTOR 82UH-K-26T	LLAXKATTU820
L 3007	INDUCTOR 180UH-K-26T or	LLAXKDTKA181
	INDUCTOR 180UH-K-26T	LLAXKATTU181
L 3008	INDUCTOR 330UH-K-26T	LLAXKDTKA331
L 3009	INDUCTOR 330UH-K-26T	LLAXKDTKA331
L 3010	INDUCTOR 330UH-K-26T	LLAXKDTKA331
L 3011	INDUCTOR 56UH-K-26T or	LLAXKDTKA560
	INDUCTOR 56UH-K-26T	LLAXKATTU560

2-3

2-2

Ref.No.	Description	PartNo.
L 3012	INDUCTOR 56UH-K-26T or INDUCTOR 56UH-K-26T	LLAXKDTKA560 LLAXKATTU560
L 3013	INDUCTOR 68UH-K-26T or INDUCTOR 68UH-K-26T	LLAXKDTKA680 LLAXKATTU680
L 3014	INDUCTOR 27UH-K-26T or INDUCTOR 27UH-K-26T	LLAXKDTKA270 LLAXKATTU270
L 3015	INDUCTOR 39UH-K-26T or INDUCTOR 39UH-K-26T	LLAXKDTKA390 LLAXKATTU390
L 3016	INDUCTOR 47UH-K-26T or INDUCTOR 47UH-K-26T	LLAXKDTKA470 LLAXKATTU470
L 3017	INDUCTOR 100UH-K-26T or INDUCTOR 100UH-K-26T	LLAXKDTKA101 LLAXKATTU101
L 3018	INDUCTOR 10UH-K-26T or INDUCTOR 10UH-K-26T	LLAXKDTKA100 LLAXKATTU100
L 3019	INDUCTOR 15UH-K-26T or INDUCTOR 15UH-K-26T	LLAXKDTKA150 LLAXKATTU150
L 3020	LEAD INDUCTOR 22UH K	LLBD00PTU013
L 4001	INDUCTOR 18MH	1170524
TRANSISTORS		
Q 1001	TRANSISTOR 2SC4204	QOSZ02SC4204
Q 1002 ▲	TRANSISTOR 2SC4517 or TRANSISTOR 2SC3866 or TRANSISTOR 2SC3979	QOPZ02SC4517 QOPZ02SC3866 QOPZ02SC3979
Q 1003	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 1004	TRANSISTOR 2SA933(Q) or TRANSISTOR 2SA933(R) or TRANSISTOR 2SA608SP(E) or TRANSISTOR 2SA608SP(F)	A933QZ A933RZ A608SEZ A608SFZ
Q 1005	TRANSISTOR 2SA933(Q) or TRANSISTOR 2SA933(R) or TRANSISTOR 2SA608SP(E) or TRANSISTOR 2SA608SP(F)	A933QZ A933RZ A608SEZ A608SFZ
Q 1006	TRANSISTOR 2SC2209(Q)	QQQQ02SC2209
Q 1501	TRANSISTOR 2SD1581(L) or TRANSISTOR 2SD1581(K)	QQPL02SD1581 QQPK02SD1581
Q 1502	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 1504	RES. BUILT-IN TRANSISTOR DTA143XS	A143XSZ
Q 1506	TRANSISTOR 2SA933(Q) or TRANSISTOR 2SA933(R) or TRANSISTOR 2SA608SP(E) or TRANSISTOR 2SA608SP(F)	A933QZ A933RZ A608SEZ A608SFZ
Q 1507	RES. BUILT-IN TRANSISTOR DTC124ES or RES. BUILT-IN TRANSISTOR 2SC3400	C124ESZ C3400Z
Q 1510	RES. BUILT-IN TRANSISTOR DTA143XS	A143XSZ
Q 1511	RES. BUILT-IN TRANSISTOR DTC124ES or RES. BUILT-IN TRANSISTOR 2SC3400	C124ESZ C3400Z
Q 2002	RES. BUILT-IN TRANSISTOR DTA124ES or RES. BUILT-IN TRANSISTOR 2SA1346	A124ESZ A1346Z
Q 2003	RES. BUILT-IN TRANSISTOR DTA124ES or RES. BUILT-IN TRANSISTOR 2SA1346	A124ESZ A1346Z
Q 2004	RES. BUILT-IN TRANSISTOR DTC124ES or RES. BUILT-IN TRANSISTOR 2SC3400	C124ESZ C3400Z
Q 3001	TRANSISTOR 2SC2058(P) or TRANSISTOR 2SC2058(Q) or	C2058PZ C2058QZ

Ref.No.	Description	PartNo.
Q 3002	TRANSISTOR 2SC2839(E) or TRANSISTOR 2SC2839(F) TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C2839EZ C2839FZ C1740QZ C1740RZ C536SEZ C536SFZ
Q 3003	TRANSISTOR 2SC2058(P) or TRANSISTOR 2SC2058(Q) or TRANSISTOR 2SC2839(E) or TRANSISTOR 2SC2839(F)	C2058PZ C2058QZ C2839EZ C2839FZ
Q 3004	RES. BUILT-IN TRANSISTOR DTA144WS	A144WSZ
Q 3005	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 3006	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 3007	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 3008	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 3009	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 3010	TRANSISTOR 2SA933(Q) or TRANSISTOR 2SA933(R) or TRANSISTOR 2SA608SP(E) or TRANSISTOR 2SA608SP(F)	A933QZ A933RZ A608SEZ A608SFZ
Q 3012	RES. BUILT-IN TRANSISTOR DTC124ES or RES. BUILT-IN TRANSISTOR 2SC3400	C124ESZ C3400Z
Q 3013	TRANSISTOR 2SA933(Q) or TRANSISTOR 2SA933(R) or TRANSISTOR 2SA608SP(E) or TRANSISTOR 2SA608SP(F)	A933QZ A933RZ A608SEZ A608SFZ
Q 3014	TRANSISTOR 2SA933(Q) or TRANSISTOR 2SA933(R) or TRANSISTOR 2SA608SP(E) or TRANSISTOR 2SA608SP(F)	A933QZ A933RZ A608SEZ A608SFZ
Q 3015	RES. BUILT-IN TRANSISTOR DTA144WS	A144WSZ
Q 3016	RES. BUILT-IN TRANSISTOR DTC124ES or RES. BUILT-IN TRANSISTOR 2SC3400	C124ESZ C3400Z
Q 3017	TRANSISTOR 2SA933(Q) or TRANSISTOR 2SA933(R) or TRANSISTOR 2SA608SP(E) or TRANSISTOR 2SA608SP(F)	A933QZ A933RZ A608SEZ A608SFZ
Q 3018	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 3019	TRANSISTOR 2SC2058(P) or TRANSISTOR 2SC2058(Q) or TRANSISTOR 2SC2839(E) or TRANSISTOR 2SC2839(F)	C2058PZ C2058QZ C2839EZ C2839FZ

