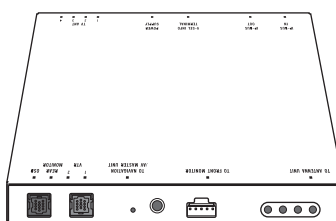


Service Manual

Pioneer

GEX-P7000TVP/EW



ORDER NO.
CRT2385

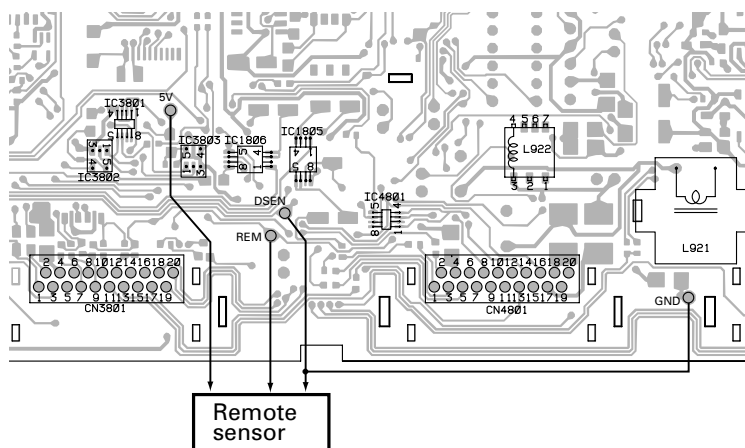
HIDE-AWAY TV TUNER

GEX-P7000TV GEX-P7000TVP

UC,ES

EW,ES

- This product is a hide-away tuner, and cannot operate by itself. When operating this unit for servicing, switch to the FM modulator mode with the slide switch located on the bottom plate.
- To receive the remote control data, connect the remote sensor, as shown below:



CONTENTS

1. SAFETY INFORMATION	2	7. GENERAL INFORMATION	49
2. EXPLODED VIEWS AND PARTS LIST	2	7.1 IC	49
3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM	6	7.2 CIRCUIT DESCRIPTION	58
4. PCB CONNECTION DIAGRAM	23	8. OPERATIONS AND SPECIFICATIONS	60
5. ELECTRICAL PARTS LIST	28		
6. ADJUSTMENT	46		

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153-8654, Japan
PIONEER ELECTRONICS SERVICE INC. P.O.Box 1760, Long Beach, CA 90801-1760 U.S.A.
PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE.LTD. 253 Alexandra Road, #04-01, Singapore 159936

1. SAFETY INFORMATION(GEX-P7000TV/UC)

CAUTION

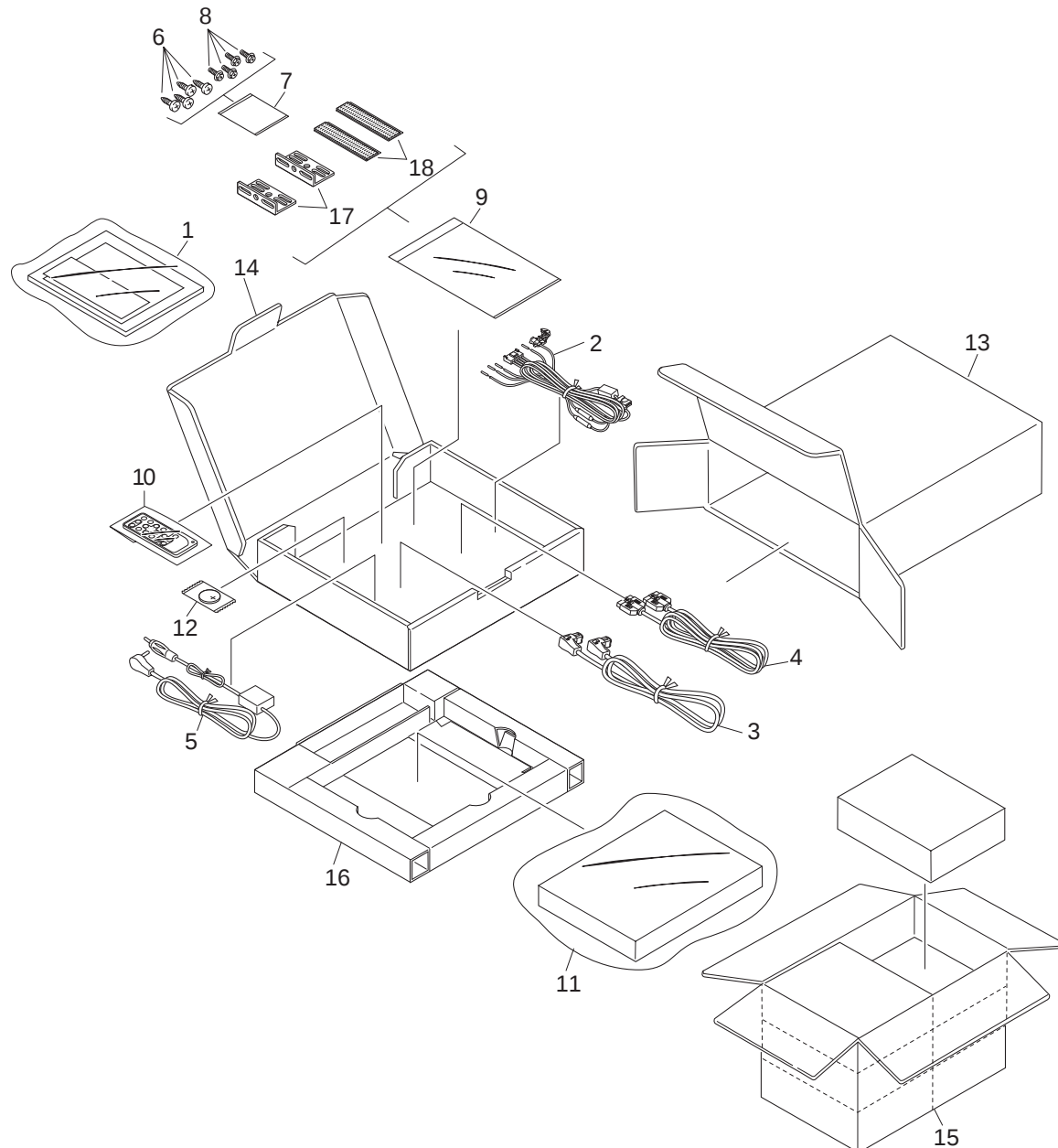
This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely; you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.
Health & Safety Code Section 25249.6 - Proposition 65

2. EXPLODED VIEWS AND PARTS LIST

2.1 PACKING



NOTE:

- Parts marked by “*” are generally unavailable because they are not in our Master Spare Parts List.
- Screws adjacent to ∇ mark on the product are used for disassembly.

(1) PACKING SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
*	1-1 Card	See Contrast table(2)	11	Polyethylene Bag	See Contrast table(2)
	1-2 Owner's Manual	See Contrast table(2)	12	Battery	CEX1030
	1-3 Installation Manual	See Contrast table(2)	13	Carton	See Contrast table(2)
	1-4 Polyethylene Bag	See Contrast table(2)	14	Sub Carton	CHG3796
	1-5 Warranty Card	See Contrast table(2)	15	Contain Box	See Contrast table(2)
	1-6 Owner's Manual	See Contrast table(2)	16	Protector	CHP2158
	2 Cord Assy	CDE6094	17	Angle(x2)	CNB2351
	3 Cord Assy	CDE5880	18	Fastener(x2)	CNM3728
	4 Cord Assy	CDE5906			
	5 Antenna Select Unit	CWM5606			
	6 Screw	BNC40P120FZK			
	7 Polyethylene Bag	CEG1158			
	8 Screw	HMF40P080FZK			
*	9 Polyethylene Bag	CEG1101			
	10 Remote Control Unit	CXB4141			

(2) CONTRAST TABLE

GEX-P7000TV/UC, GEX-P7000TV/ES, GEX-P7000TVP/EW and GEX-P7000TVP/ES are constructed the same except for the following:

Mark No.	Symbol and Description	Part No.			
		GEX-P7000TV/UC	GEX-P7000TV/ES	GEX-P7000TVP/EW	GEX-P7000TVP/ES
*	1-1 Card	ARY1048	Not used	Not used	Not used
	1-2 Owner's Manual	CRD3021	CRD3048	CRD3023	CRD3046
	1-3 Installation Manual	CRD3022	CRD3049	CRD3026	CRD3047
	1-4 Polyethylene Bag	CEG1116	Not used	CEG1116	Not used
	1-5 Warranty Card	Not used	Not used	CRY1087	Not used
	1-6 Owner's Manual	Not used	Not used	CRD3024	Not used
	11 Polyethylene Bag	CEG1173	CEG-162	CEG-162	CEG-162
	13 Carton	CHG3794	CHG3795	CHG3793	CHG3792
	15 Contain Box	CHL3794	CHL3795	CHL3793	CHL3792

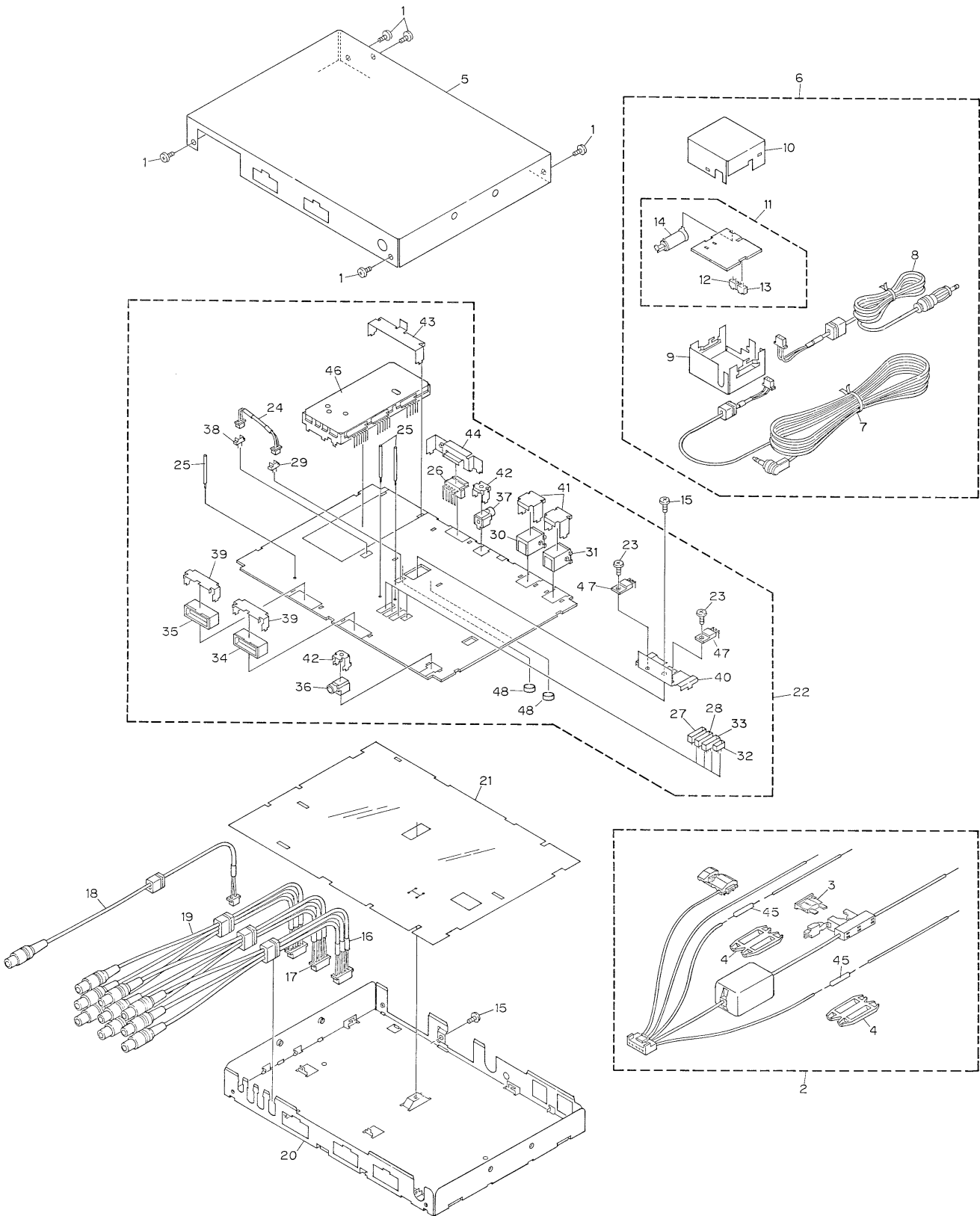
● Owner's Manual

Model	Part No.	Language
GEX-P7000TV/UC	CRD3021	English, French
GEX-P7000TV/ES,P7000TVP/ES	CRD3048, CRD3046	English, Spanish
GEX-P7000TVP/EW	CRD3023	English, Spanish, German
	CRD3024	French, Italian, Dutch

● Installation Manual

Model	Part No.	Language
GEX-P7000TV/UC	CRD3022	English, French
GEX-P7000TV/ES,P7000TVP/ES	CRD3049, CRD3047	English, Spanish
GEX-P7000TVP/EW	CRD3026	English, Spanish, German,
		French, Italian, Dutch

2.2 EXTERIOR



(1) EXTERIOR SECTION PARTS LIST

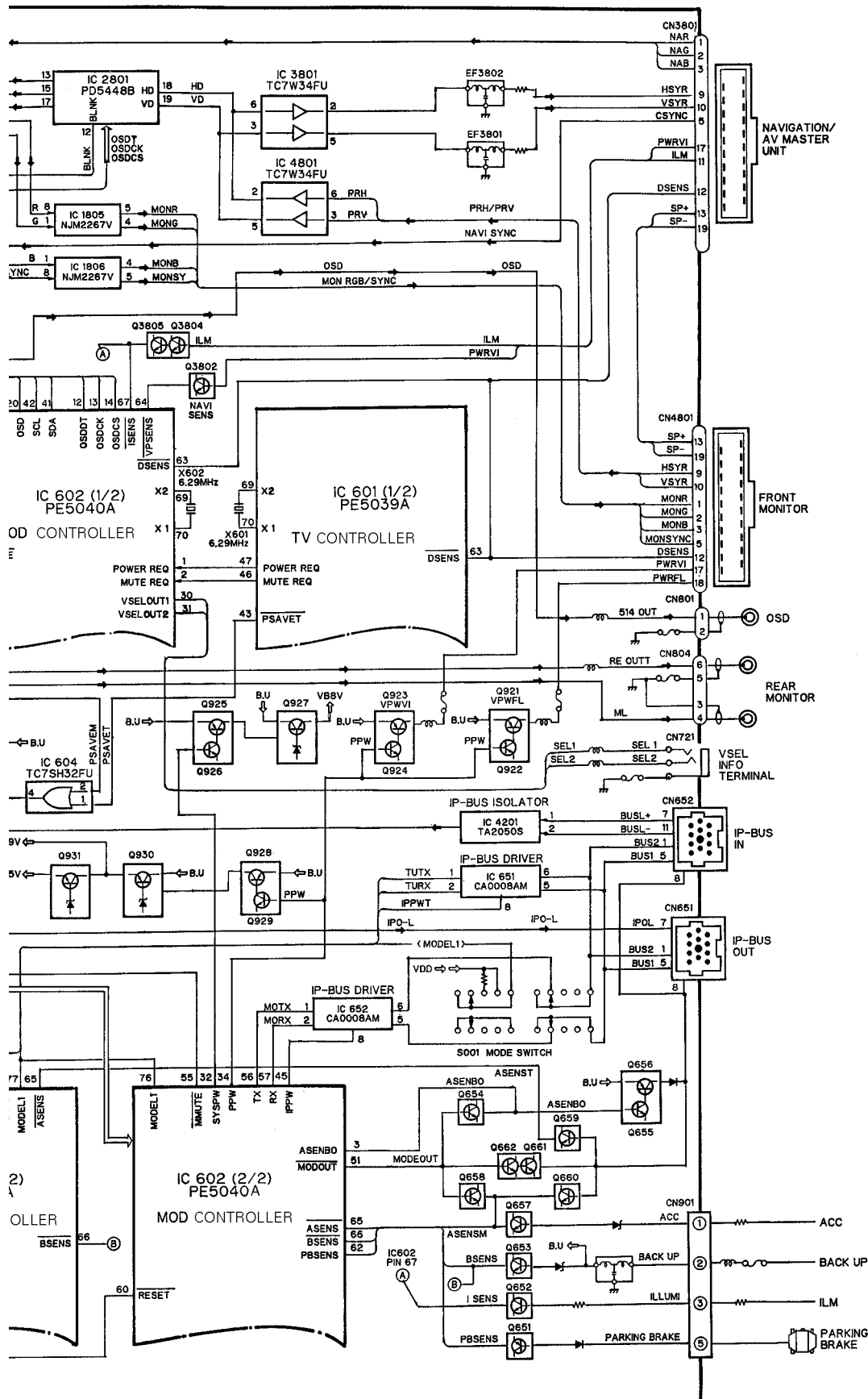
Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	BSZ30P060FZK	26	Plug(CN901)	CKS-462
2	Cord Assy	CDE6094	27	Plug(CN802)	CKS-570
3	Fuse(4A)	CEK1001	28	Plug(CN803)	CKS2717
4	Cap	CNS1472	29	Connector(CN1001)	See Contrast table(2)
5	Case	See Contrast table(2)	30	Connector(CN651)	CKS3409
6	Antenna Select Assy	CWM5606	31	Connector(CN652)	CKS3414
7	Cord	CDE5482	32	Connector(CN801)	CKS3582
8	Antenna Cable	CDH1207	33	Connector(CN804)	CKS3586
9	Chassis	CNA1555	34	Connector(CN4801)	CKS3644
10	Case	CNB1764	35	Connector(CN3801)	CKS3645
11	Antenna Select Unit	CWX2200	36	Jack(CN501)	CKS3727
12	Plug(CN502)	CKS1222	37	Connector(CN721)	CKS4124
13	Plug(CN501)	CKS2812	38	Connector(CN1002)	See Contrast table(2)
14	Antenna Jack(CN503)	CKX1006	39	Holder	CNC7047
15	Screw	BSZ30P060FMC	40	Holder	CNC7634
16	Cord Assy	CDE5872	41	Holder	CNC7838
17	Cord Assy	CDE5873	42	Holder	CNC8205
18	Cord	CDE5878	43	Holder	CNC8207
19	Cord Assy	CDE5879	44	Holder	CNC8208
20	Chassis	CNA2151	45	Resistor	RS1/2P102JL
21	Insulator	CNM6162	46	TV Front End	See Contrast table(2)
22	TV Modulator Unit	See Contrast table(2)	47	Transistor(Q930,935)	2SD2396
23	Screw	BMZ26P060FUC	48	Spacer	CNM6437
24	Cord	See Contrast table(2)			
25	Clamper	CEF1008			

(2) CONTRAST TABLE

GEX-P7000TV/UC, GEX-P7000TV/ES, GEX-P7000TVP/EW and GEX-P7000TVP/ES are constructed the same except for the following:

Mark No.	Symbol and Description	Part No.			
		GEX-P7000TV/UC	GEX-P7000TV/ES	GEX-P7000TVP/EW	GEX-P7000TVP/ES
5	Case	CNB2439	CNB2439	CNB2437	CNB2437
22	TV Modulator Unit	CWM6345	CWM6510	CWM6346	CWM6511
24	Cord	CDE6010	CDE6010	Not used	Not used
29	Connector(CN1001)	CKS3124	CKS3124	Not used	Not used
38	Connector(CN1002)	CKS4198	CKS4198	Not used	Not used
46	TV Front End	CWB1085	CWB1085	CWB1086	CWB1086

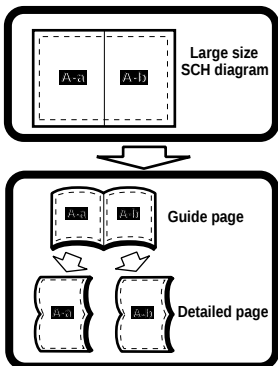




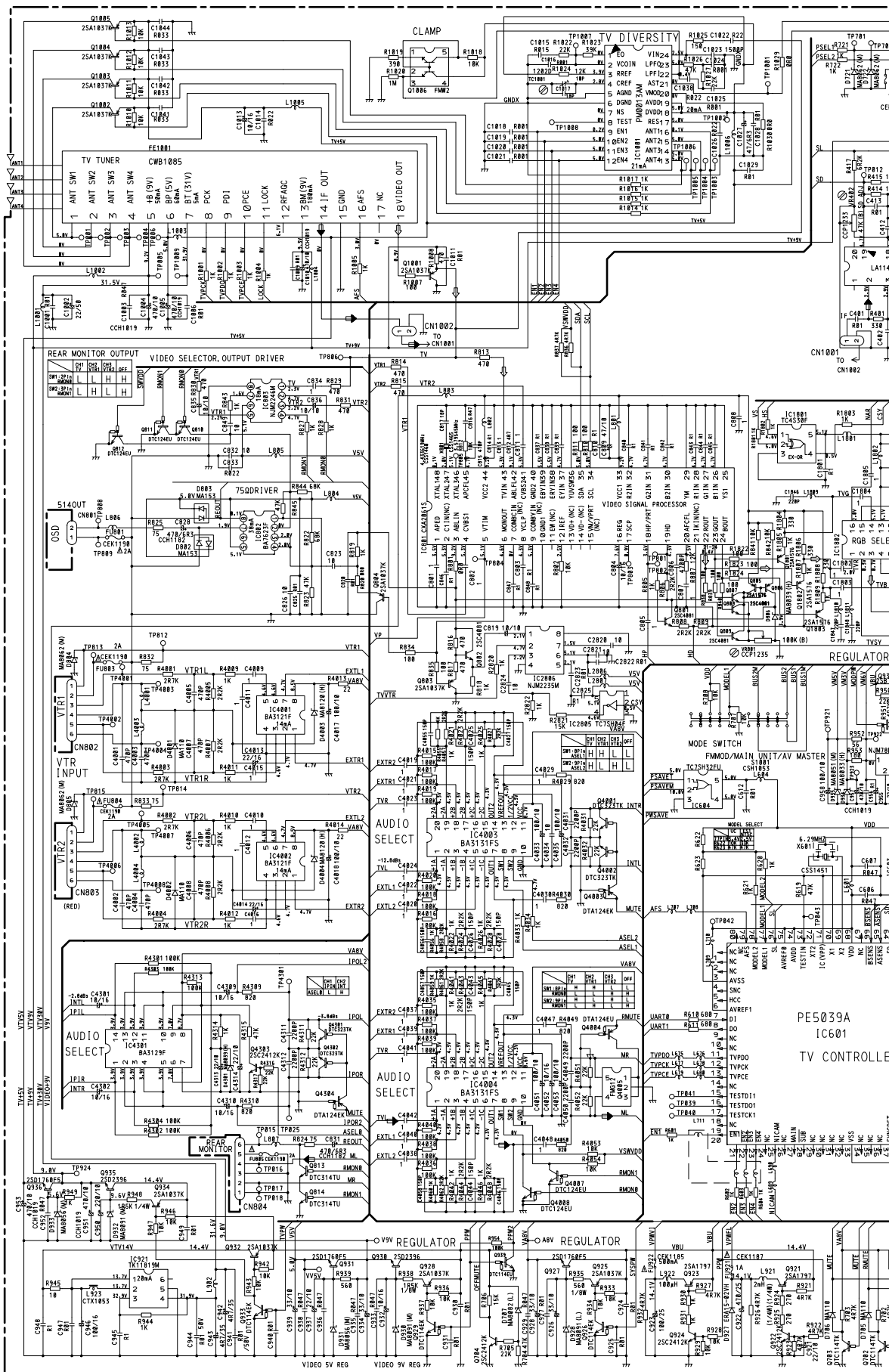


3.3 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)(GEX-P7000TV)

Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".