Ref.No.	Description	PartNo.
Q 3020	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 3021	TRANSISTOR 2SC2058(P) or TRANSISTOR 2SC2058(Q) or TRANSISTOR 2SC2839(E) or TRANSISTOR 2SC2839(F)	C2058PZ C2058QZ C2839EZ C2839FZ
Q 4001	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 6001	PHOTO TRANSISTOR RPT-38PB3F	QRPT38PB0000
Q 6002	PHOTO TRANSISTOR RPT-38PB3F	QRPT38PB0000
Q 6003	TRANSISTOR 2SD400(F)	D400FZ
Q 6004	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 6005	RES. BUILT-IN TRANSISTOR DTA124ES or RES. BUILT-IN TRANSISTOR 2SA1346	A124ESZ A1346Z
Q 6006	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 7001	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 7002	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 7003	FET 2SK128(P) or FET 2SK128(Q) or FET 2SK304(C) or FET 2SK304(D)	K128PZ K128QZ K304CZ K304DZ
Q 7004	RES. BUILT-IN TRANSISTOR DTA124ES or RES. BUILT-IN TRANSISTOR 2SA1346	A124ESZ A1346Z
Q 7005	TRANSISTOR 2SD1468(R) or TRANSISTOR 2SD1468(S) or TRANSISTOR 2SD1012(F) or TRANSISTOR 2SD1012(G)	D1468RZ D1468SZ D1012FZ D1012GZ
Q 7006	RES. BUILT-IN TRANSISTOR DTC124ES or RES. BUILT-IN TRANSISTOR 2SC3400	C124ESZ C3400Z
Q 7007	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 7008	TRANSISTOR 2SC1740(Q) or TRANSISTOR 2SC1740(R) or TRANSISTOR 2SC536SP(E) or TRANSISTOR 2SC536SP(F)	C1740QZ C1740RZ C536SEZ C536SFZ
Q 7010	RES. BUILT-IN TRANSISTOR DTC124ES or RES. BUILT-IN TRANSISTOR 2SC3400	C124ESZ C3400Z
RESISTORS		
R 1002 ▲	WIREWOUND RES. 3W 4.7Ω	RW034R7KA011
R 1009	METAL RES. 1W J 82KΩ	RN01823KA006
R 1010	CHIP RES. 1/10W J 2470Ω	RRXAJBBZ0471
R 1011	CHIP RES. 1/10W J 3.9KΩ	RRXAJBBZ0392
R 1012	CHIP RES. 1/4W J 2.7KΩ	RCX4JATZ0272
R 1013	METAL RES. 1W J 82Ω	1330412
R 1014	METAL RES. 1W J 0.82Ω	1330388

Ref.No.	Description	PartNo.
R 1015	CHIP RES. 1/10W J 3.3KΩ	RRXAJBBZ0332
R 1016	CHIP RES. 1/10W J 220Ω	RRXAJBBZ0221
R 1017	CHIP RES. 1/10W J 470Ω	RRXAJBBZ0471
R 1018	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 1019	CHIP RES. 1/10W J 18KΩ	RRXAJBBZ0183
R 1020	CHIP RES. 1/10W J 3.9KΩ	RRXAJBBZ0392
R 1021	CHIP RES. 1/10W J 6.8KΩ	RRXAJBBZ0682
R 1022	CHIP RES. 1/10W J 220Ω	RRXAJBBZ0221
R 1023	FUSE RES. 1/2W J 10Ω or FUSE RES. 1/2W J 10Ω	5362100 RFX2100KA007
R 1024	FUSE RES. 1/2W J 10Ω or FUSE RES. 1/2W J 10Ω or CARBON RES. 1/5W J 1.5KΩ or CARBON RES. 1/6W J 1.5KΩ or CARBON RES. 1/4W J 1.5KΩ	5362100 RFX2100KA007 1324152T 132A152T RCX4JATZ0152
R 1025	METAL RES. 1W J 180KΩ	RN01184KA006
R 1026	METAL RES. 1W J 180KΩ	RN01184KA006
R 1027	CARBON RES. 1/2W J 390Ω	RCX2391KA003
R 1028	CARBON RES. 1/2W J 470Ω	RCX2471KA003
R 1029	CHIP RES. 1/10W J 3.3KΩ	RRXAJBBZ0332
R 1501	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 1502	CARBON RES. 1/5W J 15KΩ or CARBON RES. 1/6W J 15KΩ or CARBON RES. 1/4W J 15KΩ	1324153T 132A153T RCX4JATZ0153
R 1505	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 1506	CHIP RES. 1/10W J 4.7KΩ	RRXAJBBZ0472
R 1508	CHIP RES. 1/10W J 470Ω	RRXAJBBZ0471
R 1509	CHIP RES. 1/10W J 560Ω	RRXAJBBZ0561
R 1510	CHIP RES. 1/10W J 4.7KΩ	RRXAJBBZ0472
R 1511	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102
R 1513	CHIP RES. 1/10W J 4.7KΩ	RRXAJBBZ0472
R 1515	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 2001	CHIP RES. 1/10W J 110KΩ	RRXAJBBZ0114
R 2002	CHIP RES. 1/10W J 150Ω	RRXAJBBZ0151
R 2004	CHIP RES. 1/10W J 56KΩ	RRXAJBBZ0563
R 2005	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 2006	CHIP RES. 1/10W J 180KΩ	RRXAJBBZ0184
R 2007	CHIP RES. 1/10W J 150KΩ	RRXAJBBZ0154
R 2008	CHIP RES. 1/10W J 2.7KΩ	RRXAJBBZ0272
R 2009	CHIP RES. 1/10W J 56KΩ	RRXAJBBZ0563
R 2010	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 2011	CHIP RES. 1/10W J 56KΩ	RRXAJBBZ0563
R 2012	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 2014	CHIP RES. 1/10W J 150KΩ	RRXAJBBZ0154
R 2015	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 2016	CHIP RES. 1/10W J 56KΩ	RRXAJBBZ0563
R 2017	CHIP RES. 1/10W J 56KΩ	RRXAJBBZ0563
R 2018	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 2019	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 2020	CHIP RES. 1/10W J 39KΩ	RRXAJBBZ0393
R 2021	CHIP RES. 1/10W J 4.7KΩ	RRXAJBBZ0472
R 2022	CHIP RES. 1/10W J 56KΩ	RRXAJBBZ0563
R 2023	CHIP RES. 1/10W J 0Ω	RRXAJBBZ0000
R 2024	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 2025	CHIP RES. 1/10W J 150KΩ	RRXAJBBZ0154
R 2026	CHIP RES. 1/10W J 0Ω	RRXAJBBZ0000
R 2027	CHIP RES. 1/10W J 100Ω	RRXAJBBZ0101
R 2028	CHIP RES. 1/10W J 100Ω	RRXAJBBZ0101
R 2029	CHIP RES. 1/10W J 2.7KΩ	RRXAJBBZ0272
R 2030	CHIP RES. 1/10W J 2.2KΩ	RRXAJBBZ0222

Ref.No.	Description	PartNo.
R 2031	CHIP RES. 1/10W J 390KΩ	RRXAJBBZ0394
R 2033	CHIP RES. 1/10W J 4.7KΩ	RRXAJBBZ0472
R 2034	CHIP RES. 1/10W J 150KΩ	RRXAJBBZ0154
R 2035	CHIP RES. 1/10W J 2.2KΩ	RRXAJBBZ0222
R 2036	CHIP RES. 1/10W J 56KΩ	RRXAJBBZ0563
R 3001	CHIP RES. 1/10W J 1.5KΩ	RRXAJBBZ0152
R 3002	CHIP RES. 1/10W J 390Ω	RRXAJBBZ0391
R 3003	CHIP RES. 1/10W J 1.8KΩ	RRXAJBBZ0182
R 3004	CHIP RES. 1/10W J 390Ω	RRXAJBBZ0391
R 3005	CHIP RES. 1/10W J 680Ω	RRXAJBBZ0681
R 3006	CHIP RES. 1/10W J 390Ω	RRXAJBBZ0391
R 3007	CHIP RES. 1/10W J 2.2KΩ	RRXAJBBZ0222
R 3008	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102
R 3009	CHIP RES. 1/10W J 3.9KΩ	RRXAJBBZ0392
R 3010	CHIP RES. 1/10W J 2.2KΩ	RRXAJBBZ0222
R 3011	CHIP RES. 1/10W J 8.2KΩ	RRXAJBBZ0822
R 3012	CHIP RES. 1/10W J 5.6KΩ	RRXAJBBZ0562
R 3013	CHIP RES. 1/10W J 27KΩ	RRXAJBBZ0273
R 3015	CHIP RES. 1/10W J 2.2KΩ	RRXAJBBZ0222
R 3016	CHIP RES. 1/10W J 180Ω	RRXAJBBZ0181
R 3017	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102
R 3018	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 3019	CHIP RES. 1/10W J 390Ω	RRXAJBBZ0391
R 3020	CHIP RES. 1/10W J 2.7KΩ	RRXAJBBZ0272
R 3022	CHIP RES. 1/10W J 470Ω	RRXAJBBZ0471
R 3023	CHIP RES. 1/10W J 820Ω	RRXAJBBZ0821
R 3024	CHIP RES. 1/10W J 820Ω	RRXAJBBZ0821
R 3025	CHIP RES. 1/10W J 3.9KΩ	RRXAJBBZ0392
R 3026	CHIP RES. 1/10W J 1.5KΩ	RRXAJBBZ0152
R 3027	CHIP RES. 1/10W J 8.2KΩ	RRXAJBBZ0822
R 3028	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102
R 3029	CHIP RES. 1/10W J 1.5KΩ	RRXAJBBZ0152
R 3030	CHIP RES. 1/10W J 6.8KΩ	RRXAJBBZ0682
R 3031	CHIP RES. 1/10W J 2.7KΩ	RRXAJBBZ0272
R 3033	CHIP RES. 1/10W J 1.2KΩ	RRXAJBBZ0122
R 3036	METAL RES. 1W J 330Ω	1330419
R 3037	CHIP RES. 1/10W J 1.8KΩ	RRXAJBBZ0182
R 3038	CHIP RES. 1/10W J 12KΩ	RRXAJBBZ0123
R 3039	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 3040	CHIP RES. 1/10W J 4.7KΩ	RRXAJBBZ0472
R 3041	CHIP RES. 1/10W J 2.7KΩ	RRXAJBBZ0272
R 3042	CHIP RES. 1/10W J 1.8KΩ	RRXAJBBZ0182
R 3043	CHIP RES. 1/10W J 2.7KΩ	RRXAJBBZ0272
R 3044	CHIP RES. 1/10W J 470Ω	RRXAJBBZ0471
R 3045	CHIP RES. 1/10W J 470Ω	RRXAJBBZ0471
R 3046	CHIP RES. 1/10W J 2.7KΩ	RRXAJBBZ0272
R 3047	CHIP RES. 1/10W J 560Ω	RRXAJBBZ0561
R 3048	CHIP RES. 1/10W J 2.2KΩ	RRXAJBBZ0222
R 3049	CHIP RES. 1/10W J 390Ω	RRXAJBBZ0391
R 3050	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102
R 3051	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102
R 3053	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 3054	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 3055	CHIP RES. 1/10W J 1MΩ	RRXAJBBZ0105
R 3056	CHIP RES. 1/10W J 8.2KΩ	RRXAJBBZ0822
R 3057	CHIP RES. 1/10W J 4.7KΩ	RRXAJBBZ0472
R 3058	CHIP RES. 1/10W J 8.2KΩ	RRXAJBBZ0822
R 3059	CHIP RES. 1/10W J 2.2KΩ	RRXAJBBZ0222
R 3060	CHIP RES. 1/10W J 18KΩ	RRXAJBBZ0183
R 3061	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102