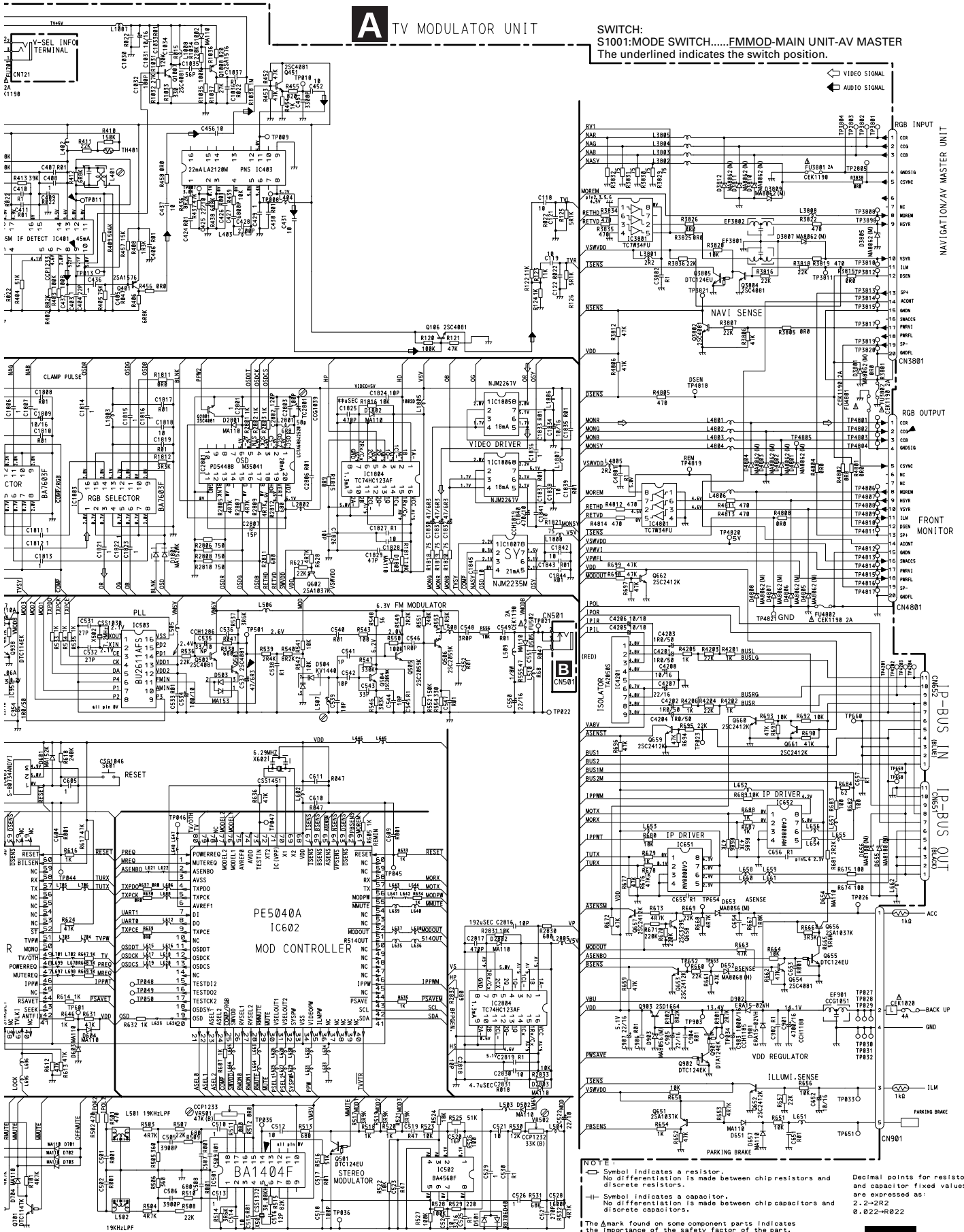
A-a



A-b

A TV MODULATOR UNIT

SWITCH:
S1001:MODE SWITCH.....FMMOD-MAIN UNIT-AV MASTER
The underlined indicates the switch position.

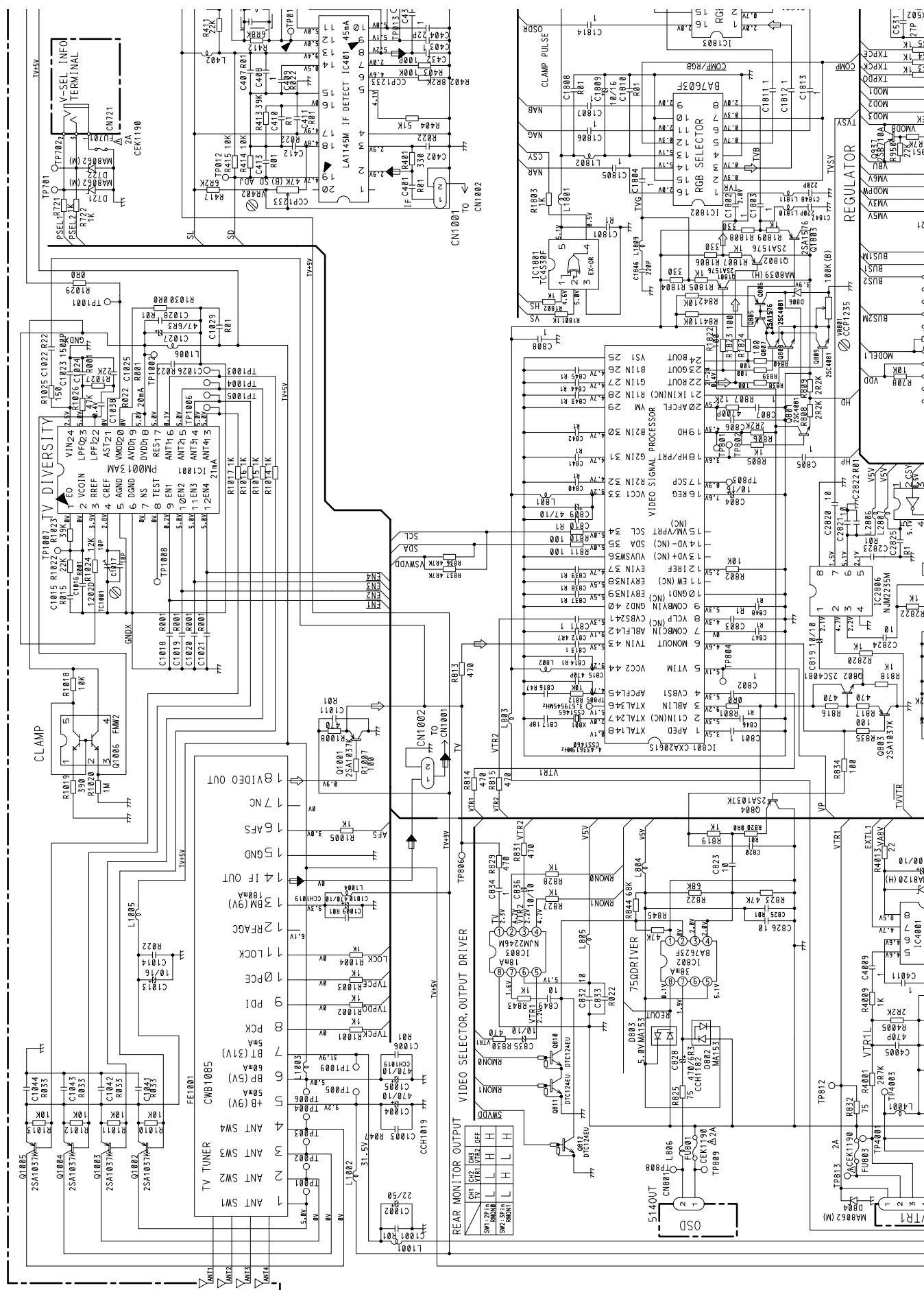


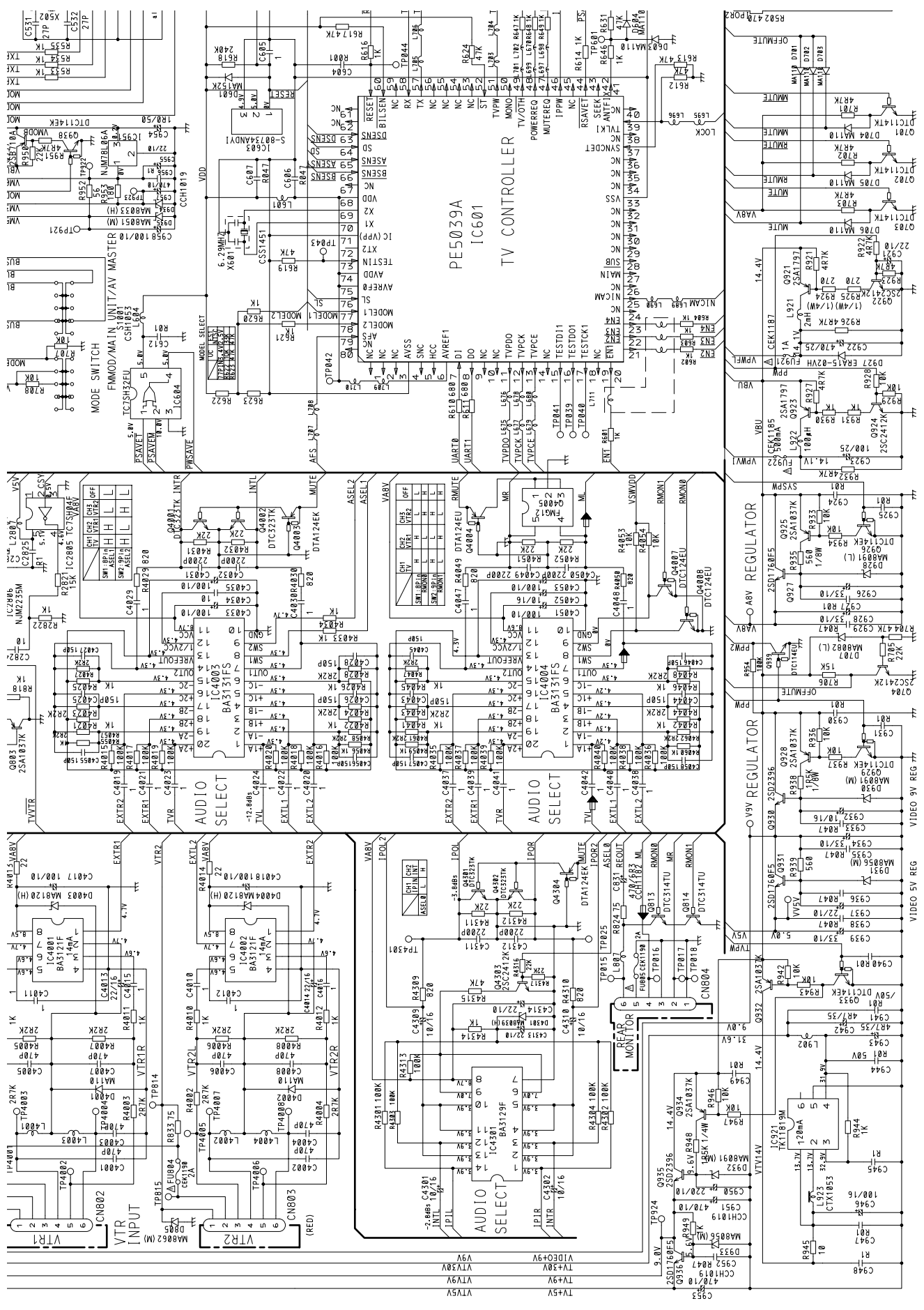
NOTE:
Symbol indicates a resistor.
No differentiation is made between chip resistors and discrete resistors.
Symbol indicates a capacitor.
No differentiation is made between chip capacitors and discrete capacitors.

Decimal points for resistor and capacitor fixed values are expressed as:
2.2-2R2
0.022-R022

The Mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

A





A-a A-b

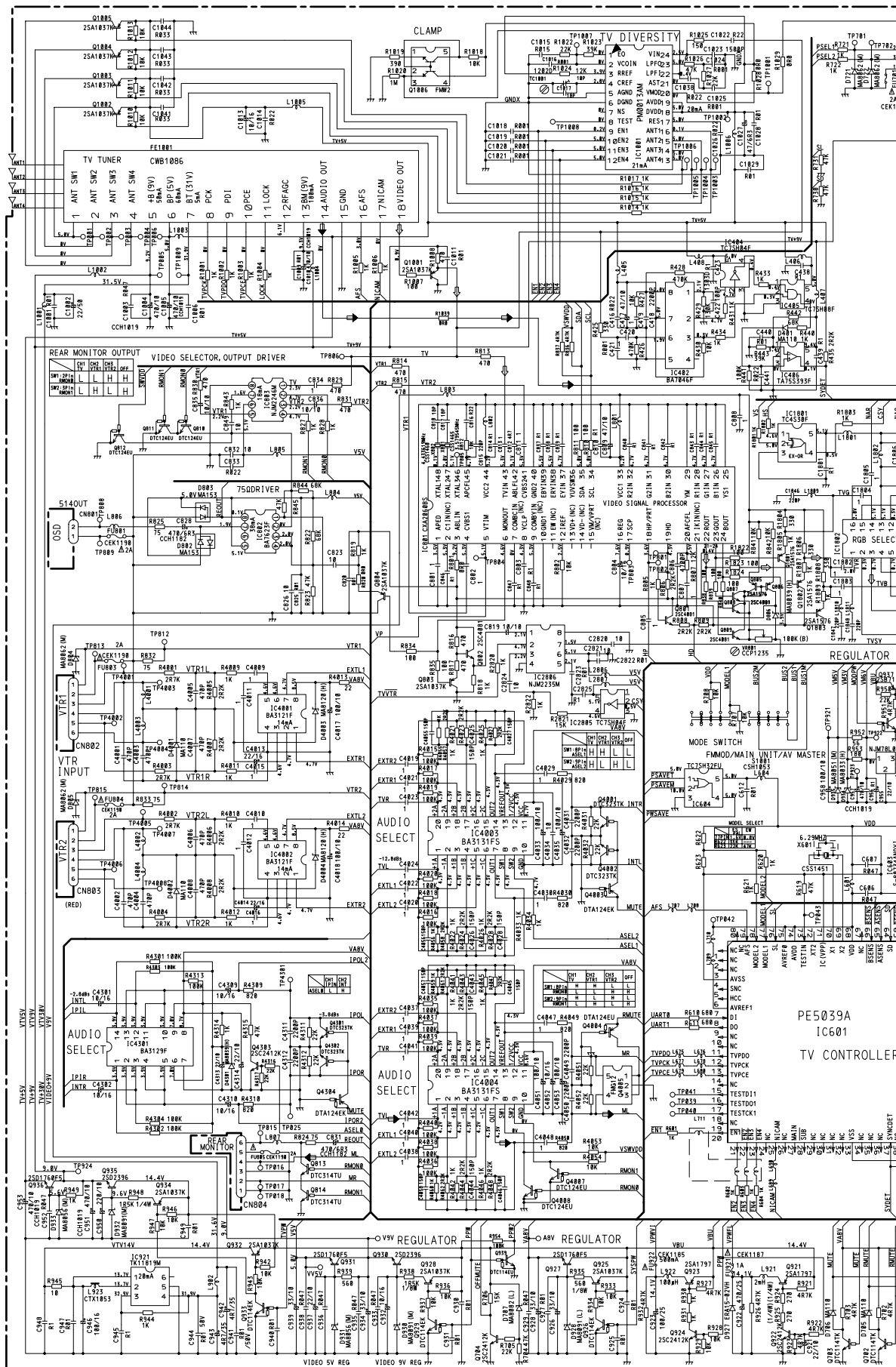
A

B

C

□

A-a

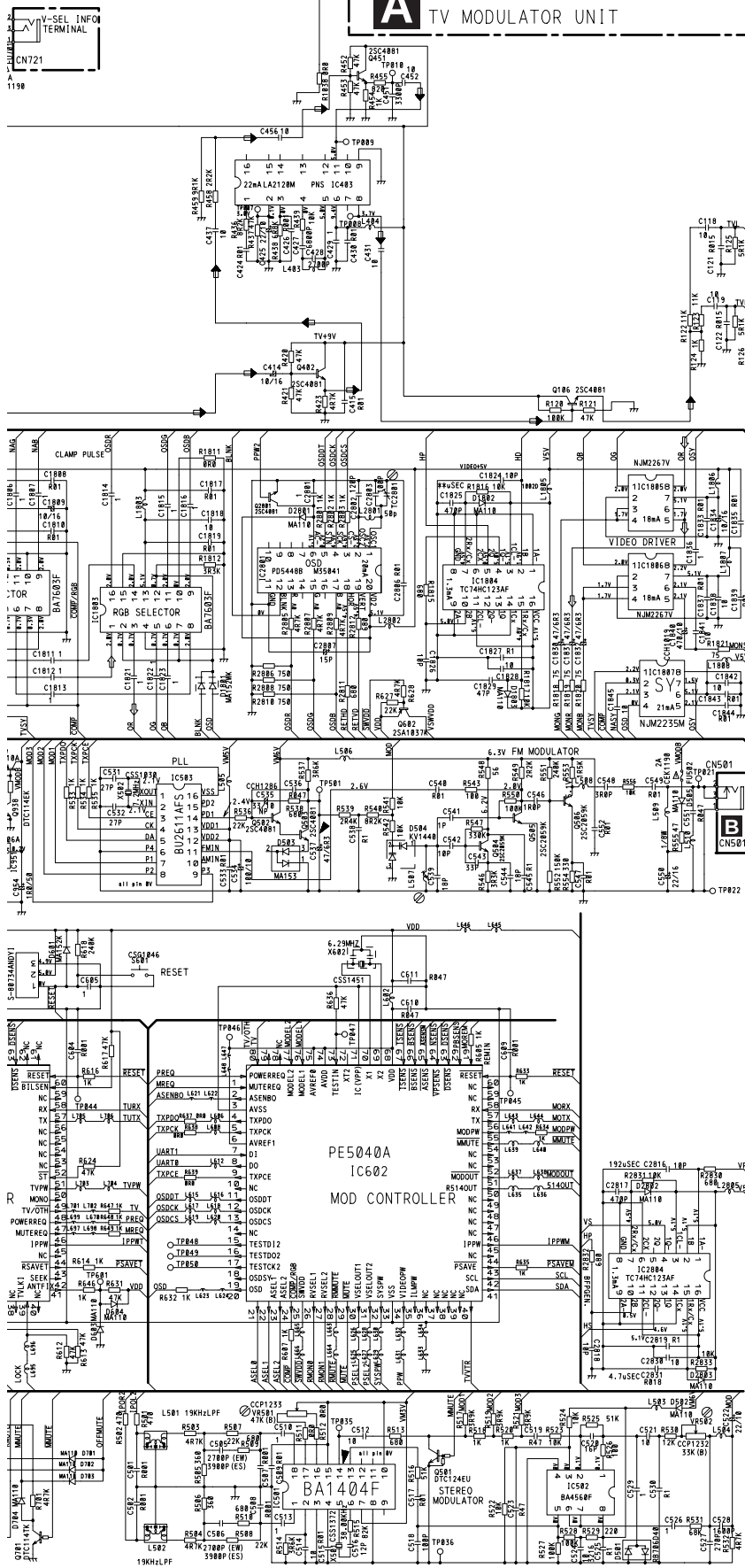


PE5039A
IC601
TV CONTROLLER

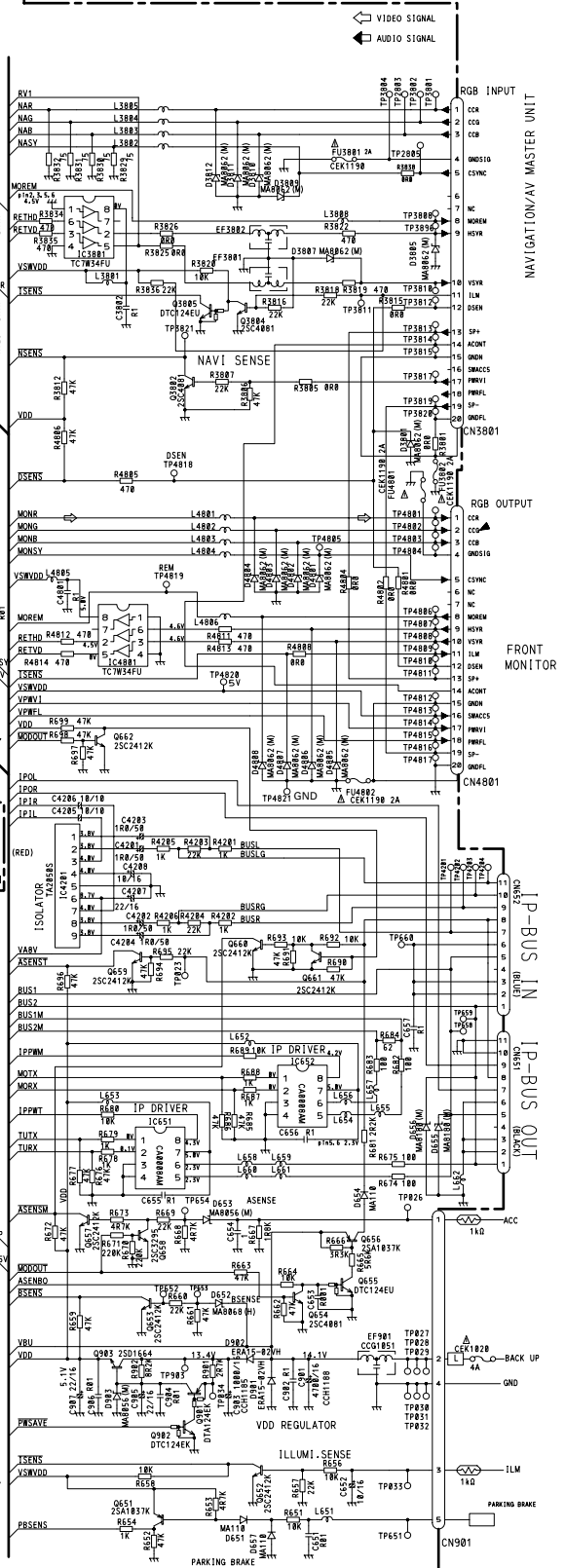
A-b

A

TV MODULATOR UNIT



SWITCH:
S1001:MODE SWITCH.....EMMOD-MAIN UNIT-AV MASTER
The underlined indicates the switch position.