Ref.No.	Description	PartNo.
R 3062	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 3063	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 3064	CHIP RES. 1/10W J 2.2KΩ	RRXAJBBZ0222
R 3065	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 3066	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 3067	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 3068	CHIP RES. 1/10W J 1.5KΩ	RRXAJBBZ0152
R 3069	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102
R 3070	CHIP RES. 1/10W J 68Ω	RRXAJBBZ0680
R 3071	CHIP RES. 1/10W J 820Ω	RRXAJBBZ0821
R 3072	CHIP RES. 1/10W J 150KΩ	RRXAJBBZ0154
R 3073	CHIP RES. 1/10W J 1.2KΩ	RRXAJBBZ0122
R 3074	CHIP RES. 1/10W J 270Ω	RRXAJBBZ0271
R 3075	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 3076	CHIP RES. 1/10W J 820Ω	RRXAJBBZ0821
R 3077	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 3078	CHIP RES. 1/10W J 3.9KΩ	RRXAJBBZ0392
R 3079	CHIP RES. 1/10W J 0Ω	RRXAJBBZ0000
R 3080	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 3081	CHIP RES. 1/10W J 8.2KΩ	RRXAJBBZ0822
R 3082	CHIP RES. 1/10W J 2.7KΩ	RRXAJBBZ0272
R 3083	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102
R 3084	CHIP RES. 1/10W J 2.7KΩ	RRXAJBBZ0272
R 3085	CHIP RES. 1/10W J 820Ω	RRXAJBBZ0821
R 3086	CARBON RES. 1/4W J 1KΩ	RCX4JATZ0102
R 3088	CARBON RES. 1/6W J 2.2KΩ	132A222
R 4001	CHIP RES. 1/10W J 100Ω	RRXAJBBZ0101
R 4002	CHIP RES. 1/10W J 33KΩ	RRXAJBBZ0333
R 4003	CHIP RES. 1/10W J 180Ω	RRXAJBBZ0181
R 4004	CHIP RES. 1/10W J 120Ω	RRXAJBBZ0121
R 4005	CHIP RES. 1/10W J 330KΩ	RRXAJBBZ0334
R 4006	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 4009	CHIP RES. 1/10W J 2.2MΩ	RRXAJBBZ0225
R 4010	CHIP RES. 1/10W J 27KΩ	RRXAJBBZ0273
R 4011	CHIP RES. 1/10W J 5.6KΩ	RRXAJBBZ0562
R 4012	CHIP RES. 1/10W J 2.7KΩ	RRXAJBBZ0272
R 4014	CHIP RES. 1/10W J 1.2KΩ	RRXAJBBZ0122
R 4015	CHIP RES. 1/10W J 1.5KΩ	RRXAJBBZ0152
R 4016	CHIP RES. 1/10W J 560Ω	RRXAJBBZ0561
R 4017	CHIP RES. 1/10W J 560Ω	RRXAJBBZ0561
R 4018	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 4019	CHIP RES. 1/10W J 47Ω	RRXAJBBZ0470
R 4020	CHIP RES. 1/10W J 6.8KΩ	RRXAJBBZ0682
R 4021	CHIP RES. 1/10W J 4.7Ω	RRXAJBBZ0477
R 4022	CARBON RES. 1/5W J 22Ω or CARBON RES. 1/6W J 22Ω or CARBON RES. 1/4W J 22Ω	1324220T 132A220T RCX4JATZ0220
R 4023	CHIP RES. 1/10W J 470Ω	RRXAJBBZ0471
R 4024	CHIP RES. 1/10W J 0Ω	RRXAJBBZ0000
R 4025	CHIP RES. 1/10W J 3.9KΩ	RRXAJBBZ0392
R 5102	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 5103	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 6001	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6002	CHIP RES. 1/10W J 470KΩ	RRXAJBBZ0474
R 6003	CHIP RES. 1/10W J 470KΩ	RRXAJBBZ0474
R 6004	CARBON RES. 1/5W J 180Ω or CARBON RES. 1/6W J 180Ω or CARBON RES. 1/4W J 180Ω	1324181T 132A181T RCX4JATZ0181
R 6005	CARBON RES. 1/5W J 4.7Ω or CARBON RES. 1/6W J 4.7Ω or	1324479T 132A479T

Ref.No.	Description	PartNo.
R 6006	CARBON RES. 1/4W J 4.7Ω	RCX4JATZ0477
	CARBON RES. 1/5W J 10Ω or	1324100T
	CARBON RES. 1/6W J 10Ω or	132A100T
	CARBON RES. 1/4W J 10Ω	RCX4JATZ0100
R 6008	METAL RES. 1W J 2.7Ω	1330394
R 6011	CHIP RES. 1/10W J 470KΩ	RRXAJBBZ0474
R 6012	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6013	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6014	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6015	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6018	CHIP RES. 1/10W J 4.7KΩ	RRXAJBBZ0472
R 6019	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 6020	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6021	CHIP RES. 1/10W J 4.7KΩ	RRXAJBBZ0472
R 6022	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6023	CHIP RES. 1/10W J 1.2KΩ	RRXAJBBZ0122
R 6024	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6025	CHIP RES. 1/10W J 82KΩ	RRXAJBBZ0823
R 6027	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 6028	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 6029	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 6030	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102
R 6032	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6033	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6034	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6035	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 6036	CHIP RES. 1/10W J 4.7KΩ	RRXAJBBZ0472
R 6037	CARBON RES. 1/5W J 2.2KΩ or CARBON RES. 1/6W J 2.2KΩ or CARBON RES. 1/4W J 2.2KΩ	1324222T 132A222T RCX4JATZ0222
R 6038	CHIP RES. 1/10W J 15KΩ	RRXAJBBZ0153
R 6039	CHIP RES. 1/10W J 15KΩ	RRXAJBBZ0153
R 6040	CHIP RES. 1/10W J 15KΩ	RRXAJBBZ0153
R 6041	CHIP RES. 1/10W J 39KΩ	RRXAJBBZ0393
R 6042	CHIP RES. 1/10W J 15KΩ	RRXAJBBZ0153
R 6043	CHIP RES. 1/10W J 15KΩ	RRXAJBBZ0153
R 6044	CARBON RES. 1/6W J 1.5KΩ	132A152
R 6046	CARBON RES. 1/6W J 3.9KΩ	132A392
R 6047	CARBON RES. 1/6W J 12KΩ	132A123T
R 7001	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 7004	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 7005	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 7006	CHIP RES. 1/10W J 6.8KΩ	RRXAJBBZ0682
R 7007	CHIP RES. 1/10W J 5.6KΩ	RRXAJBBZ0562
R 7008	CHIP RES. 1/10W J 15KΩ	RRXAJBBZ0153
R 7009	CHIP RES. 1/10W J 1.2KΩ	RRXAJBBZ0122
R 7010	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102
R 7011	CHIP RES. 1/10W J 820Ω	RRXAJBBZ0821
R 7012	CHIP RES. 1/10W J 330KΩ	RRXAJBBZ0334
R 7013	CHIP RES. 1/10W J 18KΩ	RRXAJBBZ0183
R 7014	CHIP RES. 1/10W J 100KΩ	RRXAJBBZ0104
R 7015	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 7016	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 7017	CHIP RES. 1/10W J 6.2KΩ	RRXAJBBZ0622
R 7018	CHIP RES. 1/10W J 56KΩ	RRXAJBBZ0563
R 7019	CHIP RES. 1/10W J 1MΩ	RRXAJBBZ0105
R 7020	CHIP RES. 1/10W J 3.9KΩ	RRXAJBBZ0392
R 7021	CHIP RES. 1/10W J 3.3KΩ	RRXAJBBZ0332
R 7023	CHIP RES. 1/10W J 3.3KΩ	RRXAJBBZ0332
R 7024	CHIP RES. 1/10W J 15KΩ	RRXAJBBZ0153

Ref.No.	Description	PartNo.
R 7025	CHIP RES. 1/10W J 56KΩ	RRXAJBBZ0563
R 7026	CHIP RES. 1/10W J 27KΩ	RRXAJBBZ0273
R 7027	CHIP RES. 1/10W J 27KΩ	RRXAJBBZ0273
R 7028	CHIP RES. 1/10W J 27KΩ	RRXAJBBZ0273
R 7029	CHIP RES. 1/10W J 47KΩ	RRXAJBBZ0473
R 7030	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 7031	CARBON RES. 1/5W J 2.2KΩ or CARBON RES. 1/6W J 2.2KΩ or CARBON RES. 1/4W J 2.2KΩ	1324222T 132A222T RCX4JATZ0222
R 7032	CARBON RES. 1/5W J 2.2KΩ or CARBON RES. 1/6W J 2.2KΩ or CARBON RES. 1/4W J 2.2KΩ	1324222T 132A222T RCX4JATZ0222
R 7033	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 7034	CHIP RES. 1/10W J 100KΩ	RRXAJBBZ0104
R 7038	CARBON RES. 1/5W J 2.2KΩ or CARBON RES. 1/6W J 2.2KΩ or CARBON RES. 1/4W J 2.2KΩ	1324222T 132A222T RCX4JATZ0222
R 7040	CHIP RES. 1/10W J 0Ω	RRXAJBBZ0000
R 7041	CHIP RES. 1/10W J 0Ω	RRXAJBBZ0000
R 7501	CHIP RES. 1/10W J 150Ω	RRXAJBBZ0151
R 7502	CHIP RES. 1/10W J 150Ω	RRXAJBBZ0151
R 7503	CHIP RES. 1/10W J 75Ω	RRXAJBBZ0750
R 7508	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 7509	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 7510	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 7511	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 7512	CHIP RES. 1/10W J 330Ω	RRXAJBBZ0331
R 7513	CHIP RES. 1/10W J 10KΩ	RRXAJBBZ0103
R 7514	CHIP RES. 1/10W J 75Ω	RRXAJBBZ0750
R 7537	CARBON RES. 1/5W J 1.5KΩ or CARBON RES. 1/6W J 1.5KΩ or CARBON RES. 1/4W J 1.5KΩ	1324152T 132A152T RCX4JATZ0152
SWITCHES		
SW5501	PUSH SWITCH EVQ-21509K or PUSH SWITCH SOR-142HS R66-4519 or PUSH SWITCH SKHVBH	SST0101MS011 SST0101MM011 SST0101AL011
SW5502	PUSH SWITCH EVQ-21509K or PUSH SWITCH SOR-142HS R66-4519 or PUSH SWITCH SKHVBH	SST0101MS011 SST0101MM011 SST0101AL011
SW5503	PUSH SWITCH EVQ-21509K or PUSH SWITCH SOR-142HS R66-4519 or PUSH SWITCH SKHVBH	SST0101MS011 SST0101MM011 SST0101AL011
SW5504	PUSH SWITCH EVQ-21509K or PUSH SWITCH SOR-142HS R66-4519 or PUSH SWITCH SKHVBH	SST0101MS011 SST0101MM011 SST0101AL011
SW5505	PUSH SWITCH EVQ-21509K or PUSH SWITCH SOR-142HS R66-4519 or PUSH SWITCH SKHVBH	SST0101MS011 SST0101MM011 SST0101AL011
SW5506	PUSH SWITCH EVQ-21509K or PUSH SWITCH SOR-142HS R66-4519 or PUSH SWITCH SKHVBH	SST0101MS011 SST0101MM011 SST0101AL011
SW5507	PUSH SWITCH EVQ-21509K or PUSH SWITCH SOR-142HS R66-4519 or PUSH SWITCH SKHVBH	SST0101MS011 SST0101MM011 SST0101AL011
SW5511	PUSH SWITCH EVQ-21509K or PUSH SWITCH SOR-142HS R66-4519 or PUSH SWITCH SKHVBH	SST0101MS011 SST0101MM011 SST0101AL011
SW5516	PUSH SWITCH EVQ-21509K or PUSH SWITCH SOR-142HS R66-4519 or PUSH SWITCH SKHVBH	SST0101MS011 SST0101MM011 SST0101AL011
SW5519	PUSH SWITCH EVQ-21509K or	SST0101MS011

Ref.No.	Description	PartNo.
SW6001 SW6002	PUSH SWITCH SOR-142HS R66-4519 or PUSH SWITCH SKHVBH	SST0101MM011 SST0101AL011
	SWITCH	SSP0102AL001
	PUSH SWITCH SW-112-3	SSP0101KB001
TRANSFORMERS		
T 1001 ▲	PULSE TRANS TS7927V-A	LTT002PMS001
T 3001	COIL 5MH	113D747
T 4001	COIL OSC AUDIO or COIL OSC AUDIO or COIL OSC AUDIO	1130686 113M686 113D686
VOLUMES		
VR2001	CARBON P.O.T. 100KΩ or CARBON P.O.T. 100KΩ	238A402Y 238A427Y
VR3001	CARBON P.O.T. 4.7KΩ or CARBON P.O.T. 5KΩ	238A394Y 238A422Y
VR3002	CARBON P.O.T. 2.2KΩ or CARBON P.O.T. 2KΩ	238A392Y 238A420Y
VR3003	CARBON P.O.T. 4.7KΩ or CARBON P.O.T. 5KΩ	238A394Y 238A422Y
VR3004	CARBON P.O.T. 4.7KΩ or CARBON P.O.T. 5KΩ	238A394Y 238A422Y
VR4001	CARBON P.O.T. 100KΩ or CARBON P.O.T. 100KΩ	238A402Y 238A427Y
CRYSTAL OSCILLATORS		
X 3001	X'TAL 4.433619MHZ or X'TAL 4.433619MHZ	1811366 1811388
X 6001	X'TAL 32KHZ (10PPM) or X'TAL 32KHZ (10PPM)	1811350 1811351
X 6002	CERALOCK 4.19MHZ or CERAMIC RESONATOR EFO-GC4194A4	1812885 1813140
X 7001	CERAMIC RESONATOR 500KHZ	1810414
MISCELLANEOUS		
2B 6	HOLDER REEL SENSOR	0VM200965
2B 8	BUSH LED	6N50114
2B 11	SPACER	0VM400719
2L 71	SCREW S-TIGHT BIND HEAD M3X5	GBMS3050
A 17	JACK BOARD	0VM201119
CF3001	CERAMIC FILTER 4.16MHZ	1812281
DL3001	COMB FILTER 4.433619MHZ	1813522
F 1001 ▲	FUSE T1.60A/250V FUSE T1.60A/250V	1790483 1790994
F 1002 ▲	IC PROTECTOR UN10015 IC PROTECTOR ICP-N38	PBBZZZZMS002 PBBZZZZRM001
FH1001	FUSE HOLDER PFC5000-0202	XH01Z00SR001
FH1002	FUSE HOLDER PFC5000-0202	XH01Z00SR001
JK7501	SKIRT JACK 21P CSS5021-1701R	JGZL210SR001
TU7001	TUNER/IF/CONVERTOR UNIT TNS-442	UTUNPSDNE001
▲	AC CORD EP-631-E01 WIRE ASS'Y CONNECTOR ASS'Y 4P WIRE 050/GREY/AWG26#1007 WIRE 120/RED/AWG26#1007 WIRE 140/GREY/AWG26#1007 LEAD CLAMPER P.C.B.	WAE0202NW008 WX1K8000-001 WX1K8032-001 WX3801A6FF05 0VE400367 0VE400453 1790356 BK8020F01A01