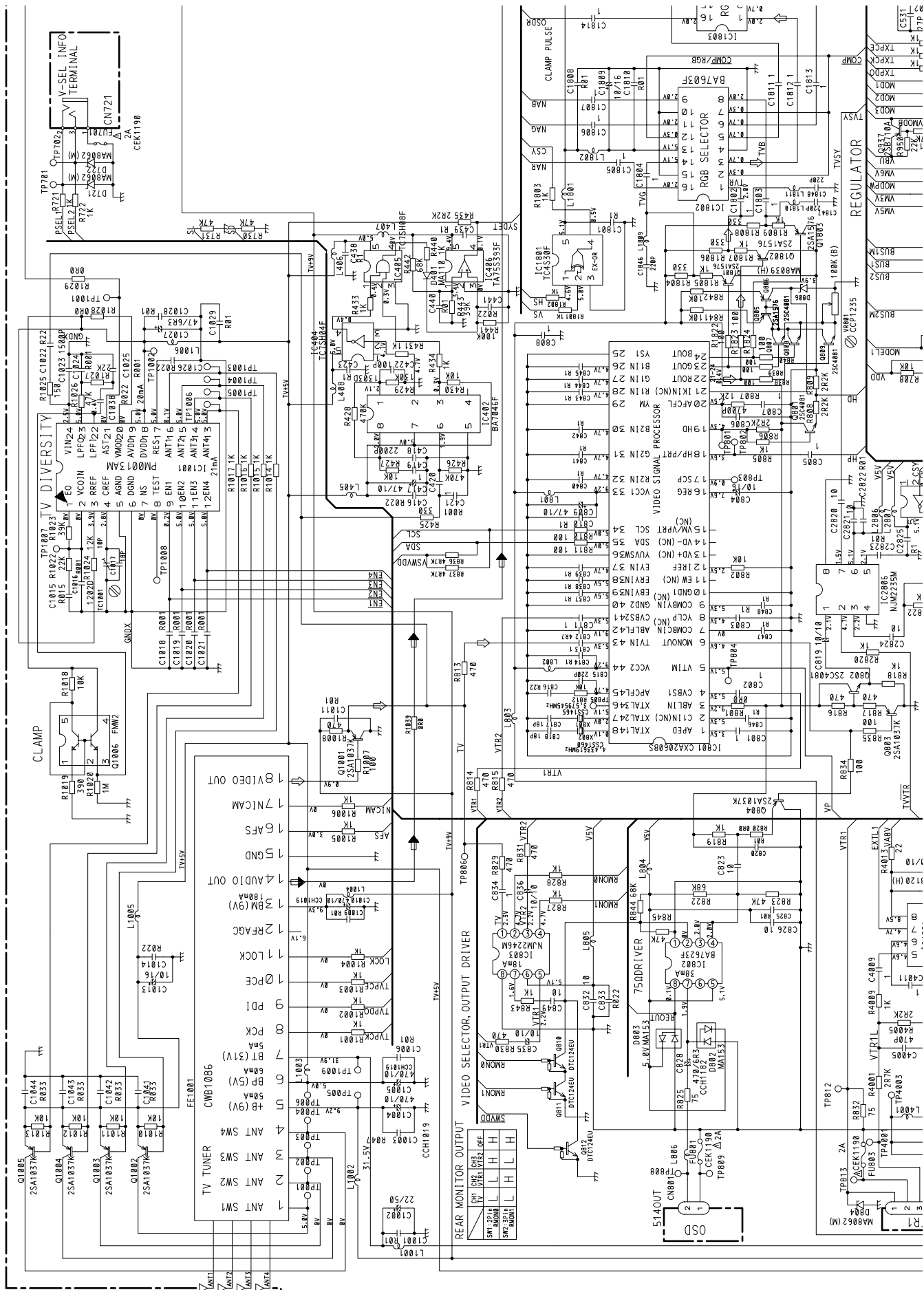


NOTE:
 □ Symbol indicates a resistor.
 No differentiation is made between chip resistors and discrete resistors.
 □ Symbol indicates a capacitor.
 No differentiation is made between chip capacitors and discrete capacitors.
 The Δmark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

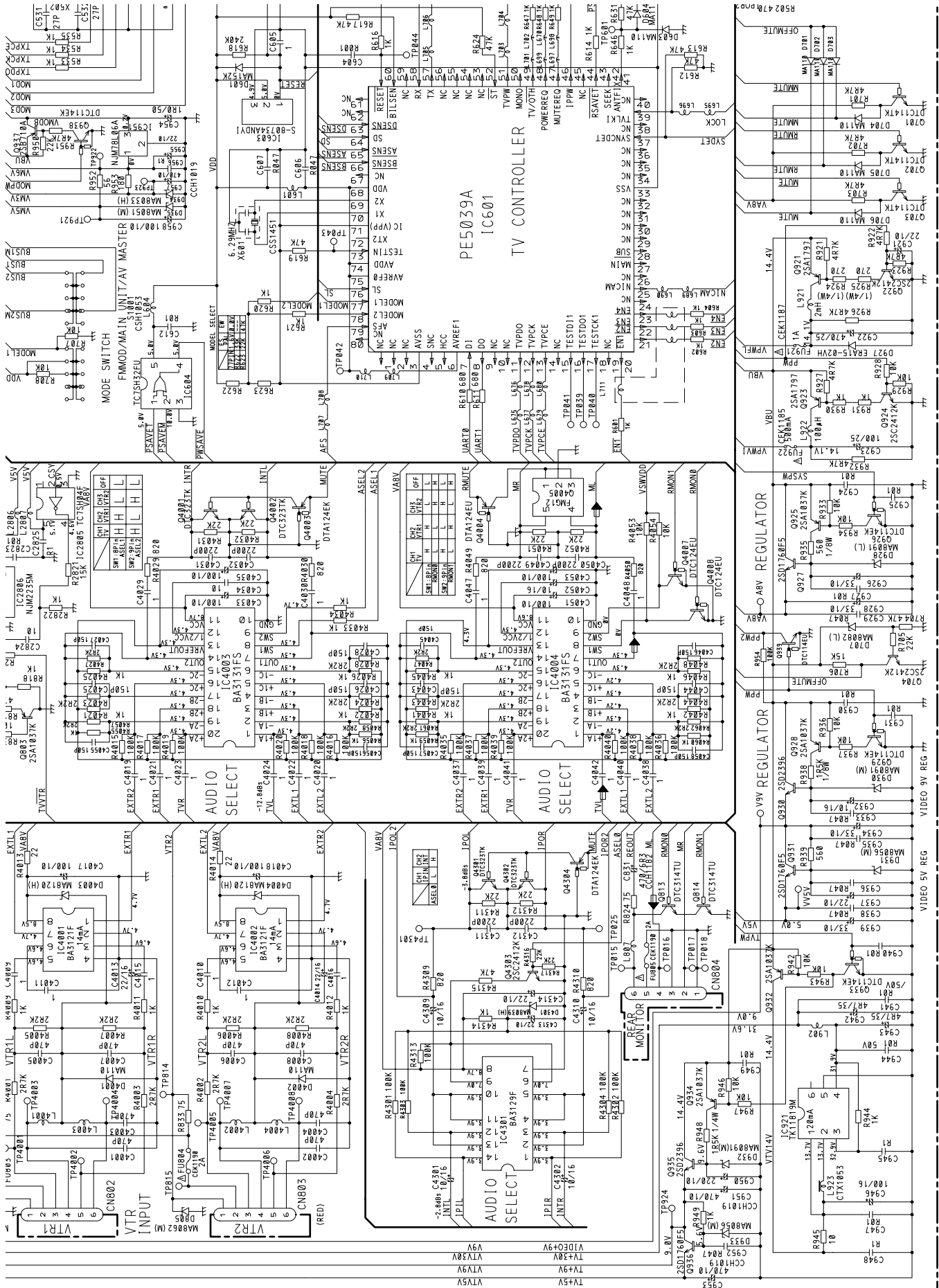
Decimal points for resistor and capacitor fixed values are expressed as:
 2.2-220
 0.022-0.022

A

A-a A-b



A-a A-b



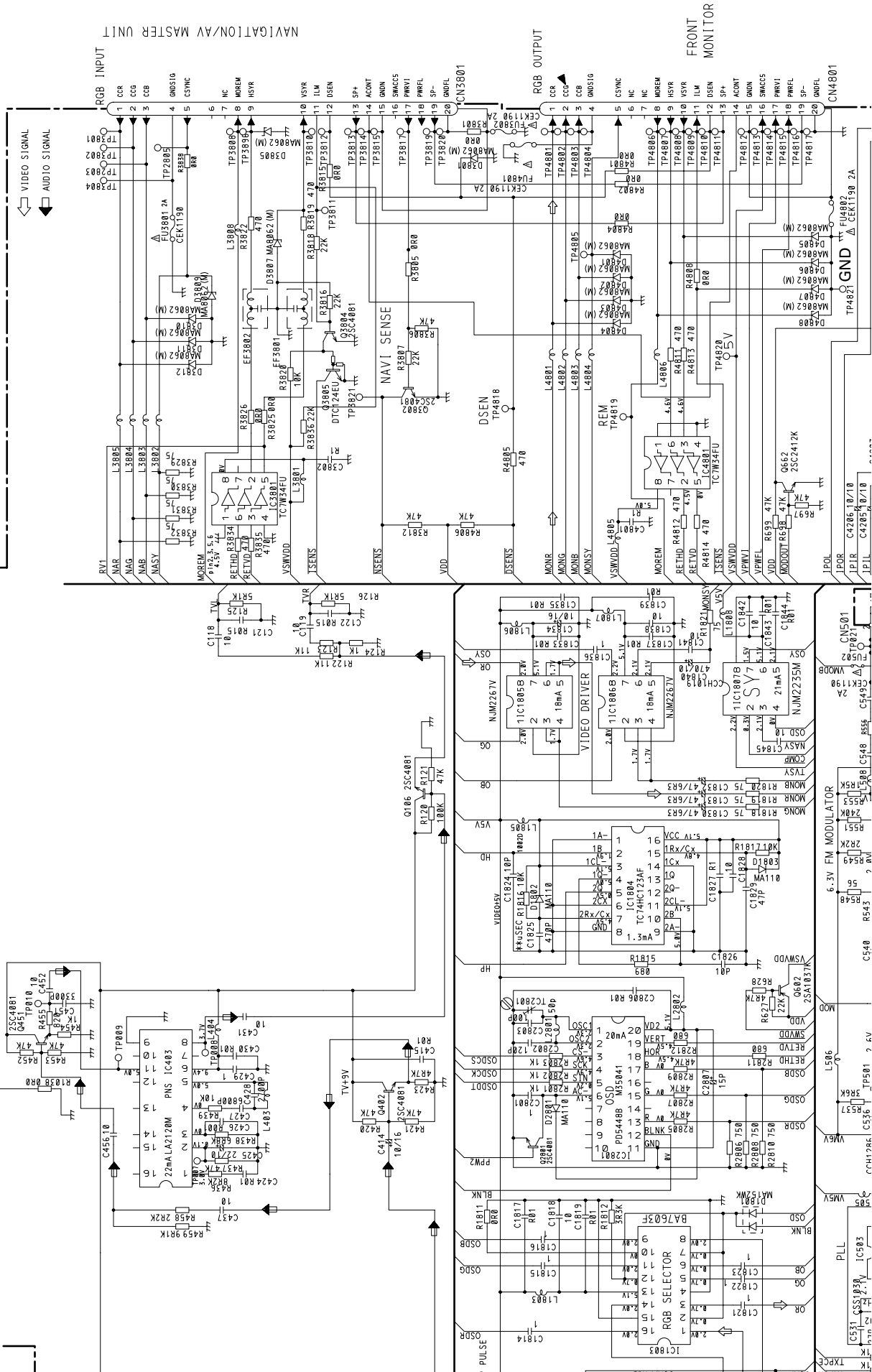
A-a

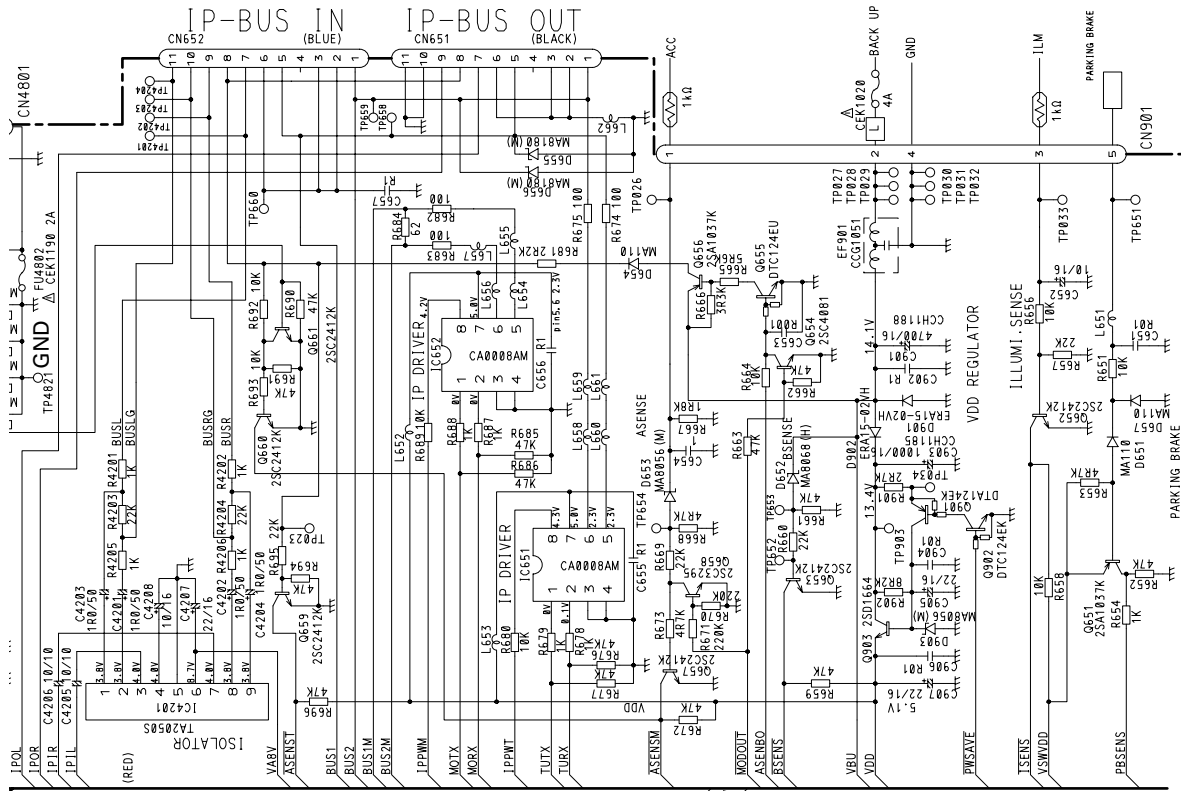
A-a A-b

SWITCH:
S1001:MODE SWITCH.....FMMOD-MAIN UNIT-AV MASTER
The underlined indicates the switch position.

A TV MODULATOR UNIT

A-b



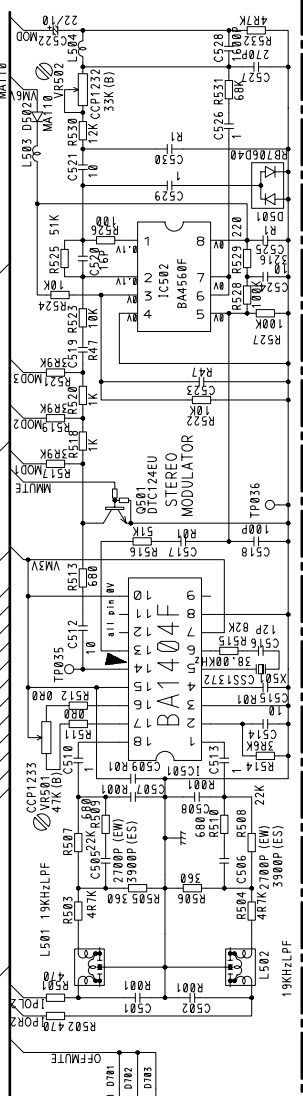
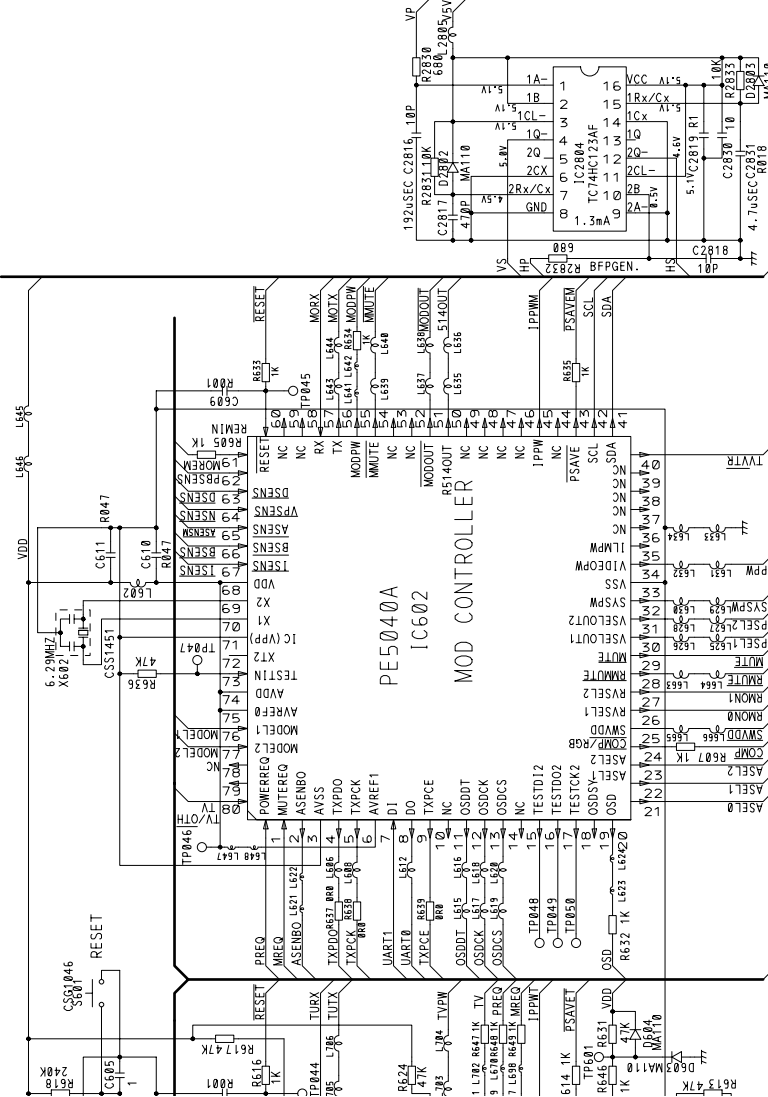
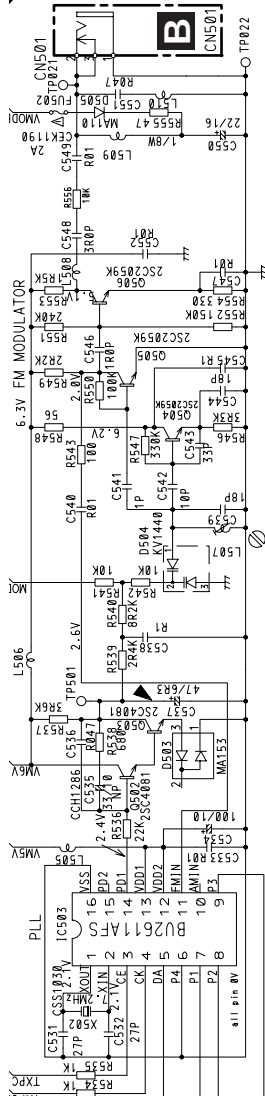


NOTE:

- Symbol indicates a resistor. No differentiation is made between chip resistors and discrete resistors.
- Symbol indicates a capacitor. No differentiation is made between chip capacitors and discrete capacitors.

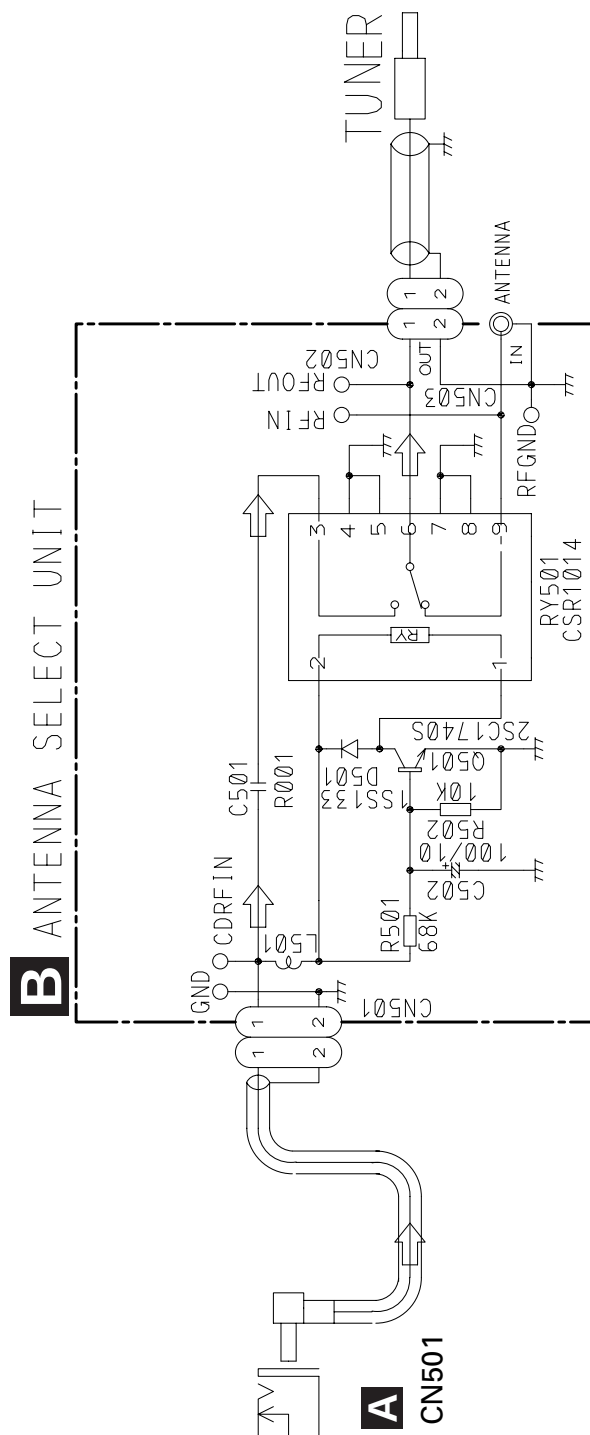
The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