MCV-B (Jack) CBA

Ref.No.	Description	PartNo.
	MCV-B (Jack) CBA CONSISTS OF THE FOLLOWING:	NOT AVAILABLE
CN7501	STRAIGHT PIN HEADER 4P	1740766
JK7504	RCA JACK(WHITE) JPJ2018-01-030	1780176
JK7505	RCA JACK(WHITE) JPJ2018-01-030	1780176

MCV-C (Service Connector) CBA

Ref. No.	Description	Part No.
	MCV-C (Service Connector) CBA CONSISTS OF THE FOLLOWING:	NOT AVAILABLE
CN6005	CONNECTOR BASE 4P	J3BFE04NB001

TMV (Display / Control) CBA

Ref.No.	Description	PartNo.
	TMV (Display / Control) CBA CONSISTS OF THE FOLLOWING:	0VSA05024
CAPACITOR		
C 5501	ELECTROLYTIC CAP. 47μF/6.3V M	126A476
CONNECTORS		
CN5501	HINGED SOCKET CONNECTOR 8P	JCTRG08TG002
CN5502	HINGED SOCKET CONNECTOR 18P	JCTRG18TG002
COIL		
L 5501	INDUCTOR 220UH-K or INDUCTOR 220UH-K	LLAXKD*K A221 LLAXKA* TU221
RESISTORS		
R 5501	CARBON RES. 1/5W J 10KΩ or CARBON RES. 1/6W J 10KΩ or CARBON RES. 1/4W J 10KΩ	1324103 132A103 RCX4JZPZ0103
R 5502	CARBON RES. 1/4W J 6.8Ω	RCX4JZPZ06R8
MISCELLANEOUS		
2B 4	HOLDER F.I.P.(L)	0VM200971
2B 5	HOLDER F.I.P.(R)	0VM200972
2B 9	FILM CONDUCTOR	6E52011
FP5501	F.I.P. 10-BT-103GBK or F.I.P. FIP10BQM6A	TVFD1C0FT019 TVFD1C0NE019
RS5501	REMOTE CONTROL UNIT or REMOTE SENSOR UNIT P.C.B.	USESJRSKK008 1812501 BK8030F01001

PRV (Head Amp) CBA

Ref.No.	Description	PartNo.
	PRV (Head Amp) CBA CONSISTS OF THE FOLLOWING:	0VSA05317
CAPACITORS		
C 3501	CHIP CERAMIC CAP. F Z 0.1μF/16V	CHE1CZB0F104
C 3502	ELECTROLYTIC CAP. 47μF/6.3V M H7	526R476S
C 3503	ELECTROLYTIC CAP. 0.22μF/50V M H7	526W224S
C 3504	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 3505	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 3506	CHIP CERAMIC CAP. B K 0.01μF/25V	CHE1EKB0B103
C 3507	CHIP CERAMIC CAP. F Z 0.1μF/16V	CHE1CZB0F104
C 3509	CHIP CERAMIC CAP. F Z 0.1μF/16V	CHE1CZB0F104
C 3513	CHIP CERAMIC CAP. SL J 15pF/50V	CHE1JJBLS150
CONNECTORS		
CN3501	ANGLE SOCKET CONNECTOR 15P	1770610

Ref.No.	Description	PartNo.
CN3502	FFC CONNECTOR BASE SIDE 5P or FFC CONNECTOR BASE SIDE 5P	JC96J05ERC0C 1700471
CN3503	CONNECTOR ASS'Y 2P	WX1K7010-007
CN3504	FFC CONNECTOR BASE SIDE 6P or FFC CONNECTOR BASE SIDE 6P	JC96J06ERC0C 1700472
INTERGRATED CIRCUIT		
IC3501	IC LA7376	GLA737600000
COIL		
L 3501	INDUCTOR 22UH-K-26T or INDUCTOR 22UH-K-26T	LLAXKDTKA220 LLAXKATTU220
RESISTORS		
R 3501	CHIP RES. 1/10W J 22KΩ	RRXAJBBZ0223
R 3502	CHIP RES. 1/10W J 8.2KΩ	RRXAJBBZ0822
R 3503	CHIP RES. 1/10W J 1KΩ	RRXAJBBZ0102
R 3504	CHIP RES. 1/10W J 5.6KΩ	RRXAJBBZ0562
R 3505	CHIP RES. 1/10W J 33KΩ	RRXAJBBZ0333
MISCELLANEOUS		
2B 2	SHIELD TOP	0VM301187
2B 3	SHIELD BOTTOM FFC CABLE 6P FFC/P1.25/40 or FFC CABLE 6P FFC/P1.25/40 P.C.B.	0VM301186 WX3906QZ6605 WX3906QZ5505 BK7010F01004

SUB CBA

Ref.No.	Description	PartNo.
	SUB CBA CONSISTS OF THE FOLLOWING:	0VSA05483
CAPACITORS		
C 6501	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 6502	ELECTROLYTIC CAP. 4.7μF/25V M H7	526U475S
C 6504	ELECTROLYTIC CAP. 0.47μF/50V M H7	526W474S
CONNECTOR		
CN6501	ANGLE PIN HEADER 4P	1770249
DIODES		
D 6501	DIODE GMB01B	GMB01BT
D 6502	DIODE GMB01B	GMB01BT
D 6503	DIODE GMB01B	GMB01BT
INTERGRATED CIRCUIT		
IC 6501	IC UPD4528B or IC UPD4528B	QSMDOA0SNE014 QSMDOA0ZNE014
RESISTORS		
R 6501	CARBON RES. 1/6W J 470KΩ or CARBON RES. 1/4W J 470KΩ	132A474T RCX4JATZ0474
R 6502	CARBON RES. 1/6W J 22KΩ or CARBON RES. 1/4W J 22KΩ	132A223T RCX4JATZ0223
R 6503	CARBON RES. 1/6W J 470KΩ or CARBON RES. 1/4W J 470KΩ	132A474T RCX4JATZ0474
MISCELLANEOUS		
▲	P.C.B.	BK8990F01003

DECK MECHANICAL PARTS LIST

Ref. No.	Description	Part No.
B 1	CHASSIS ASSEMBLY	OVSA04780
B 2	CYLINDER DRUM ASSEMBLY	OVM301586
B 3	LDG MOTOR PREPARATION	OVSA04781
B 4	MOTOR HOLDER CALKING ASSEMBLY	OVM403364
B 5	CASSETTE DRIVE LEVER ASSEMBLY	OVM403507
B 6	PINCH ROLLER ARM ASSEMBLY	OVM402563
B 7	PINCH ARM ASSEMBLY	OVM402387
B 8	PULLEY ASSEMBLY	OVSA04757
B 9	MOVING GUIDE S ASSEMBLY	OVSA04237
B 10	MOVING GUIDE T ASSEMBLY	OVSA04240
B 11	LOADING ARM A ASSEMBLY	OVSA04214
B 12	LOADING ARM B ASSEMBLY	OVSA04215
B 13	LOADING ARM M ASSEMBLY	OVM402559
B 14	PINCH ROLLER SPRING	OVM402565F
B 15	LUMIRROR WASHER 3.1X6X0.35	OVM403269
B 16	CAM	OVM200960
B 17	P.S.W 1.7X3.2X0.5T	OVM403678
B 18	FRICTION SP(B)	OVM404511
B 19	FRICTION GEAR	OVM404459
B 20	KICK ARM	OVM402662G
B 21	LDG BELT	OVM403432
B 22	P.S.W(CUT)	OVM404679
B 26	CLUTCH BLOCK ASSEMBLY	OVSA05171
B 27	BAND BRAKE ASSEMBLY	OVSA04658
B 28	MAIN BRAKE S ASSEMBLY	OVSA04212
B 29	MAIN BRAKE T ASSEMBLY	OVSA04213
B 30	T BRAKE ARM ASSEMBLY	OVSA04641
B 31	AC HEAD ASSEMBLY	OVSA04756
B 32	REEL BASE ASSEMBLY	OVSA04759
B 34	MAIN LEVER ASSEMBLY	OVM402558
B 35	TAPE GUIDE ASSEMBLY	OVM402560
B 36	TENSION LEVER SP ASSEMBLY	OVSA04550
B 37	CAPSTAN MOTOR F2QKB92	MMDDB5ZSJ002
B 38	MODE CHANGE LEVER	OVM201139
B 39	M BRAKE(S) SPRING	OVM402579
B 40	M BRAKE(S) LEVER	OVM300753
B 41	S BRAKE ARM	OVM300754
B 42	M BRAKE T ARM SPRING	OVM402582
B 43	T BRAKE SPRING	OVM402580
B 44	HEAD ADJUST SPRING	OVM402567A
B 45	M LEVER SPRING	OVM402570
B 46	TAPE GUIDE ARM SPRING	OVM402581
B 47	TAPE GUIDE ARM ADJUST SCREW	OVM403242
B 48	ADJUST NUT U5 R/P	OVM403698
B 49	BT DRIVE ARM	OVM300756
B 51	CHANGE ARM	OVM402441F
B 52	BELT FWD	OVM402397
B 53	P.S.W B	OVM402625
B 53	P.S.W 3.1X6X0.3T	OVM403737
B 53	P.S.W 3.1X6X0.4T	OVM403738
B 55	C.SLIDER L ASSEMBLY	OVSA04487
B 56	C.SLIDER R ASSEMBLY	OVSA04488
B 57	CASSETTE GUIDE R ASSEMBLY	OVSA04778
B 58	C.D. GEAR L ASSEMBLY	OVSA04494
B 59	C.D. GEAR R ASSEMBLY	OVSA04495
B 60	CASSETTE PLATE	OVM300779E

Ref. No.	Description	Part No.
B 61	FRONT GUIDE	OVM300776
B 62	GEAR CONNECT SHAFT	OVM402506
B 63	CASSETTE GUIDE L	OVM200689M
B 64	INTERLOCKING GEAR R	OVM300786
B 65	FRONT DOOR OPENER	OVM300781
B 66	INTERLOCKING GEAR L	OVM300787
B 67	FRONT DOOR OPENER SPRING	OVM403962
B 68	DRIVING GEAR REINFORCEMENT	OVM402961
B 72	UPPER PLATE	OVM201033
B 73	FE HEAD	DHVEC01AL001
B 74	LUMINESCENCE PRISM	OVM301291
B 76	REC ARM SPRING	OVM402578
B 77	PRISM R	OVM301292
B 78	PRISM L	OVM301293D
B 79	EARTH SPRING	OVM403524
B 80	SPRING FOR PRESSING PACK	OVM403674
B 81	M LEVER HOLDER	OVM301741
B 82	KICK ARM HOLDER	OVM301397C
B 83	RACK SPRING	OVM403894
B 84	PRESS FIT BUSH	OVM403652
B 98	TG CAP	OVM403733
B 100	HOLDER SPRING	OVM403852
B 102	FL RACK	OVM201022
B 103	REC ARM A	OVM301441F
B 104	REC ARM B	OVM301442C
B 105	REC SPRING	OVM403724
L1011	SCREW, C-TIGHT M3X9 PAN HEAD +	GPMC3090
L1051	SCREW, S-TIGHT M2.6X6 PAN HEAD +	GPMS9060
L1052	SCREW, S-TIGHT M2.6X6 PAN HEAD +	GPMS9060
L1053	SCREW, S-TIGHT M2.6X6 PAN HEAD +	GPMS9060
L1081	SCREW, S-TIGHT, BIND HEAD 3X6	GBMS3060
L1091	S TIGHT SCREW M3X6 CUP+	GCMS3060
L1101	P TIGHT SCREW 3X8 BIND+	GBMP3080
L1102	P TIGHT SCREW 3X8 BIND+	GBMP3080
L1111	SCREW, P-TIGHT, WASHER HEAD M3X6	GCMP3060
L1112	SCREW, P-TIGHT, WASHER HEAD M3X6	GCMP3060
L1121	HEXAGON NUT M3	NHNM030
L1151	SCREW, SEMS M3X4 PAN HEAD +	CPM33040
L1191	SCREW, P-TIGHT 2.6X10 PAN HEAD +	GPMP9100
L1202	B TIGHT SCREW 3X6 PAN HEAD +	GPMB3060
L1221	SCREW,SPECIAL	OVM403688
L1231	SPACER SCREW ASSEMBLY	OVM403752
L1241	SCREW, P-TIGHT M2X6 +BIND	GBMP2060

DECK ELECTRICAL PARTS LIST

PRODUCT SAFETY NOTE: Products marked with a Δ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice of this service manual. Don't degrade the safety of the product through improper servicing.