A-a A-b



A-b

3.5 ANTENNA SELECT UNIT

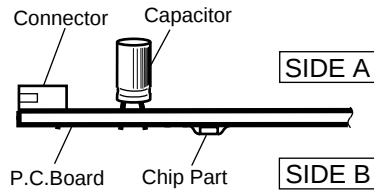


4. PCB CONNECTION DIAGRAM

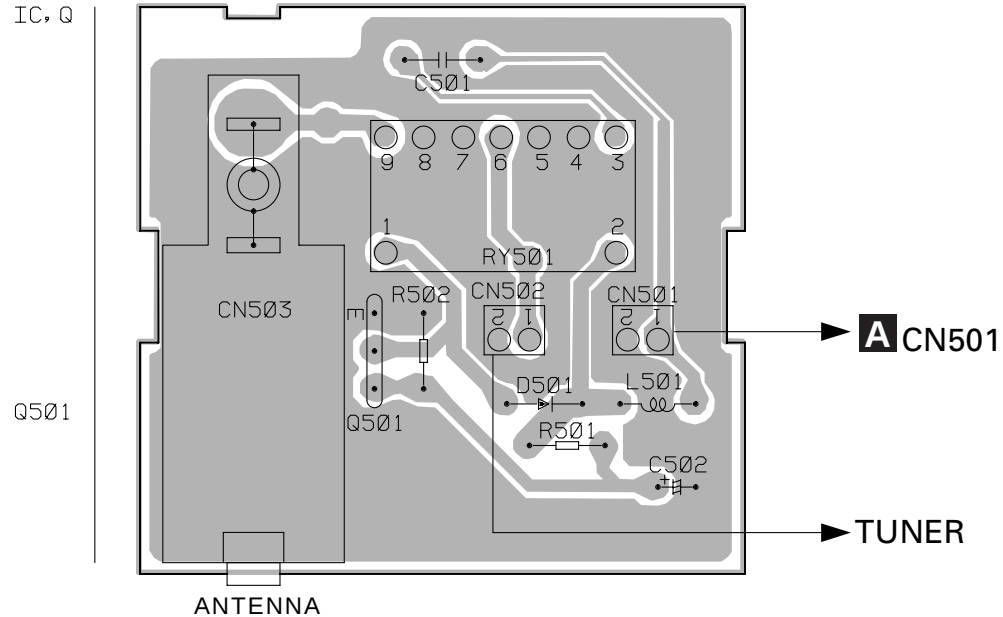
4.1 ANTENNA SELECT UNIT

NOTE FOR PCB DIAGRAMS

1. The parts mounted on this PCB include all necessary parts for several destination.
For further information for respective destinations, be sure to check with the schematic diagram.
2. Viewpoint of PCB diagrams



B ANTENNA SELECT UNIT

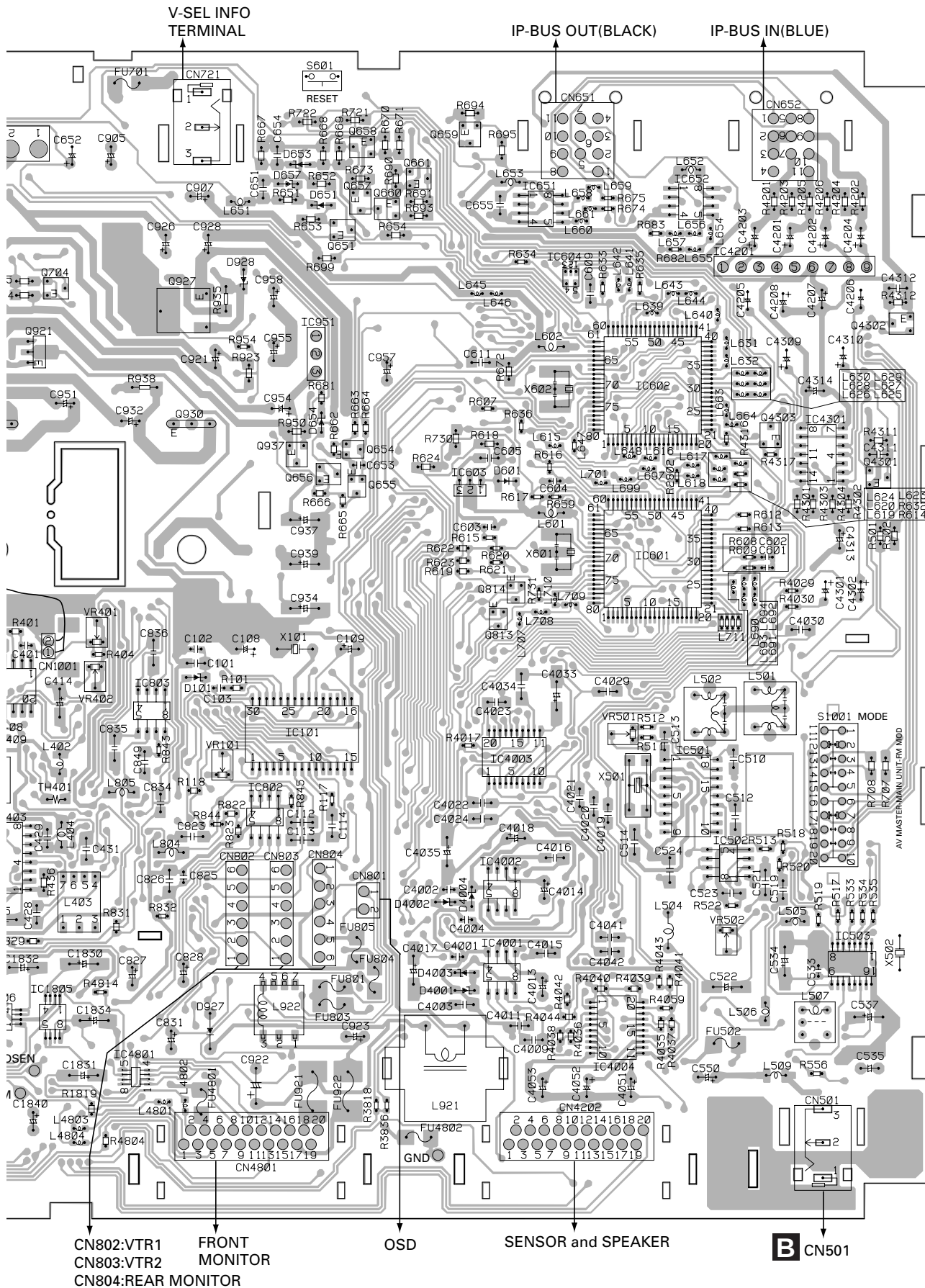


4.2 TV MODULATOR UNIT

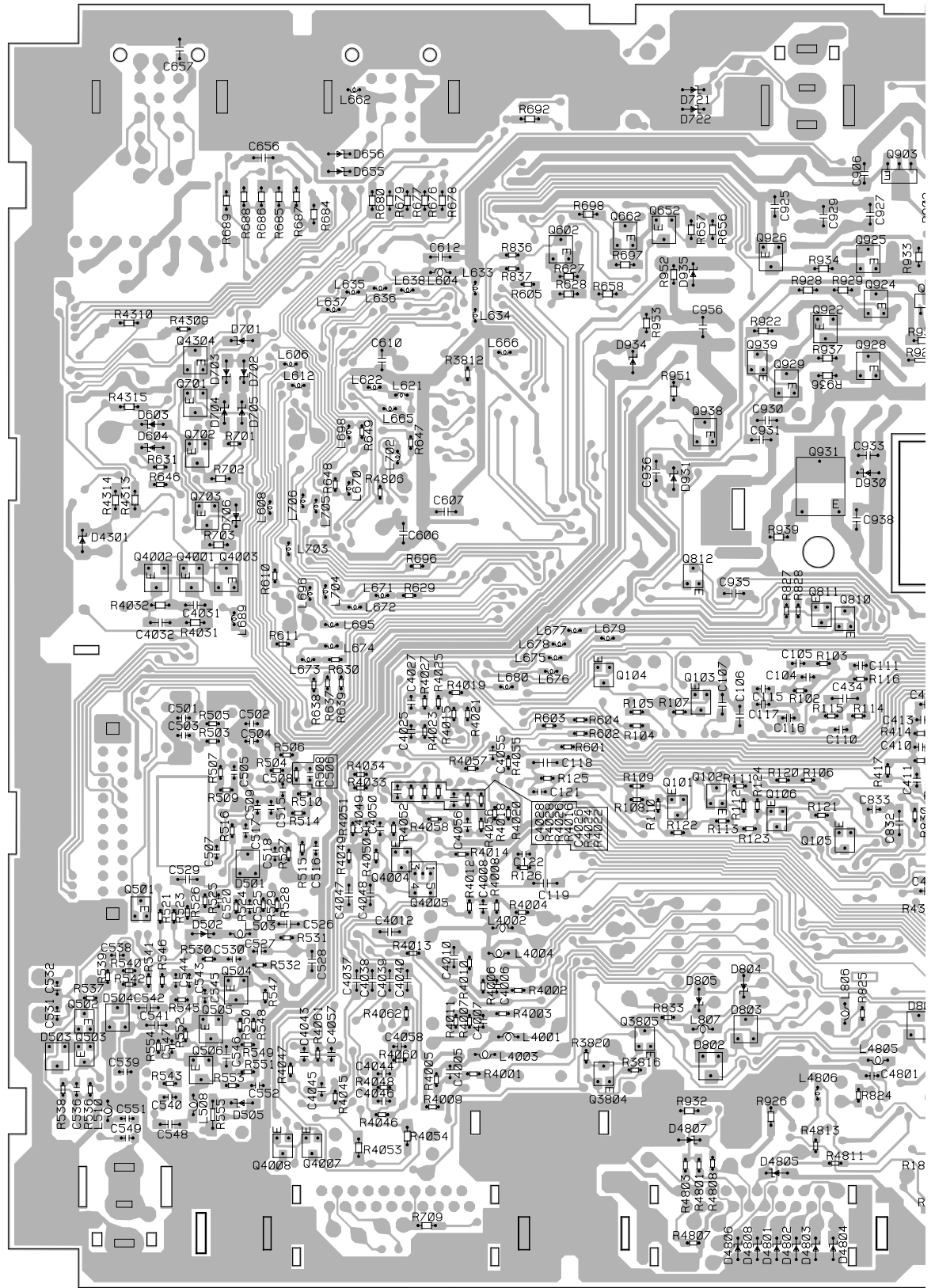
CORD



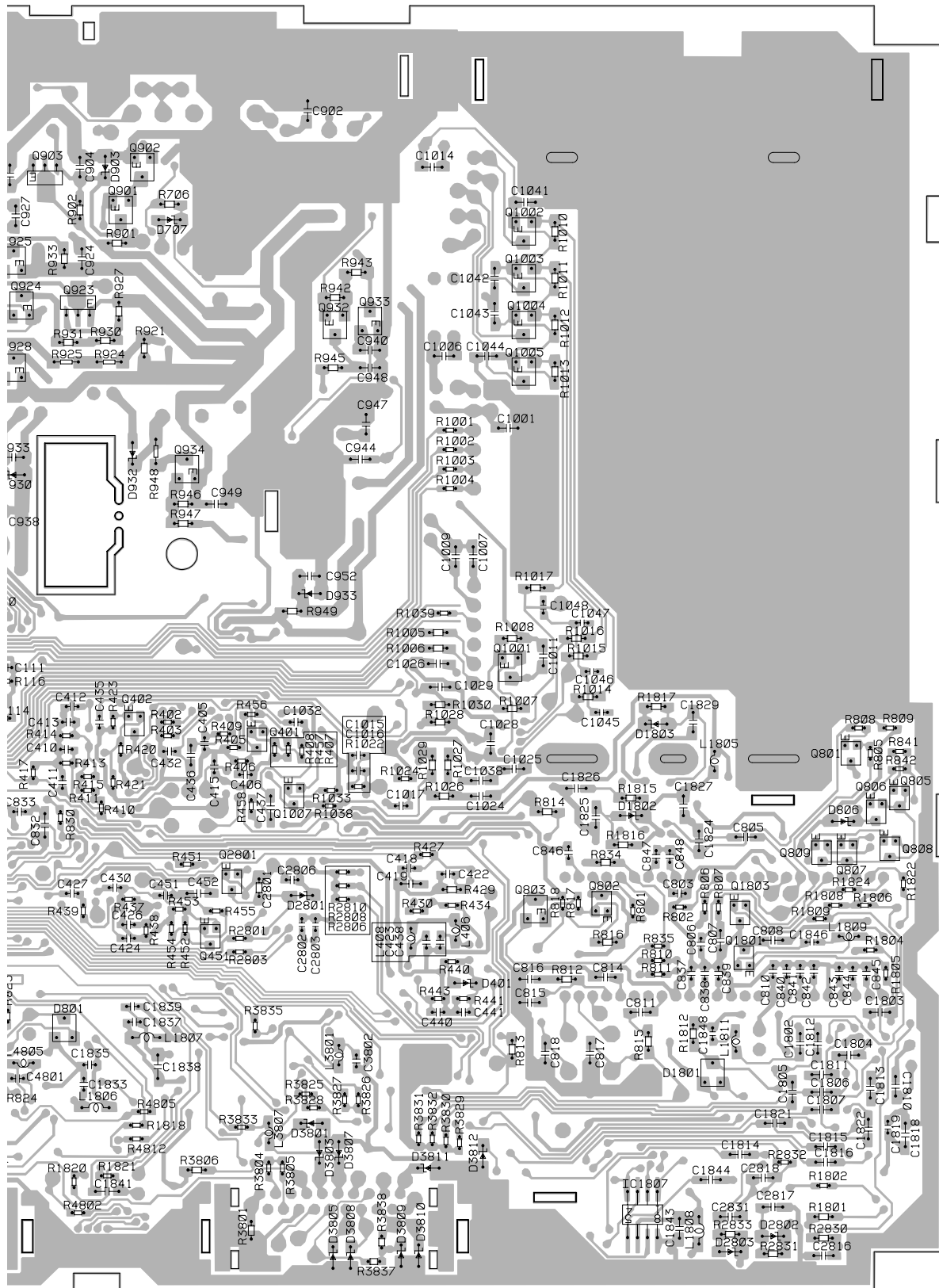
SIDE A



A TV MODULATOR UNIT



SIDE B



IC, Q

Q903 Q902

Q901
Q662 Q652
Q602 Q1002
Q926 Q925
Q1003Q924 Q923
Q922 Q932
Q933 Q1004Q4304
Q939 Q928
Q929 Q1005
Q701Q938
Q702
Q934
Q931

Q703

Q4002 Q4001
Q4003 Q812
Q811
Q810

Q1001

Q104 Q103
Q402
Q401Q801
Q102 Q805
Q101 Q106
Q806Q1007
Q105
Q2801 Q809
Q807 Q808
Q501 Q4004 Q803
Q4005 Q802 Q1803Q1801
Q451
Q504Q502 Q505
Q3805
Q503
Q506

Q3804

Q4008 Q4007

IC1807

5. ELECTRICAL PARTS LIST

NOTES:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○○J,RS1/○○S○○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
A Unit Number:CWM6345(GEX-P7000TV/UC) Unit Number:CWM6510(GEX-P7000TV/ES) Unit Name :TV Modulator Unit		Q 655 Transistor	DTC124EU
		Q 656 Transistor	2SA1037K
		Q 657 Transistor	2SC2412K
MISCELLANEOUS		Q 658 Transistor	2SC3295
		Q 659 Transistor	2SC2412K
IC 401 IC	LA1145M	Q 660 Transistor	2SC2412K
IC 403 IC	LA2120M	Q 661 Transistor	2SC2412K
IC 501 IC	BA1404F	Q 662 Transistor	2SC2412K
IC 502 IC	BA4560F	Q 701 Transistor	DTC114TK
IC 503 IC	BU2611AFS	Q 702 Transistor	DTC114TK
IC 601 IC	PE5039A	Q 703 Transistor	DTC114TK
IC 602 IC	PE5040A	Q 704 Transistor	2SC2412K
IC 603 IC	S-80734ANDYI	Q 801 Transistor	2SC4081
IC 604 IC	TC7SH32FU	Q 802 Transistor	2SC4081
IC 651 IC	CA0008AM	Q 803 Transistor	2SA1037K
IC 652 IC	CA0008AM	Q 804 Transistor	2SA1037K
IC 801 IC	CXA2061S	Q 805 Transistor	2SA1576
IC 802 IC	BA7623F	Q 806 Transistor	2SA1576
IC 803 IC	NJM2246M	Q 807 Transistor	2SC4081
IC 921 IC	TK11819M	Q 808 Transistor	2SC4081
IC 951 IC	NJM78L06A	Q 809 Transistor	2SC4081
IC 1001 IC	PM0013AM	Q 810 Transistor	DTC124EU
IC 1801 IC	TC4S30F	Q 811 Transistor	DTC124EU
IC 1802 IC	BA7603F	Q 812 Transistor	DTC124EU
IC 1803 IC	BA7603F	Q 813 Transistor	DTC314TU
IC 1804 IC	TC74HC123AF	Q 814 Transistor	DTC314TU
IC 1805 IC	NJM2267V	Q 901 Transistor	DTA124EK
IC 1806 IC	NJM2267V	Q 902 Transistor	DTC124EK
IC 1807 IC	NJM2235M	Q 903 Transistor	2SD1664
IC 2801 IC	PD5448B	Q 921 Transistor	2SA1797
IC 2804 IC	TC74HC123AF	Q 922 Transistor	2SC2412K
IC 2805 IC	TC7SH04F	Q 923 Transistor	2SA1797
IC 2806 IC	NJM2235M	Q 924 Transistor	2SC2412K
IC 3801 IC	TC7W34FU	Q 925 Transistor	2SA1037K
IC 4001 IC	BA3121F	Q 926 Transistor	DTC114EK
IC 4002 IC	BA3121F	Q 927 Transistor	2SD1760F5
IC 4003 IC	BA3131FS	Q 928 Transistor	2SA1037K
IC 4004 IC	BA3131FS	Q 929 Transistor	DTC114EK
IC 4201 IC	TA2050S	Q 930 Transistor	2SD2396
IC 4301 IC	BA3129F	Q 931 Transistor	2SD1760F5
IC 4801 IC	TC7W34FU	Q 932 Transistor	2SA1037K
Q 106 Transistor	2SC4081	Q 933 Transistor	DTC114EK
Q 401 Transistor	2SA1576	Q 934 Transistor	2SA1037K
Q 451 Transistor	2SC4081	Q 935 Transistor	2SD2396
Q 501 Transistor	DTC124EU	Q 936 Transistor	2SD1760F5
Q 502 Transistor	2SC4081	Q 937 Transistor	2SB710A
Q 503 Transistor	2SC4081	Q 938 Transistor	DTC114EK
Q 504 Transistor	2SC2059K	Q 939 Transistor	DTC114EU
Q 505 Transistor	2SC2059K	Q 1001 Transistor	2SA1037K
Q 506 Transistor	2SC2059K	Q 1002 Transistor	2SA1037K
Q 602 Transistor	2SA1037K	Q 1003 Transistor	2SA1037K
Q 651 Transistor	2SA1037K	Q 1004 Transistor	2SA1037K
Q 652 Transistor	2SC2412K	Q 1005 Transistor	2SA1037K
Q 653 Transistor	2SC2412K	Q 1006 Transistor	FMW2
Q 654 Transistor	2SC4081	Q 1007 Transistor	2SC4081

====Circuit Symbol and No.==Part Name			Part No.	====Circuit Symbol and No.==Part Name			Part No.
Q	1008	Transistor	2SA1576	D	3810	Diode	MA8062(M)
Q	1801	Transistor	2SA1576	D	3811	Diode	MA8062(M)
Q	1802	Transistor	2SA1576	D	3812	Diode	MA8062(M)
Q	1803	Transistor	2SA1576	D	4001	Diode	MA110
Q	2801	Transistor	2SC4081	D	4002	Diode	MA110
Q	3802	Transistor	2SC4081	D	4003	Diode	MA8120(H)
Q	3804	Transistor	2SC4081	D	4004	Diode	MA8120(H)
Q	3805	Transistor	DTC124EU	D	4301	Diode	MA8039(H)
Q	4001	Transistor	DTC323TK	D	4801	Diode	MA8062(M)
Q	4002	Transistor	DTC323TK	D	4802	Diode	MA8062(M)
Q	4003	Transistor	DTA124EK	D	4803	Diode	MA8062(M)
Q	4004	Transistor	DTA124EU	D	4804	Diode	MA8062(M)
Q	4005	Transistor	FMG12	D	4805	Diode	MA8062(M)
Q	4007	Transistor	DTC124EU	D	4806	Diode	MA8062(M)
Q	4008	Transistor	DTC124EU	D	4807	Diode	MA8062(M)
Q	4301	Transistor	DTC323TK	D	4808	Diode	MA8062(M)
Q	4302	Transistor	DTC323TK	L	401	Coil	CTC1029
Q	4303	Transistor	2SC2412K	L	402	Inductor	LCTA150J3225
Q	4304	Transistor	DTA124EK	L	403	Coil	CTX1049
D	501	Diode	RB706D40	L	404	Inductor	LCTB2R2K3216
D	502	Diode	MA110	L	501	Filter	CTF1333
D	503	Diode	MA153	L	502	Filter	CTF1333
D	504	Diode	KV1440	L	503	Inductor	LCTB2R2K2125
D	505	Diode	MA110	L	504	Inductor	CTF1302
D	601	Diode	MA152K	L	505	Inductor	LCTB2R2K2125
D	603	Diode	MA110	L	506	Inductor	LCTB2R2K2125
D	604	Diode	MA110	L	507	Coil	CTC1079
D	651	Diode	MA110	L	508	Inductor	LCTB1R0K2125
D	652	Diode	MA8068(H)	L	509	Inductor	LCTA101J3225
D	653	Diode	MA8056(M)	L	510	Inductor	LCTBR68K2125
D	654	Diode	MA110	L	601	Inductor	LCTB2R2K3216
D	655	Diode	MA8180(M)	L	602	Inductor	LCTB2R2K3216
D	656	Diode	MA8180(M)	L	604	Inductor	LCTB2R2K2125
D	657	Diode	MA110	L	606	Inductor	CTF1379
D	701	Diode	MA110	L	608	Inductor	CTF1379
D	702	Diode	MA110	L	612	Inductor	CTF1379
D	703	Diode	MA110	L	615	Inductor	CTF1379
D	704	Diode	MA110	L	616	Inductor	CTF1379
D	705	Diode	MA110	L	617	Inductor	CTF1379
D	706	Diode	MA110	L	618	Inductor	CTF1379
D	707	Diode	MA8082(L)	L	619	Inductor	CTF1379
D	721	Diode	MA8062(M)	L	620	Inductor	CTF1379
D	722	Diode	MA8062(M)	L	621	Inductor	CTF1379
D	802	Diode	MA153	L	622	Inductor	CTF1379
D	803	Diode	MA153	L	623	Inductor	CTF1379
D	804	Diode	MA8062(M)	L	624	Inductor	CTF1379
D	805	Diode	MA8062(M)	L	625	Inductor	CTF1379
D	806	Diode	MA8039(H)	L	626	Inductor	CTF1379
D	901	Diode	ERA15-02VH	L	627	Inductor	CTF1379
D	902	Diode	ERA15-02VH	L	628	Inductor	CTF1379
D	903	Diode	MA8056(M)	L	629	Inductor	CTF1379
D	927	Diode	ERA15-02VH	L	630	Inductor	CTF1379
D	928	Diode	MA8091(L)	L	631	Inductor	CTF1379
D	930	Diode	MA8091(M)	L	632	Inductor	CTF1379
D	931	Diode	MA8056(M)	L	633	Inductor	CTF1379
D	932	Diode	MA8091(M)	L	634	Inductor	CTF1379
D	933	Diode	MA8056(M)	L	635	Inductor	CTF1379
D	934	Diode	MA8033(H)	L	636	Inductor	CTF1379
D	935	Diode	MA8051(M)	L	637	Inductor	CTF1379
D	1002	Diode	MA110	L	638	Inductor	CTF1379
D	1801	Diode	MA152WK	L	639	Inductor	CTF1379
D	1802	Diode	MA110	L	640	Inductor	CTF1379
D	1803	Diode	MA110	L	641	Inductor	CTF1379
D	2801	Diode	MA110	L	642	Inductor	CTF1379
D	2802	Diode	MA110	L	643	Inductor	CTF1379
D	2803	Diode	MA110	L	644	Inductor	CTF1379
D	3801	Diode	MA8062(M)	L	645	Inductor	CTF1379
D	3805	Diode	MA8062(M)	L	646	Inductor	CTF1379
D	3807	Diode	MA8062(M)	L	647	Inductor	CTF1379
D	3809	Diode	MA8062(M)	L	648	Inductor	CTF1379

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
L 651 Inductor	LCTB2R2K2125	L 2801 Inductor	LCTA6R8J2520
L 652 Inductor	LCTB2R2K2125	L 2802 Inductor	CTF1379
L 653 Inductor	LCTB2R2K2125	L 2805 Inductor	LCTB101K2125
L 654 Inductor	CTF1379	L 2806 Inductor	LCTB2R2K3216
L 655 Inductor	CTF1379	L 2807 Inductor	LCTB2R2K2125
L 656 Inductor	CTF1379	L 3801 Inductor	LCTB2R2K2125
L 657 Inductor	CTF1379	L 3802 Inductor	CTF1402
L 658 Inductor	CTF1379	L 3803 Inductor	CTF1402
L 659 Inductor	CTF1379	L 3804 Inductor	CTF1402
L 660 Inductor	CTF1379	L 3805 Inductor	CTF1402
L 661 Inductor	CTF1379	L 3808 Inductor	CTF1379
L 662 Inductor	CTF1379	L 4001 Inductor	LCTB2R2K2125
L 663 Inductor	CTF1379	L 4002 Inductor	LCTB2R2K2125
L 664 Inductor	CTF1379	L 4003 Inductor	LCTB2R2K2125
L 665 Inductor	CTF1379	L 4004 Inductor	LCTB2R2K2125
L 666 Inductor	CTF1379	L 4801 Inductor	CTF1306
L 670 Inductor	CTF1379	L 4802 Inductor	CTF1306
L 675 Inductor	CTF1379	L 4803 Inductor	CTF1306
L 676 Inductor	CTF1379	L 4804 Inductor	CTF1306
L 677 Inductor	CTF1379	L 4805 Inductor	LCTB2R2K2125
L 678 Inductor	CTF1379	L 4806 Inductor	CTF1379
L 679 Inductor	CTF1379	TC 1001 Trimmer	CCCL1048
L 680 Inductor	CTF1379	TC 2801 Trimmer	CCG1039
L 689 Inductor	CTF1379	TH 401 Thermistor	TN20-3U473K
L 690 Inductor	CTF1379	X 501 Radiator 38.000kHz	CSS1372
L 695 Inductor	CTF1379	X 502 Crystal Resonator 7.2MHz	CSS1030
L 696 Inductor	CTF1379	X 601 Radiator 6.290MHz	CSS1451
L 697 Inductor	CTF1379	X 602 Radiator 6.290MHz	CSS1451
L 698 Inductor	CTF1379	X 801 Crystal Resonator 3.579545MHz	CSS1465
L 699 Inductor	CTF1379	S 601 Switch(RESET)	CSG1046
L 701 Inductor	CTF1379	S 1001 Switch(MODE)	CSH1053
L 702 Inductor	CTF1379	VR 402 Semi-fixed 47kΩ(B)	CCP1233
L 703 Inductor	CTF1379	VR 501 Semi-fixed 47kΩ(B)	CCP1233
L 704 Inductor	CTF1379	VR 502 Semi-fixed 33kΩ(B)	CCP1232
L 705 Inductor	CTF1379	VR 801 Semi-fixed 100kΩ(B)	CCP1235
L 706 Inductor	CTF1379	FU 502 Micro-Fuse 2A	CEK1190
L 707 Inductor	CTF1379	FU 701 Micro-Fuse 2A	CEK1190
L 708 Inductor	CTF1379	FU 801 Micro-Fuse 2A	CEK1190
L 709 Inductor	CTF1379	FU 803 Micro-Fuse 2A	CEK1190
L 710 Inductor	CTF1379	FU 804 Micro-Fuse 2A	CEK1190
L 711 Inductor Array	CTF1421	FU 805 Micro-Fuse 2A	CEK1190
L 801 Inductor	LCTA2R2J3225	FU 921 Micro-Fuse 1A	CEK1187
L 802 Inductor	LCTA2R2J3225	FU 922 Micro-Fuse 500mA	CEK1185
L 803 Inductor	LCTA2R2J3225	FU 3801 Micro-Fuse 2A	CEK1190
L 804 Inductor	LCTB2R2K3216	FU 3802 Micro-Fuse 2A	CEK1190
L 805 Inductor	LCTB2R2K3216	FU 4801 Micro-Fuse 2A	CEK1190
L 806 Inductor	CTF1402	FU 4802 Micro-Fuse 2A	CEK1190
L 807 Inductor	CTF1402	EF 901 Filter	CCG1051
L 902 Inductor	LCTA220J3225	EF 3801 Filter	CCG1067
L 921 Choke Coil 2mH	CTH1074	EF 3802 Filter	CCG1067
L 922 Choke Coil 100μH	CTH1157	FE 1001 TV Front End	CWB1085
L 923 Transformer	CTX1053		
L 1001 Inductor	LCTB1R0K2125		
L 1002 Inductor	LCTA2R2J3225		
L 1003 Inductor	LCTA2R2J3225		
L 1004 Inductor	LCTA2R2J3225		
L 1005 Inductor	LCTB2R2K2125		
L 1006 Inductor	LCTB2R2K3216		
L 1007 Inductor	LCTA680J3225		
L 1008 Inductor	LCTB101K2125		
L 1801 Inductor	LCTB2R2K2125		
L 1802 Inductor	LCTB2R2K3216		
L 1803 Inductor	LCTB2R2K3216		
L 1805 Inductor	LCTB101K2125		
L 1806 Inductor	LCTB2R2K3216		
L 1807 Inductor	LCTB2R2K3216		
L 1808 Inductor	LCTB2R2K3216		
L 1809 Inductor	LCTB2R2K2125		
L 1810 Inductor	LCTB2R2K2125		
L 1811 Inductor	LCTB2R2K2125		

RESISTORS

R 120	RS1/16S104J
R 121	RS1/16S473J
R 122	RS1/16S113J
R 123	RS1/16S113J
R 124	RS1/16S102J
R 125	RS1/16S512J
R 126	RS1/16S512J
R 401	RS1/16S331J
R 402	RS1/16S822J
R 403	RS1/16S104J
R 404	RS1/16S513J
R 405	RS1/16S753J
R 406	RS1/16S682J
R 408	RS1/16S132J
R 409	RS1/16S562J

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
R 410	RS1/16S154J	R 555	RS1/8S470J
R 411	RS1/16S223J	R 556	RS1/16S103J
R 412	RS1/16S682J	R 601	RS1/16S102J
R 413	RS1/16S393J	R 602	RS1/16S102J
R 414	RS1/16S103J	R 603	RS1/16S102J
R 415	RS1/16S103J	R 604	RS1/16S102J
R 417	RS1/16S622J	R 605	RS1/16S102J
R 436	RS1/10S822J	R 607	RS1/16S102J
R 437	RS1/16S473J	R 610	RS1/16S681J
R 438	RS1/16S682J	R 611	RS1/16S681J
R 439	RS1/16S103J	R 612	RS1/16S473J
R 452	RS1/16S473J	R 613	RS1/16S473J
R 453	RS1/16S473J	R 614	RS1/16S102J
R 454	RS1/16S102J	R 616	RS1/16S102J
R 455	RS1/16S821J	R 617	RS1/16S473J
R 456	RS1/16S0R0J	R 618	RS1/10S244J
R 457	RS1/16S153J	R 619	RS1/16S473J
R 458	RS1/16S0R0J	R 620	RS1/16S102J
R 501	RS1/10S471J	R 621	RS1/16S102J
R 502	RS1/10S471J	R 622	(GEX-P7000TV/UC)
R 503	RS1/16S472J	R 622	(GEX-P7000TV/ES)
R 504	RS1/16S472J	R 623	RS1/16S333J
R 505	RS1/16S361J	R 624	RS1/16S473J
R 506	RS1/16S361J	R 627	RS1/10S223J
R 507	RS1/16S223J	R 628	RS1/10S472J
R 508	RS1/16S223J	R 631	RS1/16S473J
R 509	RS1/16S681J	R 632	RS1/16S102J
R 510	RS1/16S681J	R 633	RS1/16S102J
R 511	RS1/16S0R0J	R 634	RS1/16S102J
R 512	RS1/16S0R0J	R 635	RS1/16S102J
R 513	RS1/16S681J	R 636	RS1/16S473J
R 514	RS1/16S362J	R 637	RS1/16S0R0J
R 515	RS1/16S823J	R 638	RS1/16S0R0J
R 516	RS1/16S513J	R 639	RS1/16S0R0J
R 517	RS1/16S392J	R 646	RS1/16S102J
R 518	RS1/16S102J	R 647	RS1/16S102J
R 519	RS1/16S392J	R 648	RS1/16S102J
R 520	RS1/16S102J	R 649	RS1/16S102J
R 521	RS1/16S392J	R 651	RS1/10S103J
R 522	RS1/16S103J	R 652	RS1/10S473J
R 523	RS1/16S103J	R 653	RS1/10S472J
R 524	RS1/16S103J	R 654	RS1/10S102J
R 525	RS1/16S513J	R 656	RS1/10S103J
R 526	RS1/16S101J	R 657	RS1/10S223J
R 527	RS1/16S104J	R 658	RS1/10S103J
R 528	RS1/16S104J	R 659	RS1/16S473J
R 529	RS1/16S221J	R 660	RS1/10S223J
R 530	RS1/16S123J	R 661	RS1/10S473J
R 531	RS1/16S683J	R 662	RS1/16S473J
R 532	RS1/16S472J	R 663	RS1/16S473J
R 533	RS1/16S102J	R 664	RS1/16S103J
R 534	RS1/16S102J	R 665	RS1/16S562J
R 535	RS1/16S102J	R 666	RS1/16S332J
R 536	RS1/16S223J	R 667	RS1/10S182J
R 537	RS1/16S362J	R 668	RS1/10S472J
R 538	RS1/16S681J	R 669	RS1/10S223J
R 539	RS1/16S242J	R 670	RS1/10S224J
R 540	RS1/16S822J	R 671	RS1/10S224J
R 541	RS1/16S103J	R 672	RS1/10S473J
R 542	RS1/16S103J	R 673	RS1/10S472J
R 543	RS1/16S101J	R 674	RS1/16S101J
R 546	RS1/16S332J	R 675	RS1/16S101J
R 547	RS1/16S334J	R 676	RS1/10S473J
R 548	RS1/16S560J	R 677	RS1/10S473J
R 549	RS1/16S222J	R 678	RS1/10S102J
R 550	RS1/16S104J	R 679	RS1/10S102J
R 551	RS1/16S244J	R 680	RS1/10S103J
R 552	RS1/16S154J	R 681	RS1/16S222J
R 553	RS1/16S152J	R 682	RS1/16S101J
R 554	RS1/16S331J	R 683	RS1/16S101J

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
R 684	RS1/10S620J	R 922	RS1/10S472J
R 685	RS1/10S473J	R 923	RS1/10S472J
R 686	RS1/10S473J	R 924	RS1/4S271J
R 687	RS1/10S102J	R 925	RS1/4S271J
R 688	RS1/10S102J	R 926	RS1/10S472J
R 689	RS1/10S103J	R 927	RS1/10S472J
R 690	RS1/10S473J	R 928	RS1/10S103J
R 691	RS1/10S473J	R 929	RS1/10S103J
R 692	RS1/10S103J	R 930	RS1/10S102J
R 693	RS1/10S103J	R 931	RS1/10S102J
R 694	RS1/10S473J	R 932	RS1/10S472J
R 695	RS1/10S223J	R 933	RS1/10S103J
R 696	RS1/16S473J	R 934	RS1/10S103J
R 697	RS1/10S473J	R 935	RS1/8S561J
R 698	RS1/10S473J	R 936	RS1/10S103J
R 699	RS1/10S473J	R 937	RS1/10S103J
R 701	RS1/16S472J	R 938	RS1/8S152J
R 702	RS1/10S472J	R 939	RS1/10S561J
R 703	RS1/10S472J	R 942	RS1/10S103J
R 704	RS1/10S473J	R 943	RS1/10S103J
R 705	RS1/10S223J	R 944	RS1/10S102J
R 706	RS1/10S153J	R 945	RS1/10S100J
R 707	RS1/10S103J	R 946	RS1/10S103J
R 708	RS1/10S103J	R 947	RS1/10S103J
R 721	RS1/10S102J	R 948	RS1/4S152J
R 722	RS1/10S102J	R 949	RS1/10S102J
R 801	RS1/16S0R0J	R 950	RS1/10S223J
R 802	RN1/16SE1002D	R 951	RS1/10S472J
R 805	RS1/16S102J	R 952	RS1/10S560J
R 806	RS1/16S222J	R 953	RS1/10S181J
R 807	RS1/16S123J	R 954	RS1/16S104J
R 808	RS1/16S222J	R 1001	RS1/16S102J
R 809	RS1/16S222J	R 1002	RS1/16S102J
R 810	RS1/16S101J	R 1003	RS1/16S102J
R 811	RS1/16S101J	R 1004	RS1/16S102J
R 812	RS1/10S103J	R 1005	RS1/10S102J
R 813	RS1/10S471J	R 1007	RS1/10S101J
R 814	RS1/10S471J	R 1008	RS1/10S471J
R 815	RS1/10S471J	R 1010	RS1/10S103J
R 816	RS1/10S471J	R 1011	RS1/10S103J
R 817	RS1/16S471J	R 1012	RS1/10S103J
R 818	RS1/16S102J	R 1013	RS1/10S103J
R 819	RS1/16S102J	R 1014	RS1/10S102J
R 820	RS1/16S0R0J	R 1015	RS1/10S102J
R 822	RS1/16S683J	R 1016	RS1/10S102J
R 823	RS1/16S473J	R 1017	RS1/10S102J
R 824	RS1/16S750J	R 1018	RS1/16S103J
R 825	RS1/16S750J	R 1019	RS1/16S391J
R 827	RS1/16S102J	R 1020	RS1/16S105J
R 828	RS1/16S102J	R 1022	RS1/16S223J
R 829	RS1/16S471J	R 1023	RS1/16S393J
R 830	RS1/16S471J	R 1024	RN1/16SE1202D
R 831	RS1/16S471J	R 1025	RS1/10S151J
R 832	RS1/16S750J	R 1026	RS1/10S473J
R 833	RS1/16S750J	R 1027	RS1/10S223J
R 834	RS1/10S101J	R 1029	RS1/10S0R0J
R 835	RS1/16S101J	R 1030	RS1/10S0R0J
R 836	RS1/16S472J	R 1031	RS1/16S124J
R 837	RS1/16S472J	R 1032	RS1/16S273J
R 838	RS1/16S101J	R 1033	RS1/16S331J
R 839	RS1/16S101J	R 1034	RS1/16S224J
R 840	RS1/16S101J	R 1035	RS1/16S104J
R 841	RS1/16S103J	R 1036	RS1/16S821J
R 842	RS1/16S103J	R 1037	RS1/16S273J
R 843	RS1/16S102J	R 1038	RS1/16S105J
R 844	RS1/16S683J	R 1801	RS1/10S102J
R 845	RS1/16S473J	R 1802	RS1/16S102J
R 901	RS1/10S272J	R 1803	RS1/10S102J
R 902	RS1/10S822J	R 1804	RS1/16S331J
R 921	RS1/10S472J	R 1805	RS1/16S102J

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
R 1806	RS1/16S331J	R 4016	RS1/16S104J
R 1807	RS1/16S102J	R 4017	RS1/16S104J
R 1808	RS1/16S331J	R 4018	RS1/16S104J
R 1809	RS1/16S102J	R 4019	RS1/16S104J
R 1811	RS1/10S0R0J	R 4020	RS1/16S104J
R 1812	RS1/10S332J	R 4021	RS1/16S102J
R 1815	RS1/10S681J	R 4022	RS1/16S102J
R 1816 (RN1/10SE1002D)	GGC1320	R 4023	RS1/16S222J
R 1817 (RN1/10SE1002D)	GGC1320	R 4024	RS1/16S222J
R 1818	RS1/16S750J	R 4025	RS1/16S102J
R 1819	RS1/16S750J	R 4026	RS1/16S102J
R 1820	RS1/16S750J	R 4027	RS1/16S222J
R 1821	RS1/16S750J	R 4028	RS1/16S222J
R 1822	RS1/16S101J	R 4029	RS1/16S821J
R 1823	RS1/16S101J	R 4030	RS1/16S821J
R 1824	RS1/16S101J	R 4031	RS1/10S223J
R 2801	RS1/16S102J	R 4032	RS1/10S223J
R 2802	RS1/16S102J	R 4033	RS1/16S102J
R 2803	RS1/16S102J	R 4034	RS1/16S102J
R 2805	RS1/16S472J	R 4035	RS1/16S104J
R 2806	RS1/16S751J	R 4036	RS1/16S104J
R 2807	RS1/16S472J	R 4037	RS1/16S104J
R 2808	RS1/16S751J	R 4038	RS1/16S104J
R 2809	RS1/16S472J	R 4039	RS1/16S104J
R 2810	RS1/16S751J	R 4040	RS1/16S104J
R 2811	RS1/16S681J	R 4041	RS1/16S102J
R 2812	RS1/16S681J	R 4042	RS1/16S102J
R 2820	RS1/10S102J	R 4043	RS1/16S222J
R 2821	RS1/16S153J	R 4044	RS1/16S222J
R 2822	RS1/16S102J	R 4045	RS1/16S102J
R 2830	RS1/10S681J	R 4046	RS1/16S102J
R 2831 (RN1/10SE1002D)	GGC1320	R 4047	RS1/16S222J
R 2832	RS1/16S681J	R 4048	RS1/16S222J
R 2833 (RN1/10SE1002D)	GGC1320	R 4049	RS1/16S821J
R 3801	RS1/10S0R0J	R 4050	RS1/16S821J
R 3805	RS1/16S0R0J	R 4051	RS1/16S223J
R 3806	RS1/10S473J	R 4052	RS1/16S223J
R 3807	RS1/16S223J	R 4053	RS1/10S103J
R 3812	RS1/16S473J	R 4054	RS1/10S103J
R 3815	RS1/16S0R0J	R 4055	RS1/16S102J
R 3816	RS1/16S223J	R 4056	RS1/16S102J
R 3818	RS1/16S223J	R 4057	RS1/16S222J
R 3819	RS1/16S471J	R 4058	RS1/16S222J
R 3820	RS1/16S103J	R 4059	RS1/16S102J
R 3822	RS1/16S471J	R 4060	RS1/16S102J
R 3825	RS1/16S0R0J	R 4061	RS1/16S222J
R 3826	RS1/16S0R0J	R 4062	RS1/16S222J
R 3829	RS1/16S750J	R 4201	RS1/10S102J
R 3830	RS1/16S750J	R 4202	RS1/10S102J
R 3831	RS1/16S750J	R 4203	RS1/10S223J
R 3832	RS1/16S750J	R 4204	RS1/10S223J
R 3834	RS1/16S471J	R 4205	RS1/10S102J
R 3835	RS1/16S471J	R 4206	RS1/10S102J
R 3836	RS1/16S223J	R 4301	RS1/10S104J
R 3838	RS1/16S0R0J	R 4302	RS1/10S104J
R 4001	RS1/16S272J	R 4303	RS1/10S104J
R 4002	RS1/16S272J	R 4304	RS1/10S104J
R 4003	RS1/16S272J	R 4309	RS1/16S821J
R 4004	RS1/16S272J	R 4310	RS1/10S821J
R 4005	RS1/16S222J	R 4311	RS1/10S223J
R 4006	RS1/16S222J	R 4312	RS1/10S223J
R 4007	RS1/16S222J	R 4313	RS1/10S104J
R 4008	RS1/16S222J	R 4314	RS1/10S102J
R 4009	RS1/16S102J	R 4315	RS1/10S473J
R 4010	RS1/16S102J	R 4316	RS1/16S223J
R 4011	RS1/16S102J	R 4317	RS1/16S223J
R 4012	RS1/16S102J	R 4801	RS1/16S0R0J
R 4013	RS1/16S220J	R 4802	RS1/16S0R0J
R 4014	RS1/16S220J	R 4804	RS1/16S0R0J
R 4015	RS1/16S104J	R 4805	RS1/16S471J

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
R 4806	RS1/16S473J	C 533	CKSRYB103K25
R 4808	RS1/16S0R0J	C 534	CEV101M10
R 4811	RS1/16S471J	C 535	CCH1286
R 4812	RS1/16S471J	C 536	CKSRYB473K16
R 4813	RS1/16S471J	C 537	CEV470M6R3
R 4814	RS1/16S471J	C 538	CKSRYB104K16
CAPACITORS		C 539	CCSRCH180J50
C 118	CKSYB106K6R3	C 540	CKSRYB103K25
C 119	CKSYB106K6R3	C 541	CCSQCH1R0C50
C 121	CKSRYB223K25	C 542	CCSQCH100D50
C 122	CKSRYB223K25	C 543	CCSRCH330J50
C 401	CKSRYB103K25	C 544	CCSRCH180J50
C 402	CKSRYB223K25	C 545	CKSRYB104K16
C 403	CKSQYB105K16	C 546	CCSQCH1R0C50
C 404	CCSRCH220J50	C 547	CKSRYB103K25
C 405	CKSRYB473K16	C 548	CCSQCH3R0C50
C 406	CKSRYB103K25	C 549	CKSRYB103K25
C 407	CKSRYB103K25	C 550	CEJA220M16
C 408	CKSQYB105K16	C 551	CKSRYB473K16
C 409	CKSRYB223K25	C 552	CKSRYB103K25
C 410	CKSRYB104K16	C 604	CKSRYB102K50
C 411	CKSRYB103K25	C 605	CKSQYB105K16
C 412	CKSRYB223K25	C 606	CKSQYB473K16
C 413	CKSRYB103K25	C 607	CKSQYB473K16
C 424	CKSRYB103K25	C 609	CKSQYB102K50
C 425	CEV220M10	C 610	CKSQYB473K16
C 426	CKSRYB102K50	C 611	CKSQYB473K16
C 427	CKSRYB682K25	C 612	CKSQYB103K25
C 428	CKSQYB272K50	C 651	CKSQYB103K25
C 429	CKSQYB105K16	C 652	CEJA100M16
C 430	CKSRYB103K25	C 653	CKSRYB102K50
C 431	CKSYB106K6R3	C 654	CKSQYB105K16
C 432	CCSRCH101J50	C 655	CKSQYB104K16
C 436	CKSQYB105K16	C 656	CKSQYB104K16
C 437	CKSYB106K6R3	C 657	CKSQYB104K16
C 451	CKSRYB332K50	C 801	CKSQYB105K16
C 452	CKSYB106K6R3	C 802	CKSQYB105K16
C 456	CKSYB106K6R3	C 803	CKSRYB104K16
C 501	CKSRYB102K50	C 804	CEJA100M16
C 502	CKSRYB102K50	C 805	CKSQYB105K16
C 505	CKSRYB392K50	C 806	CKSRYB472K50
C 506	CKSRYB392K50	C 807	CKSQYB105K16
C 507	CKSRYB102K50	C 808	CKSQYB105K16
C 508	CKSRYB102K50	C 809	CEJA470M10
C 509	CKSRYB103K25	C 810	CKSRYB104K16
C 510	CKSQYB105K16	C 811	CKSQYB105K16
C 512	CKSYB106K6R3	C 812	CKSYB475K10
C 513	CKSQYB105K16	C 813	CKSQYB105K16
C 514	CKSYB106K6R3	C 814	CKSQYB104K16
C 515	CKSRYB103K25	C 815	CCSQSL471J50
C 516	CCSRCH120J50	C 816	CKSQYB474K16
C 517	CKSRYB103K25	C 817	CCSQCH180J50
C 518	CCSRCH101J50	C 819	CEJANP100M10
C 519	CKSQYB474K16	C 820	CKSRYB103K25
C 520	CCSRCH160J50	C 823	CKSYB106K6R3
C 521	CKSYB106K6R3	C 825	CKSRYB103K25
C 522	CEV220M10	C 826	CKSYB106K6R3
C 523	CKSQYB474K16	C 828	CCH1182
C 524	CKSYB106K6R3	C 831	CCH1182
C 525	CKSRYB104K16	C 832	CKSYB106K6R3
C 526	CKSQYB105K16	C 833	CKSRYB223K25
C 527	CCSRCH271J50	C 834	CKSQYB105K10
C 528	CCSQCH162J50	C 835	CEVNP100M10
C 529	CKSQYB105K16	C 836	CEVNP100M10
C 530	CKSRYB104K16	C 837	CKSRYB104K16
C 531	CCSRCH270J50		
C 532	CCSRCH270J50		