NOTE: Parts that are not assigned part numbers (-----) are not normally available.

JOINT CBA

Ref. No.	Description	Part No.
	JOINT CBA (JOINT-A/B/C)	OVSA04655
	Consists of the following:	
Δ	JOINT (JOINT-A) CBA	-----
	MODE SW (JOINT-B) CBA	-----
	ACE HEAD (JOINT-C) CBA	-----
	P.C.B.	BK7010F01002

JOINT (JOINT-A) CBA

Ref. No.	Description	Part No.
	JOINT CBA	-----
	Consists of the following:	
CL2901	JUMPER WIRE, 5P	WX1K7010-003
CL2902	JUMPER WIRE, 6P	WX1K7010-001
CN2801	FFC CONNECTOR BASE, TOP 9P or	JC2SJ09ERHOC
	FFC CONNECTOR BASE, TOP 9P or	1700915
	FFC CONNECTOR BASE, TOP 9P or	1700449
	FFC CONNECTOR BASE, TOP 9P or	1700515
	FFC CONNECTOR BASE, TOP 9P	1700986
CN2901	ANGLE SOCKET CONNECTOR, 20P	1770615
CN2902	ANGLE PIN HEADER, 2P	1740775
R 2801	CARBON RES. 1/5W J 27K Ω or	1324273T
	CARBON RES. 1/6W J 27K Ω or	132A273T
	CARBON RES. 1/4W J 27K Ω	RCX4JATZ0273
R 2802	CARBON RES. 1/5W J 27K Ω or	1324273T
	CARBON RES. 1/6W J 27K Ω or	132A273T
	CARBON RES. 1/4W J 27K Ω	RCX4JATZ0273
	FFC CABLE, 9P FFC/P1.25/120	WX3909QZ4413

MODE SW (JOINT-B) CBA

Ref. No.	Description	Part No.
	MODE SW CBA	-----
	Consists of the following:	
SW2901	MODE SWITCH	SSR0401HD001

ACE HEAD (JOINT-C) CBA

Ref. No.	Description	Part No.
	ACE HEAD CBA	-----
	Consists of the following:	
CN2903	FLAT CABLE CONNECTOR 6P	JEHBJ06JE001

PRV CBA

Ref. No.	Description	Part No.
	PRV CBA	OVSA05317
	Consists of the following:	
CAPACITORS		
C 3501	CERAMIC CAP. F Z 0.1 μ F/50V	3F40104T
C 3502	ELECTROLYTIC CAP. 100 μ F/6.3V M H7	526R107S
C 3503	ELECTROLYTIC CAP. 0.22 μ F/50V M H7	526W224S
C 3504	CERAMIC CAP. Y M 0.01 μ F/16V or	3Y4D103T
	CERAMIC CAP. F Z 0.01 μ F/16V	1220842T
C 3505	CERAMIC CAP. Y M 0.01 μ F/16V or	3Y4D103T
	CERAMIC CAP. F Z 0.01 μ F/16V	1220842T
C 3506	CERAMIC CAP. Y M 0.01 μ F/16V or	3Y4D103T
	CERAMIC CAP. F Z 0.01 μ F/16V	1220842T
C 3507	CERAMIC CAP. F Z 0.1 μ F/50V	3F40104T
C 3509	CERAMIC CAP. F Z 0.1 μ F/50V	3F40104T
C 3513	CERAMIC CAP. SL J 15pF/50V	3S11150
C 3521	CERAMIC CAP. B J 100pF/50V	3B11101
C 3522	CERAMIC CAP. SL J 47pF/50V	3S11470
CONNECTORS		
CN3501	ANGLE SOCKET CONNECTOR 15P	1770610
CN3502	FFC CONNECTOR BASE, SIDE 5P or	JC96J05ERC0C
	FFC CONNECTOR BASE, SIDE 5P	1700471
CN3503	CONNECTOR ASSEMBLY 2P	WX1K7010-007
CN3504	FFC CONNECTOR BASE, SIDE 6P or	JC96J06ERC0C
INTERGRATED CIRCUIT		
IC3501	IC, VIDEO H-AMP LA7376	GLA737600000
COILS		
L 3501	INDUCTOR 22 μ H-K-26T or	LLAXKDTKA220
	INDUCTOR 22 μ H-K-26T	LLAXKATTU220
RESISTORS		
R 3501	CARBON RES. 1/5W J 22K Ω or	1324223T
	CARBON RES. 1/6W J 22K Ω or	132A223T
	CARBON RES. 1/4W J 22K Ω	RCX4JATZ0223
R 3502	CARBON RES. 1/5W J 8.2K Ω or	1324822T
	CARBON RES. 1/6W J 8.2K Ω or	132A822T
	CARBON RES. 1/4W J 8.2K Ω	RCX4JATZ0822
R 3503	CARBON RES. 1/5W J 1K Ω or	1324102T
	CARBON RES. 1/6W J 1K Ω or	132A102T
	CARBON RES. 1/4W J 1K Ω	RCX4JATZ0102
R 3504	CARBON RES. 1/5W J 5.6K Ω or	1324562T
	CARBON RES. 1/6W J 5.6K Ω or	132A562T
	CARBON RES. 1/4W J 5.6K Ω	RCX4JATZ0562
R 3505	CARBON RES. 1/5W J 33K Ω or	1324333T
	CARBON RES. 1/6W J 33K Ω or	132A333T
	CARBON RES. 1/4W J 33K Ω	RCX4JATZ0333
MISCELLANEOUS		
2B 2	SHIELD, TOP (A)	0VM301599
2B 3	SHIELD, BOTTOM (A)	0VM301600
	LEAD ASSEMBLY 1P	WX1K7086-001

Ref. No.	Description	Part No.
	FFC CABLE, 6P FFC/P1.25/40 or	WX3906QZ6605
	FFC CABLE, 6P FFC/P1.25/40	WX3906QZ5505
Δ	P.C.B.	BK7010F01004