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
C 838	CKSRYB104K16	C 1017	CCSRTH180J50
C 839	CKSRYB104K16	C 1018	CKSRYB102K50
C 840	CKSRYB104K16	C 1019	CKSRYB102K50
C 841	CKSRYB104K16	C 1020	CKSRYB102K50
C 842	CKSRYB104K16	C 1021	CKSRYB102K50
C 843	CKSRYB104K16	C 1022	CKSQYB224K16
C 844	CKSRYB104K16	C 1023	CKSQYB152K50
C 845	CKSRYB104K16	C 1024	CKSQYB102K50
C 846	CKSRYB104K16	C 1025	CKSQYB102K50
C 847	CKSRYB104K16	C 1026	CKSQYB223K25
C 848	CKSRYB104K16	C 1027	CEJA470M6R3
C 849	CKSYB106K6R3	C 1028	CKSQYB103K25
C 901 4700μF/16V	CCH1188	C 1029	CKSQYB103K25
C 902	CKSQYB104K16	C 1030	CKSRYB223K25
C 903 1000μF/16V	CCH1185	C 1031	CEV100M16
C 904	CKSQYB103K25	C 1032	CCSRCH101J50
C 905	CEJA220M16	C 1033	CKSRYB103K25
C 906	CKSQYB103K25	C 1034	CKSRYB153K25
C 907	CEJA220M16	C 1035	CCSRCH560J50
C 921	CEJA220M10	C 1036	CKSRYB223K25
C 922	CEAS471M25	C 1037	CKSRYB104K16
C 923	CEAS101M25	C 1038	CKSQYB223K25
C 924	CKSQYB103K25	C 1041	CKSQYB333K25
C 925	CKSQYB103K25	C 1042	CKSQYB333K25
C 926	CEJA330M10	C 1043	CKSQYB333K25
C 927	CKSQYB103K25	C 1044	CKSQYB333K25
C 928	CEJA330M10	C 1801	CKSQYB104K16
C 929	CKSQYB473K16	C 1802	CKSQYB105K16
C 930	CKSQYB103K25	C 1803	CKSQYB105K16
C 931	CKSQYB103K25	C 1804	CKSQYB105K16
C 932	CEJA100M16	C 1805	CKSQYB105K16
C 933	CKSQYB473K16	C 1806	CKSQYB105K16
C 934	CEV330M10	C 1807	CKSQYB105K16
C 935	CKSQYB473K16	C 1808	CKSQYB103K25
C 936	CKSQYB473K16	C 1809	CEJA100M16
C 937	CEV220M10	C 1810	CKSQYB103K25
C 938	CKSQYB473K16	C 1811	CKSQYB105K16
C 939	CEV330M10	C 1812	CKSQYB105K16
C 940	CKSQYB103K25	C 1813	CKSQYB105K16
C 941	CKSQYB103K50	C 1814	CKSQYB105K16
C 942	CEJA4R7M35	C 1815	CKSQYB105K16
C 943	CEJA4R7M35	C 1816	CKSQYB105K16
C 944	CKSQYB103K50	C 1817	CKSQYB103K25
C 945	CKSQYB104K50	C 1818	CKSYB106K6R3
C 946	CEJA101M16	C 1819	CKSRYB103K25
C 947	CKSQYB103K25	C 1821	CKSQYB105K16
C 948	CKSQYB104K16	C 1822	CKSQYB105K16
C 949	CKSQYB103K25	C 1823	CKSQYB105K16
C 950	CEAS221M10	C 1824	CCSQCH100J50
C 951 470μF/10V	CCH1019	C 1825	CCSQL471J50
C 952	CKSQYB473K16	C 1826	CCSQCH100J50
C 953 470μF/10V	CCH1019	C 1827	CKSQYB104K16
C 954	CEJA1R0M50	C 1828	CKSYB106K6R3
C 955	CEJA220M10	C 1829	CKSQYB470K50
C 956	CKSQYB104K16	C 1830	CEV470M6R3
C 957 470μF/10V	CCH1019	C 1831	CEV470M6R3
C 958	CEJA101M10	C 1832	CEV470M6R3
C 1001	CKSQYB103K50	C 1833	CKSRYB103K25
C 1002	CEAS220M50	C 1834	CEV100M16
C 1003	CKSQYB473K16	C 1835	CKSRYB103K25
C 1004 470μF/10V	CCH1019	C 1836	CKSQYB105K16
C 1005 470μF/10V	CCH1019	C 1837	CKSRYB103K25
C 1006	CKSQYB103K25	C 1838	CKSYB106K6R3
C 1009	CKSQYB103K25	C 1839	CKSRYB103K25
C 1010 470μF/10V	CCH1019	C 1840 470μF/10V	CCH1019
C 1011	CKSQYB103K25	C 1841	CKSYB106K6R3
C 1013	CEJA100M16	C 1842	CKSYB106K6R3
C 1014	CKSQYB223K25	C 1843	CKSQYB103K25
C 1015	CKSRYB153K25	C 1844	CKSQYB103K25
C 1016	CKSRYB102K50	C 1845	CKSYB106K6R3

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
C 1846	CCSRCH221J50	C 4041	CKSQYB105K16
C 1847	CCSRCH221J50	C 4042	CKSQYB105K16
C 1848	CCSRCH221J50	C 4043	CCSRCH151J50
C 2801	CKSQYB105K16	C 4044	CCSRCH151J50
C 2802	CCSRUJ121J50	C 4045	CCSRCH151J50
C 2803	CCSRUJ101J50	C 4046	CCSRCH151J50
C 2806	CKSRYB103K25	C 4047	CKSQYB105K16
C 2807	CASQA150K16	C 4048	CKSQYB105K16
C 2816	CCSQCH100J50	C 4049	CKSRYB222K50
C 2817	CCSQL471J50	C 4050	CKSRYB222K50
C 2818	CCSQCH100J50	C 4051	CEJA101M10
C 2819	CKSQYB104K16	C 4052	CEJA100M16
C 2820	CKSYB106K6R3	C 4053	CEJA101M10
C 2821	CKSYB106K6R3	C 4055	CCSRCH151J50
C 2822	CKSRYB103K25	C 4056	CCSRCH151J50
C 2823	CKSRYB103K25	C 4057	CCSRCH151J50
C 2824	CKSYB106K6R3	C 4058	CCSRCH151J50
C 2825	CKSRYB104K16	C 4201	CEJA1R0M50
C 2830	CKSYB106K6R3	C 4202	CEJA1R0M50
C 2831	CKSQYB183J50	C 4203	CEJA1R0M50
C 3802	CKSRYB104K16	C 4204	CEJA1R0M50
C 4001	CCSRSL471J50	C 4205	CEJANP100M10
C 4002	CCSRSL471J50	C 4206	CEJANP100M10
C 4003	CCSQL471J50	C 4207	CEJA220M16
C 4004	CCSRSL471J50	C 4208	CEJA100M16
C 4005	CCSRSL471J50	C 4301	CEJA100M16
C 4006	CCSRSL471J50	C 4302	CEJA100M16
C 4007	CCSRSL471J50	C 4309	CEJA100M16
C 4008	CCSRSL471J50	C 4310	CEJA100M16
C 4009	CKSQYB105K16	C 4311	CKSQYB222K50
C 4010	CKSQYB105K16	C 4312	CKSQYB222K50
C 4011	CKSQYB105K16	C 4313	CEJA220M10
C 4012	CKSQYB105K16	C 4314	CEJA220M10
C 4013	CEJA220M16	C 4801	CKSRYB104K16
C 4014	CEJA220M16		
C 4015	CKSQYB105K16		
C 4016	CKSQYB105K16		
C 4017	CEV101M10		
C 4018	CEJA101M10		
C 4019	CKSQYB105K16		
C 4020	CKSQYB105K16		
C 4021	CKSQYB105K16		
C 4022	CKSQYB105K16		
C 4023	CKSQYB105K16		
C 4024	CKSQYB105K16		
C 4025	CCSRCH151J50		
C 4026	CCSRCH151J50		
C 4027	CCSRCH151J50		
C 4028	CCSRCH151J50		
C 4029	CKSQYB105K16		
C 4030	CKSQYB105K16		
C 4031	CKSQYB222K50		
C 4032	CKSQYB222K50		
C 4033	CEV101M10		
C 4034	CKSYB106K6R3		
C 4035	CEV101M10		
C 4037	CKSQYB105K16		
C 4038	CKSQYB105K16		
C 4039	CKSQYB105K16		
C 4040	CKSQYB105K16		

Unit Number:CWM6346(GEX-P7000TVP/EW)
Unit Number:CWM6511(GEX-P7000TVP/ES)
Unit Name :TV Modulator Unit

MISCELLANEOUS

IC 402	IC	BA7046F
IC 403	IC	LA2120M
IC 404	IC	TC7SH04F
IC 405	IC	TC7SH08F
IC 406	IC	TA75S393F
IC 501	IC	BA1404F
IC 502	IC	BA4560F
IC 503	IC	BU2611AFS
IC 601	IC	PE5039A
IC 602	IC	PE5040A
IC 603	IC	S-80734ANDYI
IC 604	IC	TC7SH32FU
IC 651	IC	CA0008AM
IC 652	IC	CA0008AM
IC 801	IC	CXA2060BS
IC 802	IC	BA7623F
IC 803	IC	NJM2246M
IC 921	IC	TK11819M
IC 951	IC	NJM78L06A
IC 1001	IC	PM0013AM
IC 1801	IC	TC4S30F
IC 1802	IC	BA7603F
IC 1803	IC	BA7603F
IC 1804	IC	TC74HC123AF
IC 1805	IC	NJM2267V

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
IC 1806 IC	NJM2267V	Q 934 Transistor	2SA1037K
IC 1807 IC	NJM2235M	Q 935 Transistor	2SD2396
IC 2801 IC	PD5448B	Q 936 Transistor	2SD1760F5
IC 2804 IC	TC74HC123AF	Q 937 Transistor	2SB710A
IC 2805 IC	TC7SH04F	Q 938 Transistor	DTC114EK
IC 2806 IC	NJM2235M	Q 939 Transistor	DTC114EU
IC 3801 IC	TC7W34FU	Q 1001 Transistor	2SA1037K
IC 4001 IC	BA3121F	Q 1002 Transistor	2SA1037K
IC 4002 IC	BA3121F	Q 1003 Transistor	2SA1037K
IC 4003 IC	BA3131FS	Q 1004 Transistor	2SA1037K
IC 4004 IC	BA3131FS	Q 1005 Transistor	2SA1037K
IC 4201 IC	TA2050S	Q 1006 Transistor	FMW2
IC 4301 IC	BA3129F	Q 1801 Transistor	2SA1576
IC 4801 IC	TC7W34FU	Q 1802 Transistor	2SA1576
Q 653 Transistor	2SC2412K	Q 1803 Transistor	2SA1576
Q 654 Transistor	2SC4081	Q 2801 Transistor	2SC4081
Q 655 Transistor	DTC124EU	Q 3802 Transistor	2SC4081
Q 656 Transistor	2SA1037K	Q 3804 Transistor	2SC4081
Q 657 Transistor	2SC2412K	Q 3805 Transistor	DTC124EU
Q 658 Transistor	2SC3295	Q 4001 Transistor	DTC323TK
Q 659 Transistor	2SC2412K	Q 4002 Transistor	DTC323TK
Q 660 Transistor	2SC2412K	Q 4003 Transistor	DTA124EK
Q 661 Transistor	2SC2412K	Q 4004 Transistor	DTA124EU
Q 662 Transistor	2SC2412K	Q 4005 Transistor	FMG12
Q 701 Transistor	DTC114TK	Q 4007 Transistor	DTC124EU
Q 702 Transistor	DTC114TK	Q 4008 Transistor	DTC124EU
Q 703 Transistor	DTC114TK	Q 4301 Transistor	DTC323TK
Q 704 Transistor	2SC2412K	Q 4302 Transistor	DTC323TK
Q 801 Transistor	2SC4081	Q 4303 Transistor	2SC2412K
Q 802 Transistor	2SC4081	Q 4304 Transistor	DTA124EK
Q 803 Transistor	2SA1037K	D 401 Diode	MA110
Q 804 Transistor	2SA1037K	D 501 Diode	RB706D40
Q 805 Transistor	2SA1576	D 502 Diode	MA110
Q 806 Transistor	2SA1576	D 503 Diode	MA153
Q 807 Transistor	2SC4081	D 504 Diode	KV1440
Q 808 Transistor	2SC4081	D 505 Diode	MA110
Q 106 Transistor	2SC4081	D 601 Diode	MA152K
Q 402 Transistor	2SC4081	D 603 Diode	MA110
Q 451 Transistor	2SC4081	D 604 Diode	MA110
Q 501 Transistor	DTC124EU	D 651 Diode	MA110
Q 502 Transistor	2SC4081	D 652 Diode	MA8068(H)
Q 503 Transistor	2SC4081	D 653 Diode	MA8056(M)
Q 504 Transistor	2SC2059K	D 654 Diode	MA110
Q 505 Transistor	2SC2059K	D 655 Diode	MA8180(M)
Q 506 Transistor	2SC2059K	D 656 Diode	MA8180(M)
Q 602 Transistor	2SA1037K	D 657 Diode	MA110
Q 651 Transistor	2SA1037K	D 701 Diode	MA110
Q 652 Transistor	2SC2412K	D 702 Diode	MA110
Q 809 Transistor	2SC4081	D 703 Diode	MA110
Q 810 Transistor	DTC124EU	D 704 Diode	MA110
Q 811 Transistor	DTC124EU	D 705 Diode	MA110
Q 812 Transistor	DTC124EU	D 706 Diode	MA110
Q 813 Transistor	DTC314TU	D 707 Diode	MA8082(L)
Q 814 Transistor	DTC314TU	D 721 Diode	MA8062(M)
Q 901 Transistor	DTA124EK	D 722 Diode	MA8062(M)
Q 902 Transistor	DTC124EK	D 802 Diode	MA153
Q 903 Transistor	2SD1664	D 803 Diode	MA153
Q 921 Transistor	2SA1797	D 804 Diode	MA8062(M)
Q 922 Transistor	2SC2412K	D 805 Diode	MA8062(M)
Q 923 Transistor	2SA1797	D 806 Diode	MA8039(H)
Q 924 Transistor	2SC2412K	D 901 Diode	ERA15-02VH
Q 925 Transistor	2SA1037K	D 902 Diode	ERA15-02VH
Q 926 Transistor	DTC114EK	D 903 Diode	MA8056(M)
Q 927 Transistor	2SD1760F5	D 927 Diode	ERA15-02VH
Q 928 Transistor	2SA1037K	D 928 Diode	MA8091(L)
Q 929 Transistor	DTC114EK	D 930 Diode	MA8091(M)
Q 930 Transistor	2SD2396	D 931 Diode	MA8056(M)
Q 931 Transistor	2SD1760F5	D 932 Diode	MA8091(M)
Q 932 Transistor	2SA1037K	D 933 Diode	MA8056(M)
Q 933 Transistor	DTC114EK	D 934 Diode	MA8033(H)

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
D 935 Diode	MA8051(M)	L 636 Inductor	CTF1379
D 1801 Diode	MA152WK	L 637 Inductor	CTF1379
D 1802 Diode	MA110	L 638 Inductor	CTF1379
D 1803 Diode	MA110	L 639 Inductor	CTF1379
D 2801 Diode	MA110	L 640 Inductor	CTF1379
D 2802 Diode	MA110	L 641 Inductor	CTF1379
D 2803 Diode	MA110	L 642 Inductor	CTF1379
D 3801 Diode	MA8062(M)	L 643 Inductor	CTF1379
D 3805 Diode	MA8062(M)	L 644 Inductor	CTF1379
D 3807 Diode	MA8062(M)	L 645 Inductor	CTF1379
D 3809 Diode	MA8062(M)	L 646 Inductor	CTF1379
D 3810 Diode	MA8062(M)	L 647 Inductor	CTF1379
D 3811 Diode	MA8062(M)	L 648 Inductor	CTF1379
D 3812 Diode	MA8062(M)	L 651 Inductor	LCTB2R2K2125
D 4001 Diode	MA110	L 652 Inductor	LCTB2R2K2125
D 4002 Diode	MA110	L 653 Inductor	LCTB2R2K2125
D 4003 Diode	MA8120(H)	L 654 Inductor	CTF1379
D 4004 Diode	MA8120(H)	L 655 Inductor	CTF1379
D 4301 Diode	MA8039(H)	L 656 Inductor	CTF1379
D 4801 Diode	MA8062(M)	L 657 Inductor	CTF1379
D 4802 Diode	MA8062(M)	L 658 Inductor	CTF1379
D 4803 Diode	MA8062(M)	L 659 Inductor	CTF1379
D 4804 Diode	MA8062(M)	L 660 Inductor	CTF1379
D 4805 Diode	MA8062(M)	L 661 Inductor	CTF1379
D 4806 Diode	MA8062(M)	L 662 Inductor	CTF1379
D 4807 Diode	MA8062(M)	L 663 Inductor	CTF1379
D 4808 Diode	MA8062(M)	L 664 Inductor	CTF1379
L 403 Coil	CTX1049	L 665 Inductor	CTF1379
L 404 Inductor	LCTB2R2K3216	L 666 Inductor	CTF1379
L 405 Inductor	LCTB2R2K2125	L 670 Inductor	CTF1379
L 406 Inductor	LCTB2R2K2125	L 675 Inductor	CTF1379
L 407 Inductor	LCTB2R2K2125	L 676 Inductor	CTF1379
L 408 Inductor	LCTB2R2K2125	L 677 Inductor	CTF1379
L 501 Filter	CTF1333	L 678 Inductor	CTF1379
L 502 Filter	CTF1333	L 679 Inductor	CTF1379
L 503 Inductor	LCTB2R2K2125	L 680 Inductor	CTF1379
L 504 Inductor	CTF1302	L 689 Inductor	CTF1379
L 505 Inductor	LCTB2R2K2125	L 690 Inductor	CTF1379
L 506 Inductor	LCTB2R2K2125	L 695 Inductor	CTF1379
L 507 Coil	CTC1079	L 696 Inductor	CTF1379
L 508 Inductor	LCTB1R0K2125	L 697 Inductor	CTF1379
L 509 Inductor	LCTA101J3225	L 698 Inductor	CTF1379
L 510 Inductor	LCTBR68K2125	L 699 Inductor	CTF1379
L 601 Inductor	LCTB2R2K3216	L 701 Inductor	CTF1379
L 602 Inductor	LCTB2R2K3216	L 702 Inductor	CTF1379
L 604 Inductor	LCTB2R2K2125	L 703 Inductor	CTF1379
L 606 Inductor	CTF1379	L 704 Inductor	CTF1379
L 608 Inductor	CTF1379	L 705 Inductor	CTF1379
L 612 Inductor	CTF1379	L 706 Inductor	CTF1379
L 615 Inductor	CTF1379	L 707 Inductor	CTF1379
L 616 Inductor	CTF1379	L 708 Inductor	CTF1379
L 617 Inductor	CTF1379	L 709 Inductor	CTF1379
L 618 Inductor	CTF1379	L 710 Inductor	CTF1379
L 619 Inductor	CTF1379	L 711 Inductor	CTF1421
L 620 Inductor	CTF1379	L 801 Inductor	LCTA2R2J3225
L 621 Inductor	CTF1379	L 802 Inductor	LCTA2R2J3225
L 622 Inductor	CTF1379	L 803 Inductor	LCTA2R2J3225
L 623 Inductor	CTF1379	L 804 Inductor	LCTB2R2K3216
L 624 Inductor	CTF1379	L 805 Inductor	LCTB2R2K3216
L 625 Inductor	CTF1379	L 806 Inductor	CTF1402
L 626 Inductor	CTF1379	L 807 Inductor	CTF1402
L 627 Inductor	CTF1379	L 902 Inductor	LCTA220J3225
L 628 Inductor	CTF1379	L 921 Choke Coil 2mH	CTH1074
L 629 Inductor	CTF1379	L 922 Choke Coil 100μH	CTH1157
L 630 Inductor	CTF1379	L 923 Transformer	CTX1053
L 631 Inductor	CTF1379	L 1001 Inductor	LCTB1R0K2125
L 632 Inductor	CTF1379	L 1002 Inductor	LCTA2R2J3225
L 633 Inductor	CTF1379	L 1003 Inductor	LCTA2R2J3225
L 634 Inductor	CTF1379	L 1004 Inductor	LCTA2R2J3225
L 635 Inductor	CTF1379	L 1005 Inductor	LCTB2R2K2125

====Circuit Symbol and No.====Part Name	Part No.	====Circuit Symbol and No.====Part Name	Part No.
L 1006 Inductor	LCTB2R2K3216	RESISTORS	
L 1801 Inductor	LCTB2R2K2125	R 120	RS1/16S104J
L 1802 Inductor	LCTB2R2K3216	R 121	RS1/16S473J
L 1803 Inductor	LCTB2R2K3216	R 122	RS1/16S113J
L 1805 Inductor	LCTB101K2125	R 123	RS1/16S113J
		R 124	RS1/16S102J
L 1806 Inductor	LCTB2R2K3216		
L 1807 Inductor	LCTB2R2K3216	R 125	RS1/16S512J
L 1808 Inductor	LCTB2R2K3216	R 126	RS1/16S512J
L 1809 Inductor	LCTB2R2K2125	R 420	RS1/16S473J
L 1810 Inductor	LCTB2R2K2125	R 421	RS1/16S473J
		R 423	RS1/16S472J
L 1811 Inductor	LCTB2R2K2125		
L 2801 Inductor	LCTA6R8J2520	R 425	RS1/16S331J
L 2802 Inductor	CTF1379	R 426	RS1/16S474J
L 2805 Inductor	LCTB101K2125	R 427	RS1/16S103J
L 2806 Inductor	LCTB2R2K3216	R 428	RS1/16S474J
		R 429	RN1/10SE1303D
L 2807 Inductor	LCTB2R2K2125		
L 3801 Inductor	LCTB2R2K2125	R 430	RS1/16S103J
L 3802 Inductor	CTF1402	R 431	RS1/16S102J
L 3803 Inductor	CTF1402	R 433	RS1/16S102J
L 3804 Inductor	CTF1402	R 434	RS1/16S102J
		R 435	RS1/10S222J
L 3805 Inductor	CTF1402		
L 3808 Inductor	CTF1379	R 436	RS1/10S822J
L 4001 Inductor	LCTB2R2K2125	R 437	RS1/16S473J
L 4002 Inductor	LCTB2R2K2125	R 438	RS1/16S682J
L 4003 Inductor	LCTB2R2K2125	R 439	RS1/16S103J
		R 440	RS1/16S102J
L 4004 Inductor	LCTB2R2K2125		
L 4801 Inductor	CTF1306	R 441	RS1/16S104J
L 4802 Inductor	CTF1306	R 442	RS1/16S683J
L 4803 Inductor	CTF1306	R 443	RS1/16S393J
L 4804 Inductor	CTF1306	R 452	RS1/16S473J
		R 453	RS1/16S473J
L 4805 Inductor	LCTB2R2K2125		
L 4806 Inductor	CTF1379	R 454	RS1/16S102J
TC 1001 Trimmer	CCL1048	R 455	RS1/16S821J
TC 2801 Trimmer	CCG1039	R 458	RS1/16S222J
X 501 Radiator 38.000kHz	CSS1372	R 459	RS1/16S912J
		R 501	RS1/10S471J
X 502 Crystal Resonator 7.2MHz	CSS1030		
X 601 Radiator 6.290MHz	CSS1451	R 502	RS1/10S471J
X 602 Radiator 6.290MHz	CSS1451	R 503	RS1/16S472J
X 801 Crystal Resonator 3.579545MHz	CSS1465	R 504	RS1/16S472J
X 802 Crystal Resonator 4.433619MHz	CSS1460	R 505	RS1/16S361J
		R 506	RS1/16S361J
S 601 Switch(RESET)	CSG1046		
S 1001 Switch(MODE)	CSH1053		
VR 501 Semi-fixed 47kΩ(B)	CCP1233	R 507	RS1/16S223J
VR 502 Semi-fixed 33kΩ(B)	CCP1232	R 508	RS1/16S223J
VR 801 Semi-fixed 100kΩ(B)	CCP1235	R 509	RS1/16S681J
		R 510	RS1/16S681J
FU 502 Micro-Fuse 2A	CEK1190	R 511	RS1/16S0R0J
FU 701 Micro-Fuse 2A	CEK1190		
FU 801 Micro-Fuse 2A	CEK1190	R 512	RS1/16S0R0J
FU 803 Micro-Fuse 2A	CEK1190	R 513	RS1/16S681J
FU 804 Micro-Fuse 2A	CEK1190	R 514	RS1/16S362J
		R 515	RS1/16S823J
FU 805 Micro-Fuse 2A	CEK1190	R 516	RS1/16S513J
FU 921 Micro-Fuse 1A	CEK1187		
FU 922 Micro-Fuse 500mA	CEK1185	R 517	RS1/16S392J
FU 3801 Micro-Fuse 2A	CEK1190	R 518	RS1/16S102J
FU 3802 Micro-Fuse 2A	CEK1190	R 519	RS1/16S392J
		R 520	RS1/16S102J
FU 4801 Micro-Fuse 2A	CEK1190	R 521	RS1/16S392J
FU 4802 Micro-Fuse 2A	CEK1190		
EF 901 Filter	CCG1051	R 522	RS1/16S103J
EF 3801 Filter	CCG1067	R 523	RS1/16S103J
EF 3802 Filter	CCG1067	R 524	RS1/16S103J
		R 525	RS1/16S513J
FE 1001 TV Front End	CWB1086	R 526	RS1/16S101J
		R 527	RS1/16S104J
		R 528	RS1/16S104J
		R 529	RS1/16S221J
		R 530	RS1/16S123J
		R 531	RS1/16S683J

====Circuit Symbol and No.==Part Name		Part No.	====Circuit Symbol and No.==Part Name		Part No.
R 532		RS1/16S472J	R 663		RS1/16S473J
R 533		RS1/16S102J	R 664		RS1/16S103J
R 534		RS1/16S102J	R 665		RS1/16S562J
R 535		RS1/16S102J	R 666		RS1/16S332J
R 536		RS1/16S223J	R 667		RS1/10S182J
R 537		RS1/16S362J	R 668		RS1/10S472J
R 538		RS1/16S681J	R 669		RS1/10S223J
R 539		RS1/16S242J	R 670		RS1/10S224J
R 540		RS1/16S822J	R 671		RS1/10S224J
R 541		RS1/16S103J	R 672		RS1/10S473J
R 542		RS1/16S103J	R 673		RS1/10S472J
R 543		RS1/16S101J	R 674		RS1/16S101J
R 546		RS1/16S332J	R 675		RS1/16S101J
R 547		RS1/16S334J	R 676		RS1/10S473J
R 548		RS1/16S560J	R 677		RS1/10S473J
R 549		RS1/16S222J	R 678		RS1/10S102J
R 550		RS1/16S104J	R 679		RS1/10S102J
R 551		RS1/16S244J	R 680		RS1/10S103J
R 552		RS1/16S154J	R 681		RS1/16S222J
R 553		RS1/16S152J	R 682		RS1/16S101J
R 554		RS1/16S331J	R 683		RS1/16S101J
R 555		RS1/8S470J	R 684		RS1/10S620J
R 556		RS1/16S103J	R 685		RS1/10S473J
R 601		RS1/16S102J	R 686		RS1/10S473J
R 602		RS1/16S102J	R 687		RS1/10S102J
R 603		RS1/16S102J	R 688		RS1/10S102J
R 604		RS1/16S102J	R 689		RS1/10S103J
R 605		RS1/16S102J	R 690		RS1/10S473J
R 607		RS1/16S102J	R 691		RS1/10S473J
R 610		RS1/16S681J	R 692		RS1/10S103J
R 611		RS1/16S681J	R 693		RS1/10S103J
R 612		RS1/16S473J	R 694		RS1/10S473J
R 613		RS1/16S473J	R 695		RS1/10S223J
R 614		RS1/16S102J	R 696		RS1/16S473J
R 616		RS1/16S102J	R 697		RS1/10S473J
R 617		RS1/16S473J	R 698		RS1/10S473J
R 618		RS1/10S244J	R 699		RS1/10S473J
R 619		RS1/16S473J	R 701		RS1/16S472J
R 620		RS1/16S102J	R 702		RS1/10S472J
R 621		RS1/16S102J	R 703		RS1/10S472J
R 622	(GEX-P7000TVP/ES)	RS1/16S333J	R 704		RS1/10S473J
R 623	(GEX-P7000TVP/EW)	RS1/16S473J	R 705		RS1/10S223J
R 623	(GEX-P7000TVP/ES)	RS1/16S223J	R 706		RS1/10S153J
R 624		RS1/10S473J	R 707		RS1/10S103J
R 627		RS1/10S223J	R 708		RS1/10S103J
R 628		RS1/10S472J	R 721		RS1/10S102J
R 631		RS1/16S473J	R 722		RS1/10S102J
R 632		RS1/16S102J	R 730		RS1/10S473J
R 633		RS1/16S102J	R 731		RS1/16S473J
R 634		RS1/16S102J	R 801		RS1/16S0R0J
R 635		RS1/16S102J	R 802		RN1/16SE1002D
R 636		RS1/16S473J	R 805		RS1/16S102J
R 637		RS1/16S0R0J	R 806		RS1/16S222J
R 638		RS1/16S0R0J	R 807		RS1/16S123J
R 639		RS1/16S0R0J	R 808		RS1/16S222J
R 646		RS1/16S102J	R 809		RS1/16S222J
R 647		RS1/16S102J	R 810		RS1/16S101J
R 648		RS1/16S102J	R 811		RS1/16S101J
R 649		RS1/16S102J	R 812		RS1/10S103J
R 651		RS1/10S103J	R 813		RS1/10S471J
R 652		RS1/10S473J	R 814		RS1/10S471J
R 653		RS1/10S472J	R 815		RS1/10S471J
R 654		RS1/10S102J	R 816		RS1/10S471J
R 656		RS1/10S103J	R 817		RS1/16S471J
R 657		RS1/10S223J	R 818		RS1/16S102J
R 658		RS1/10S103J	R 819		RS1/16S102J
R 659		RS1/16S473J	R 820		RS1/16S0R0J
R 660		RS1/10S223J	R 822		RS1/16S683J
R 661		RS1/10S473J	R 823		RS1/16S473J
R 662		RS1/16S473J	R 824		RS1/16S750J

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
R 825	RS1/16S750J	R 1018	RS1/16S103J
R 827	RS1/16S102J	R 1019	RS1/16S391J
R 828	RS1/16S102J	R 1020	RS1/16S105J
R 829	RS1/16S471J	R 1022	RS1/16S223J
R 830	RS1/16S471J	R 1023	RS1/16S393J
R 831	RS1/16S471J	R 1024	RN1/16SE1202D
R 832	RS1/16S750J	R 1025	RS1/10S151J
R 833	RS1/16S750J	R 1026	RS1/10S473J
R 834	RS1/10S101J	R 1027	RS1/10S223J
R 835	RS1/16S101J	R 1028	RS1/10S0R0J
R 836	RS1/16S472J	R 1029	RS1/10S0R0J
R 837	RS1/16S472J	R 1038	RS1/16S0R0J
R 838	RS1/16S101J	R 1039	RS1/16S0R0J
R 839	RS1/16S101J	R 1801	RS1/10S102J
R 840	RS1/16S101J	R 1802	RS1/16S102J
R 841	RS1/16S103J	R 1803	RS1/10S102J
R 842	RS1/16S103J	R 1804	RS1/16S331J
R 843	RS1/16S102J	R 1805	RS1/16S102J
R 844	RS1/16S683J	R 1806	RS1/16S331J
R 845	RS1/16S473J	R 1807	RS1/16S102J
R 901	RS1/10S272J	R 1808	RS1/16S331J
R 902	RS1/10S822J	R 1809	RS1/16S102J
R 921	RS1/10S472J	R 1811	RS1/10S0R0J
R 922	RS1/10S472J	R 1812	RS1/10S332J
R 923	RS1/10S472J	R 1815	RS1/10S681J
R 924	RS1/4S271J	R 1816	GGC1320
R 925	RS1/4S271J	R 1817	GGC1320
R 926	RS1/10S472J	R 1818	RS1/16S750J
R 927	RS1/10S472J	R 1819	RS1/16S750J
R 928	RS1/10S103J	R 1820	RS1/16S750J
R 929	RS1/10S103J	R 1821	RS1/16S750J
R 930	RS1/10S102J	R 1822	RS1/16S101J
R 931	RS1/10S102J	R 1823	RS1/16S101J
R 932	RS1/10S472J	R 1824	RS1/16S101J
R 933	RS1/10S103J	R 2801	RS1/16S102J
R 934	RS1/10S103J	R 2802	RS1/16S102J
R 935	RS1/8S561J	R 2803	RS1/16S102J
R 936	RS1/10S103J	R 2805	RS1/16S472J
R 937	RS1/10S103J	R 2806	RS1/16S751J
R 938	RS1/8S152J	R 2807	RS1/16S472J
R 939	RS1/10S561J	R 2808	RS1/16S751J
R 942	RS1/10S103J	R 2809	RS1/16S472J
R 943	RS1/10S103J	R 2810	RS1/16S751J
R 944	RS1/10S102J	R 2811	RS1/16S681J
R 945	RS1/10S100J	R 2812	RS1/16S681J
R 946	RS1/10S103J	R 2820	RS1/10S102J
R 947	RS1/10S103J	R 2821	RS1/16S153J
R 948	RS1/4S152J	R 2822	RS1/16S102J
R 949	RS1/10S102J	R 2830	RS1/10S681J
R 950	RS1/10S223J	R 2831	GGC1320
R 951	RS1/10S472J	R 2832	RS1/16S681J
R 952	RS1/10S560J	R 2833	GGC1320
R 953	RS1/10S181J	R 3801	RS1/10S0R0J
R 954	RS1/16S104J	R 3805	RS1/16S0R0J
R 1001	RS1/16S102J	R 3806	RS1/10S473J
R 1002	RS1/16S102J	R 3807	RS1/16S223J
R 1003	RS1/16S102J	R 3812	RS1/16S473J
R 1004	RS1/16S102J	R 3815	RS1/16S0R0J
R 1005	RS1/10S102J	R 3816	RS1/16S223J
R 1006	RS1/10S102J	R 3818	RS1/16S223J
R 1007	RS1/10S101J	R 3819	RS1/16S471J
R 1008	RS1/10S471J	R 3820	RS1/16S103J
R 1010	RS1/10S103J	R 3822	RS1/16S471J
R 1011	RS1/10S103J	R 3825	RS1/16S0R0J
R 1012	RS1/10S103J	R 3826	RS1/16S0R0J
R 1013	RS1/10S103J	R 3829	RS1/16S750J
R 1014	RS1/10S102J	R 3830	RS1/16S750J
R 1015	RS1/10S102J	R 3831	RS1/16S750J
R 1016	RS1/10S102J	R 3832	RS1/16S750J
R 1017	RS1/10S102J	R 3834	RS1/16S471J

====Circuit Symbol and No.====Part Name	Part No.	====Circuit Symbol and No.====Part Name	Part No.
R 3835	RS1/16S471J	R 4206	RS1/10S102J
R 3836	RS1/16S223J	R 4301	RS1/10S104J
R 3838	RS1/16S0R0J	R 4302	RS1/10S104J
R 4001	RS1/16S272J	R 4303	RS1/10S104J
R 4002	RS1/16S272J	R 4304	RS1/10S104J
R 4003	RS1/16S272J	R 4309	RS1/16S821J
R 4004	RS1/16S272J	R 4310	RS1/10S821J
R 4005	RS1/16S222J	R 4311	RS1/10S223J
R 4006	RS1/16S222J	R 4312	RS1/10S223J
R 4007	RS1/16S222J	R 4313	RS1/10S104J
R 4008	RS1/16S222J	R 4314	RS1/10S102J
R 4009	RS1/16S102J	R 4315	RS1/10S473J
R 4010	RS1/16S102J	R 4316	RS1/16S223J
R 4011	RS1/16S102J	R 4317	RS1/16S223J
R 4012	RS1/16S102J	R 4801	RS1/16S0R0J
R 4013	RS1/16S220J	R 4802	RS1/16S0R0J
R 4014	RS1/16S220J	R 4804	RS1/16S0R0J
R 4015	RS1/16S104J	R 4805	RS1/16S471J
R 4016	RS1/16S104J	R 4806	RS1/16S473J
R 4017	RS1/16S104J	R 4808	RS1/16S0R0J
R 4018	RS1/16S104J	R 4811	RS1/16S471J
R 4019	RS1/16S104J	R 4812	RS1/16S471J
R 4020	RS1/16S104J	R 4813	RS1/16S471J
R 4021	RS1/16S102J	R 4814	RS1/16S471J
R 4022	RS1/16S102J		
R 4023	RS1/16S222J	CAPACITORS	
R 4024	RS1/16S222J	C 118	CKSYB106K6R3
R 4025	RS1/16S102J	C 119	CKSYB106K6R3
R 4026	RS1/16S102J	C 121	CKSRYB153K25
R 4027	RS1/16S222J	C 122	CKSRYB153K25
		C 414	CEV100M16
R 4028	RS1/16S222J		
R 4029	RS1/16S821J	C 415	CKSRYB103K25
R 4030	RS1/16S821J	C 416	CKSRYB223K25
R 4031	RS1/10S223J	C 417	CEJA470M10
R 4032	RS1/10S223J	C 418	CKSRYB222K50
		C 419	CKSQYB105K16
R 4033	RS1/16S102J		
R 4034	RS1/16S102J	C 420	CKSQYB105K16
R 4035	RS1/16S104J	C 421	CKSRYB102K50
R 4036	RS1/16S104J	C 422	CCSRCH101J50
R 4037	RS1/16S104J	C 423	CKSRYB104K16
		C 424	CKSRYB103K25
R 4038	RS1/16S104J		
R 4039	RS1/16S104J	C 425	CEV220M10
R 4040	RS1/16S104J	C 426	CKSRYB102K50
R 4041	RS1/16S102J	C 427	CKSRYB682K25
R 4042	RS1/16S102J	C 428	CKSQYB272K50
		C 429	CKSQYB105K16
R 4043	RS1/16S222J		
R 4044	RS1/16S222J	C 430	CKSRYB103K25
R 4045	RS1/16S102J	C 431	CKSYB106K6R3
R 4046	RS1/16S102J	C 437	CKSYB106K6R3
R 4047	RS1/16S222J	C 438	CKSRYB104K16
		C 439	CKSRYB104K16
R 4048	RS1/16S222J		
R 4049	RS1/16S821J	C 440	CKSRYB103K25
R 4050	RS1/16S821J	C 441	CKSRYB223K25
R 4051	RS1/16S223J	C 451	CKSRYB332K50
R 4052	RS1/16S223J	C 452	CKSYB106K6R3
		C 456	CKSYB106K6R3
R 4053	RS1/10S103J		
R 4054	RS1/10S103J	C 501	CKSRYB102K50
R 4055	RS1/16S102J	C 502	CKSRYB102K50
R 4056	RS1/16S102J	C 505	CKSRYB272K50
R 4057	RS1/16S222J	C 505	CKSRYB392K50
		C 506	CKSRYB272K50
R 4058	RS1/16S222J		
R 4059	RS1/16S102J	C 506	CKSRYB392K50
R 4060	RS1/16S102J	C 507	CKSRYB102K50
R 4061	RS1/16S222J	C 508	CKSRYB102K50
R 4062	RS1/16S222J	C 509	CKSRYB103K25
		C 510	CKSQYB105K16
R 4201	RS1/10S102J		
R 4202	RS1/10S102J	C 512	CKSYB106K6R3
R 4203	RS1/10S223J	C 513	CKSQYB105K16
R 4204	RS1/10S223J	C 514	CKSYB106K6R3
R 4205	RS1/10S102J	C 515	CKSRYB103K25
		C 516	CCSRCH120J50

====Circuit Symbol and No.====Part Name	Part No.	====Circuit Symbol and No.====Part Name	Part No.
C 517	CKSRYP103K25	C 820	CKSRYP103K25
C 518	CCSRCH101J50	C 823	CKSYB106K6R3
C 519	CKSQYB474K16	C 825	CKSRYP103K25
C 520	CCSRCH160J50	C 826	CKSYB106K6R3
C 521	CKSYB106K6R3	C 828	CCH1182
C 522	CEV220M10	C 831	470μF/6.3V
C 523	CKSQYB474K16	C 832	470μF/6.3V
C 524	CKSYB106K6R3	C 833	CCH1182
C 525	CKSRYP104K16	C 834	CKSYB106K6R3
C 526	CKSQYB105K16	C 835	CKSRYP223K25
			CKSQYB105K10
			CEVNP100M10
C 527	CCSRCH271J50	C 836	CEVNP100M10
C 528	CCSQCH162J50	C 837	CKSRYP104K16
C 529	CKSQYB105K16	C 838	CKSRYP104K16
C 530	CKSRYP104K16	C 839	CKSRYP104K16
C 531	CCSRCH270J50	C 840	CKSRYP104K16
C 532	CCSRCH270J50	C 841	CKSRYP104K16
C 533	CKSRYP103K25	C 842	CKSRYP104K16
C 534	CEV101M10	C 843	CKSRYP104K16
C 535	CCH1286	C 844	CKSRYP104K16
C 536	CKSRYP473K16	C 845	CKSRYP104K16
C 537	CEV470M6R3	C 846	CKSRYP104K16
C 538	CKSRYP104K16	C 847	CKSRYP104K16
C 539	CCSRCH180J50	C 848	CKSRYP104K16
C 540	CKSRYP103K25	C 849	CKSYB106K6R3
C 541	CCSQCH1R0C50	C 901	CCH1188
C 542	CCSQCH100D50	C 902	CKSQYB104K16
C 543	CCSRCH330J50	C 903	CCH1185
C 544	CCSRCH180J50	C 904	CKSQYB103K25
C 545	CKSRYP104K16	C 905	CEJA220M16
C 546	CCSQCH1R0C50	C 906	CKSQYB103K25
C 547	CKSRYP103K25	C 907	CEJA220M16
C 548	CCSQCH3R0C50	C 921	CEJA220M10
C 549	CKSRYP103K25	C 922	CEAS471M25
C 550	CEJA220M16	C 923	CEAS101M25
C 551	CKSRYP473K16	C 924	CKSQYB103K25
C 552	CKSRYP103K25	C 925	CKSQYB103K25
C 604	CKSRYP102K50	C 926	CEJA330M10
C 605	CKSQYB105K16	C 927	CKSQYB103K25
C 606	CKSQYB473K16	C 928	CEJA330M10
C 607	CKSQYB473K16	C 929	CKSQYB473K16
C 609	CKSQYB102K50	C 930	CKSQYB103K25
C 610	CKSQYB473K16	C 931	CKSQYB103K25
C 611	CKSQYB473K16	C 932	CEJA100M16
C 612	CKSQYB103K25	C 933	CKSQYB473K16
C 651	CKSQYB103K25	C 934	CEV330M10
C 652	CEJA100M16	C 935	CKSQYB473K16
C 653	CKSRYP102K50	C 936	CKSQYB473K16
C 654	CKSQYB105K16	C 937	CEV220M10
C 655	CKSQYB104K16	C 938	CKSQYB473K16
C 656	CKSQYB104K16	C 939	CEV330M10
C 657	CKSQYB104K16	C 940	CKSQYB103K25
C 801	CKSQYB105K16	C 941	CKSQYB103K50
C 802	CKSQYB105K16	C 942	CEJA4R7M35
C 803	CKSRYP104K16	C 943	CEJA4R7M35
C 804	CEJA100M16	C 944	CKSQYB103K50
C 805	CKSQYB105K16	C 945	CKSQYB104K50
C 806	CKSRYP472K50	C 946	CEJA101M16
C 807	CKSQYB105K16	C 947	CKSQYB103K25
C 808	CKSQYB105K16	C 948	CKSQYB104K16
C 809	CEJA470M10	C 949	CKSQYB103K25
C 810	CKSRYP104K16	C 950	CEAS221M10
C 811	CKSQYB105K16	C 951	CCH1019
C 812	CKSYB475K10	C 952	CKSQYB473K16
C 813	CKSQYB105K16	C 953	CCH1019
C 814	CKSQYB104K16	C 954	CEJA1R0M50
C 815	CCSQSL221J50	C 955	CEJA220M10
C 816	CKSQYB224K16	C 956	CKSQYB104K16
C 817	CCSQCH180J50	C 957	CCH1019
C 818	CCSQCH180J50	C 958	CEJA101M10
C 819	CEJANP100M10	C 1001	CKSQYB103K50

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
C 1002	CEAS220M50	C 1842	CKSYB106K6R3
C 1003	CKSQYB473K16	C 1843	CKSQYB103K25
C 1004 470μF/10V	CCH1019	C 1844	CKSQYB103K25
C 1005 470μF/10V	CCH1019	C 1845	CKSYB106K6R3
C 1006	CKSQYB103K25	C 1846	CCSRCH221J50
C 1009	CKSQYB103K25	C 1847	CCSRCH221J50
C 1010 470μF/10V	CCH1019	C 1848	CCSRCH221J50
C 1011	CKSQYB103K25	C 2801	CKSQYB105K16
C 1013	CEJA100M16	C 2802	CCSRUJ121J50
C 1014	CKSQYB223K25	C 2803	CCSRUJ101J50
C 1015	CKSRYB153K25	C 2806	CKSRYB103K25
C 1016	CKSRYB102K50	C 2807	CASQA150K16
C 1017	CCSRTH180J50	C 2816	CCSQCH100J50
C 1018	CKSRYB102K50	C 2817	CCSQSL471J50
C 1019	CKSRYB102K50	C 2818	CCSQCH100J50
C 1020	CKSRYB102K50	C 2819	CKSQYB104K16
C 1021	CKSRYB102K50	C 2820	CKSYB106K6R3
C 1022	CKSQYB224K16	C 2821	CKSYB106K6R3
C 1023	CKSQYB152K50	C 2822	CKSRYB103K25
C 1024	CKSQYB102K50	C 2823	CKSRYB103K25
C 1025	CKSQYB102K50	C 2824	CKSYB106K6R3
C 1026	CKSQYB223K25	C 2825	CKSRYB104K16
C 1027	CEJA470M6R3	C 2830	CKSYB106K6R3
C 1028	CKSQYB103K25	C 2831	CKSQYB183J50
C 1029	CKSQYB103K25	C 3802	CKSRYB104K16
C 1038	CKSQYB223K25	C 4001	CCSRSL471J50
C 1041	CKSQYB333K25	C 4002	CCSRSL471J50
C 1042	CKSQYB333K25	C 4003	CCSQSL471J50
C 1043	CKSQYB333K25	C 4004	CCSRSL471J50
C 1044	CKSQYB333K25	C 4005	CCSRSL471J50
C 1801	CKSQYB104K16	C 4006	CCSRSL471J50
C 1802	CKSQYB105K16	C 4007	CCSRSL471J50
C 1803	CKSQYB105K16	C 4008	CCSRSL471J50
C 1804	CKSQYB105K16	C 4009	CKSQYB105K16
C 1805	CKSQYB105K16	C 4010	CKSQYB105K16
C 1806	CKSQYB105K16	C 4011	CKSQYB105K16
C 1807	CKSQYB105K16	C 4012	CKSQYB105K16
C 1808	CKSQYB103K25	C 4013	CEJA220M16
C 1809	CEJA100M16	C 4014	CEJA220M16
C 1810	CKSQYB103K25	C 4015	CKSQYB105K16
C 1811	CKSQYB105K16	C 4016	CKSQYB105K16
C 1812	CKSQYB105K16	C 4017	CEV101M10
C 1813	CKSQYB105K16	C 4018	CEJA101M10
C 1814	CKSQYB105K16	C 4019	CKSQYB105K16
C 1815	CKSQYB105K16	C 4020	CKSQYB105K16
C 1816	CKSQYB105K16	C 4021	CKSQYB105K16
C 1817	CKSQYB103K25	C 4022	CKSQYB105K16
C 1818	CKSYB106K6R3	C 4023	CKSQYB105K16
C 1819	CKSRYB103K25	C 4024	CKSQYB105K16
C 1821	CKSQYB105K16	C 4025	CCSRCH151J50
C 1822	CKSQYB105K16	C 4026	CCSRCH151J50
C 1823	CKSQYB105K16	C 4027	CCSRCH151J50
C 1824	CCSQCH100J50	C 4028	CCSRCH151J50
C 1825	CCSQSL471J50	C 4029	CKSQYB105K16
C 1826	CCSQCH100J50	C 4030	CKSQYB105K16
C 1827	CKSQYB104K16	C 4031	CKSQYB222K50
C 1828	CKSYB106K6R3	C 4032	CKSQYB222K50
C 1829	CKSQYB470K50	C 4033	CEV101M10
C 1830	CEV470M6R3	C 4034	CKSYB106K6R3
C 1831	CEV470M6R3	C 4035	CEV101M10
C 1832	CEV470M6R3	C 4037	CKSQYB105K16
C 1833	CKSRYB103K25	C 4038	CKSQYB105K16
C 1834	CEV100M16	C 4039	CKSQYB105K16
C 1835	CKSRYB103K25	C 4040	CKSQYB105K16
C 1836	CKSQYB105K16	C 4041	CKSQYB105K16
C 1837	CKSRYB103K25	C 4042	CKSQYB105K16
C 1838	CKSYB106K6R3	C 4043	CCSRCH151J50
C 1839	CKSRYB103K25	C 4044	CCSRCH151J50
C 1840 470μF/10V	CCH1019	C 4045	CCSRCH151J50
C 1841	CKSYB106K6R3	C 4046	CCSRCH151J50

====Circuit Symbol and No.====Part Name	Part No.
C 4047	CKSQYB105K16
C 4048	CKSQYB105K16
C 4049	CKSRYB222K50
C 4050	CKSRYB222K50
C 4051	CEJA101M10
C 4052	CEJA100M16
C 4053	CEJA101M10
C 4055	CCSRCH151J50
C 4056	CCSRCH151J50
C 4057	CCSRCH151J50
C 4058	CCSRCH151J50
C 4201	CEJA1R0M50
C 4202	CEJA1R0M50
C 4203	CEJA1R0M50
C 4204	CEJA1R0M50
C 4205	CEJANP100M10
C 4206	CEJANP100M10
C 4207	CEJA220M16
C 4208	CEJA100M16
C 4301	CEJA100M16
C 4302	CEJA100M16
C 4309	CEJA100M16
C 4310	CEJA100M16
C 4311	CKSQYB222K50
C 4312	CKSQYB222K50
C 4313	CEJA220M10
C 4314	CEJA220M10
C 4801	CKSRYB104K16

B Unit Number: CWX2200
Unit Name : Antenna Select Unit

MISCELLANEOUS

Q 501	Transistor	2SC1740S
D 501	Diode	1SS133
L 501	Ferri-Inductor	LAU4R7K
RY 501	Relay	CSR1014

RESISTORS

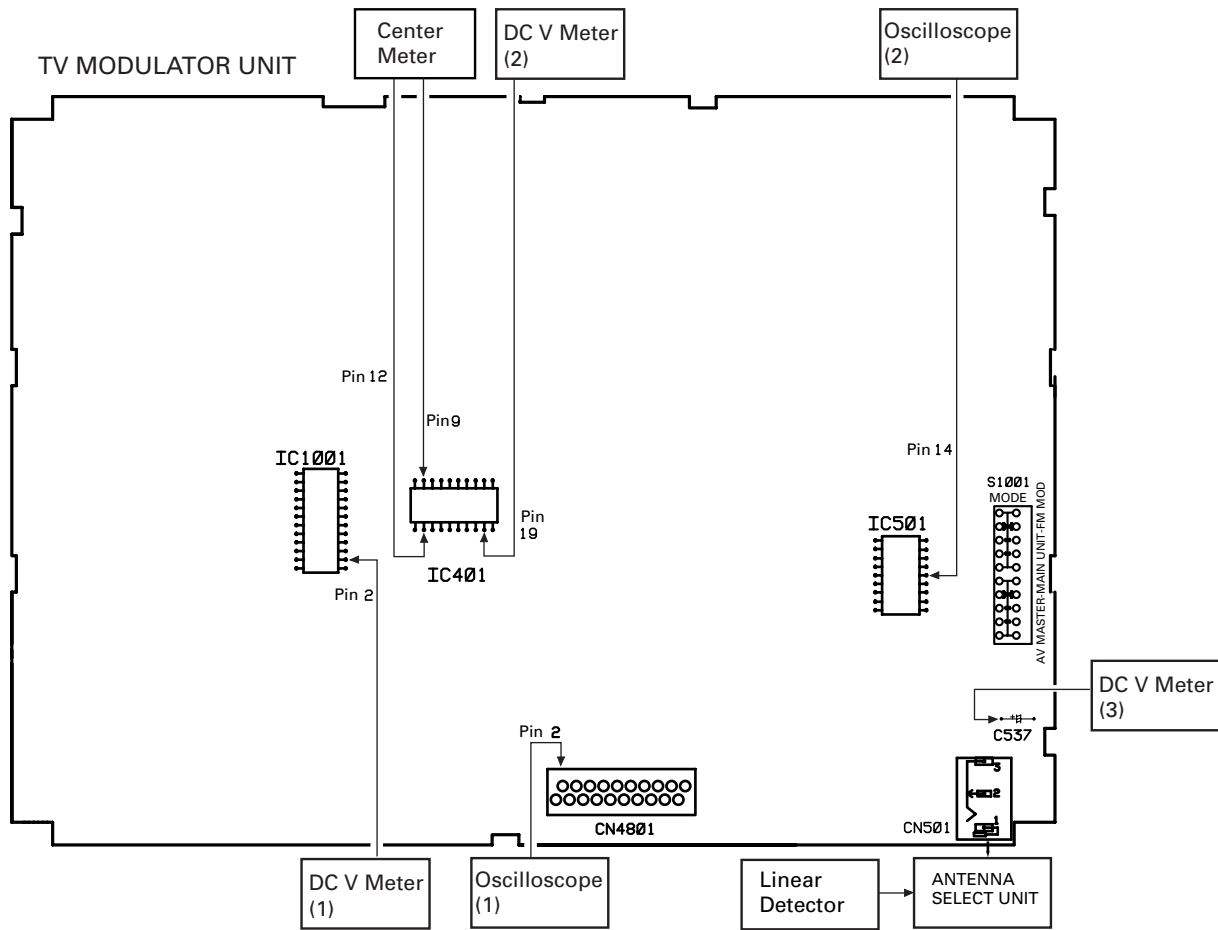
R 501	RD1/4PU683J
R 502	RD1/4PU103J

CAPACITORS

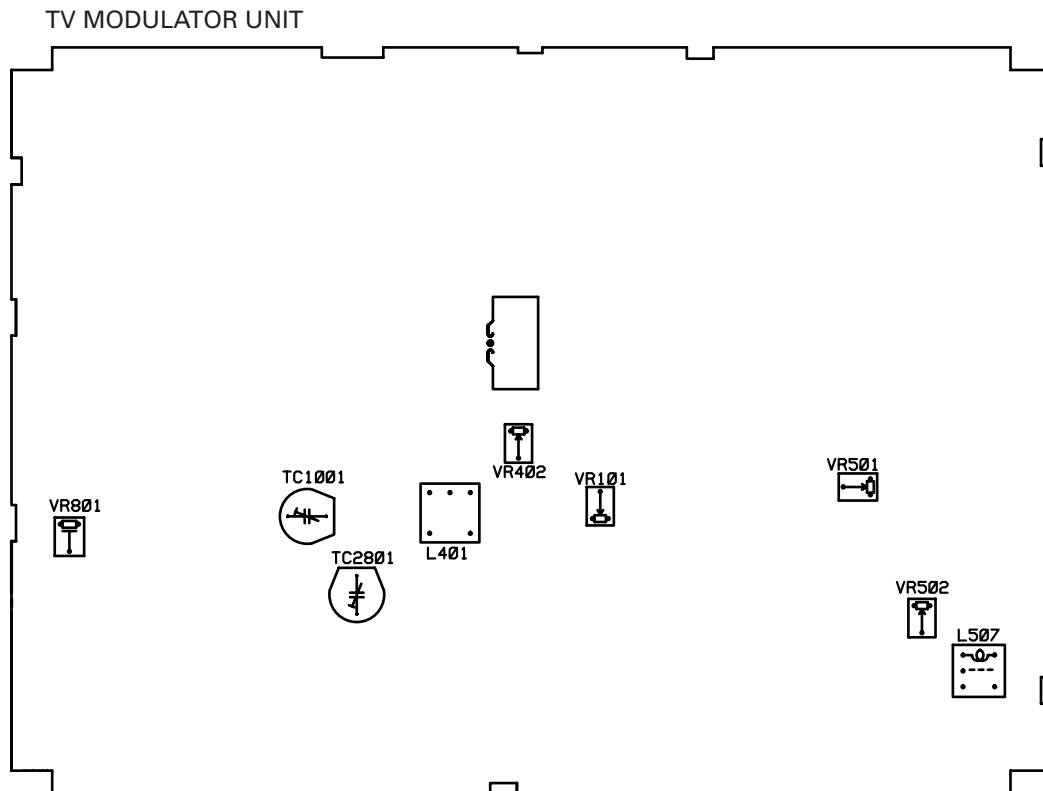
C 501	CKCYB102K50
C 502	CEAL101M10

6. ADJUSTMENT

● Test Point



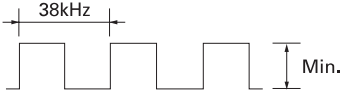
● Adjustment Point



Before adjustment, set the diversity to 1 so as to prevent the circuit from operating during input signals are weak (use "1" input for antenna input).

Use rear monitor or OSD output for the video monitor.

Procedure	Adjustment Item	Input signal	Adjustment Point	Adjustment method
1	Diversity adjustment	Receive TV signals.	TC1001	Monitor the voltage of pin 2 of IC1001 (PM0013AM) and adjust the DC voltage to $2.5V \pm 0.1V$.(DC V Meter(1)) Note: If this has not been adjusted properly, extreme diversity switching occurs even with good receiving conditions, causing voice interruption.
2	Center meter adjustment	Receive TV point B signals (US Band 10ch)	L401	Monitor the voltage between pins 9 and 12 of IC401 (LA1145M) and reduce the potential difference between both edges to zero. (Center Meter) Note: If this has not been adjusted properly, the voice becomes low too fast as input signals become weak. Even worse, sound may be strained or no sound output.
3	SD adjustment	Receive TV point B signals (US Band 10ch) RF level: 33 dBμ	VR402	Monitor the voltage of pin 19 of IC401 (LA1145M) and adjust the DC voltage to $2.5V \pm 1.0V$.(DC V Meter(2)) Note: If this has not been adjusted properly, seek may stop even without any signal input or may not stop even when turning input signals stronger.
4	RGB level adjustment	Input white 100% with burst signal 1Vp-p to VTR1.	VR801	Turn the TV on and enable VTR1 using the menu screen setting. Set the source to VTR1 and monitor the waveform of pin 2 of RGB monitor output CN4801. Adjust the video output of pin 2 as follows: When the RGB monitor or 75Ω is connected to CN4801: $0.7Vp-p \pm 0.1V$  When nothing is connected to CN4801: $1.4Vp-p \pm 0.2V$ (DSENS(Pin 12):Connect to GND) Note: If this has not been adjusted properly, the screen becomes too bright or dark.
5	OSD clock adjustment	Input white 100% with burst signal 1Vp-p to VTR1	TC2801	Before this adjustment, connect the RGB monitor (since return synchronous signals are required to be input from the monitor). Connect AVX-7000. Turn the TV on and enable VTR1 using the menu screen setting. Set the source to VTR1 and display the OSD menu screen. Adjust the screen so that the OSD display comes center. Note: If this has not been adjusted properly, the menu screen OSD display shifts.
6	FM modulator tuning voltage adjustment	Play a ∞ CD.	L507	Set the MODE switch (S1001) to the FM modulator mode. Connect a multi-CD and start-up the source with the CD. Set the modulator frequency to 89.1 MHz on the menu screen. Monitor the collector voltage (positive side of C537) of Q503 and adjust the DC voltage to $3.0V \pm 0.1V$.(DC V Meter(3)) Note: To use the menu screen, connect an RGB monitor. Note: If this has not been adjusted properly, RF is strained when the modulator frequency is low or high.

Procedure	Adjustment Item	Input signal	Adjustment Point	Adjustment method
7	FM modulator 38 kHz leakage adjustment	Play a $-\infty$ CD.	VR501	Set the MODE switch (S1001) to the FM modulator mode. Connect a multi-CD and start-up the source with the CD. Set the modulator frequency to 89.1 MHz on the menu screen. Monitor pin 14 of IC501 (BA1404F) with an oscilloscope and adjust 38 kHz leakage to the minimum.  (Oscilloscope(2)) Note: To use the menu screen, connect an RGB monitor. Note: If this has not been adjusted properly, S/N deteriorates during FM reception.
8	FM modulator modulation level adjustment	Play a CD of 400 Hz, 0 dB (or 500 Hz or 1 kHz)	VR502	Set the MODE switch (S1001) to the FM modulator mode. Connect a multi-CD and start-up the source with the CD. Set the modulator frequency to 89.1 MHz and the modulation level to +3 on the menu screen. Connect the antenna select switch unit to the red mini-jack (CN501) of the antenna select unit output on the TV modulator unit. Monitor the output from the antenna select switch unit using a linear detector. Adjust the modulation level to 100 kHz. Note: If this has not been adjusted properly, sound becomes too loud or low during FM reception.

7. GENERAL INFORMATION

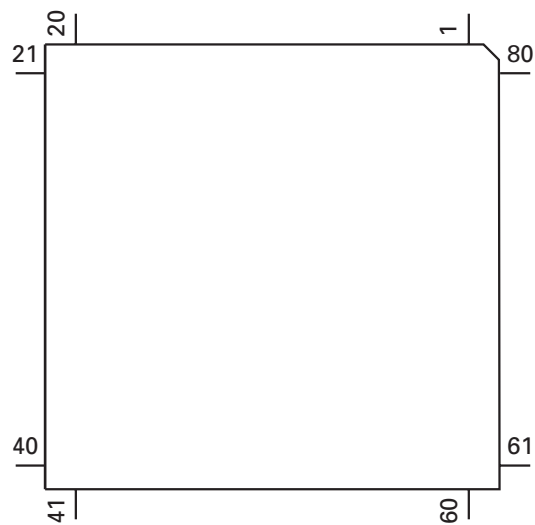
7.1 IC

● Pin Functions (PE5039A)

Pin No.	Pin Name	I/O	Format	Function and Operation
1-3	NC			Not used
4	AVSS			A/D GND
5	SNCOU	O		Stereo noise control output(Not used)
6	HCCOU	O		High cut level output(Not used)
7	AVREF1			A/D converter reference voltage
8	UARTRX	I		Modulator IC communication input
9	UARTTX	O		Modulator IC communication output
10,11	NC			Not used
12	TVPDO	O	C	TV tuner data output
13	TVPCK	O	C	TV tuner clock output
14	TVPCE	O	C	TV tuner chip enable output
15	NC			Not used
16	TESTDI	I		Test data input
17	TESTDO	O		Test data output
18	TESTCK	O		Test clock output
19	NC			Not used
20-23	ANT1-4	O	C	Auto antenna control output
24	NC			Not used
25	NICAM	O	C	Audio selector output
26	NC			Not used
27	MAIN	O	C	Audio select(MAIN/SUB or DUAL)(Not used)
28	SUB	O	C	Audio select(DUAL/SUB)(Not used)
29-32	NC			Not used
33	VSS			GND
34-36	NC			Not used
37	SYNCDET	I	N	Sync signal detect input
38	NC			Not used
39	TVLK1	I	N	PLL lock detect input
40	NC			Not used
41	ANTFIX			Antenna 1 fix input
42	SEEK	O	C	Seek output(Not used)
43	PSAVE	O	C	Power save output
44	NC			Not used
45	IPPW	O	C	Power supply control output for IP BUS interface IC
46	TVMUTE	O	C	TV tuner mute output
47	TVSPOW	O	C	TV power output
48	TVOTHER	O	C	TV/Other
49	NC			Not used
50	TVPW	O	C	TV power supply output
51	ST	I		FM stereo input
52-55	NC			Not used
56	IPTX	O	C	IP data output
57	IPRX	I		IP data input
58	NC			Not used
59	BILSEN	I		Bilingual input
60	RESET	I		Reset Input
61,62	NC			Not used
63	DSNS	I		Grille detach sense
64	SD	I		SD input
65	ASNS	I		ACC power sense input
66	BSNS	I		Back up power sense input
67	NC			Not used
68	VDD			Power supply
69	X2			Crystal oscillator connection pin

Pin No.	Pin Name	I/O	Format	Function and Operation
70	X1			Crystal oscillator connection pin
71	IC			Connect to GND
72	XT2			Not used
73	TESTIN	I		Test program mode input
74	AVDD			Connect to VDD
75	AVREFO			Connect to VDD
76	SL	I		Signal level input
77	MODEL1	I		Mode switch select input
78	SIMUKE	I		Destination information input
79	AFS	I		AFS input
80	NC			Not used

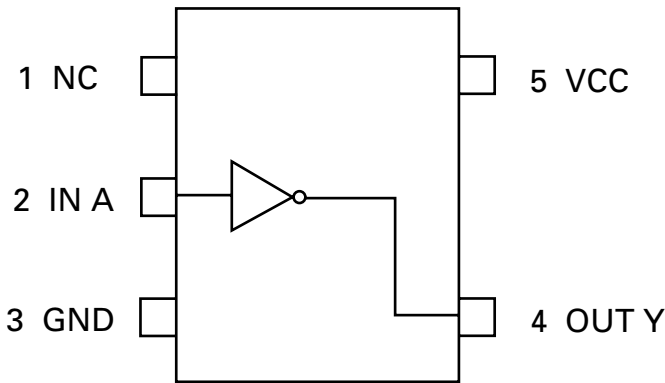
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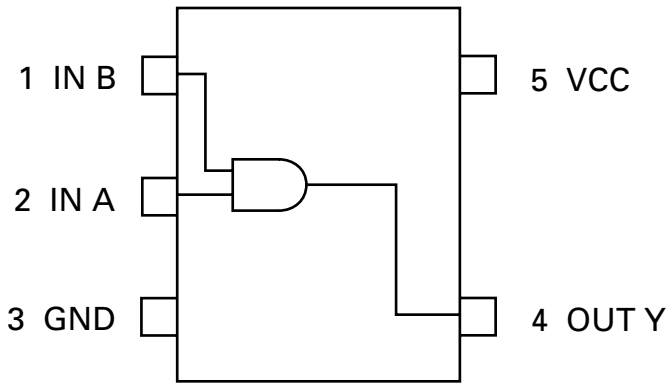
Format	Meaning
C	C MOS
N	N channel open drain

IC's marked by* are MOS type.
Be careful in handling them because they are very liable to be damaged by electrostatic induction.

TC7SH04F



TC7SH08F

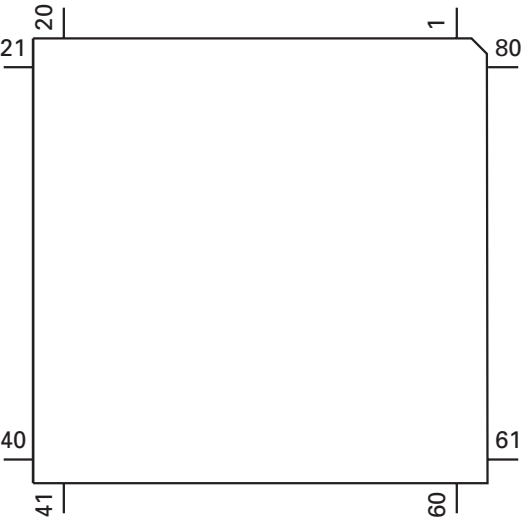


● Pin Functions (PE5040A)

Pin No.	Pin Name	I/O	Format	Function and Operation
1	TVPWIN	I		TV power on request input
2	TVMTIN	I		TV mute on request input
3	ASENBO	O	C	ASENBO output
4	AVSS	I		A/D GND
5	TPDO	O	C	FM transmitter PLL data output
6	TPCK	O	C	FM transmitter PLL clock output
7	AVREF1			(Connect to VDD)
8	UARTRX	I		Modulator IC communication input
9	UARTTX	O		Modulator IC communication output
10	TPCE	O	C	FM transmitter PLL chip enable output
11	NC			Not used
12	OSDDT	O	C	OSD data output
13	OSDCK	O	C	OSD clock output
14	OSDCS	O	C	OSD chip select output
15	NC			Not used
16	TESTDI	I		Test data input
17	TESTDO	O		Test data output
18	TESTCK	O		Test clock output
19	MOSYNC	O	C	Monitor sync select output(Not used)
20	BLOUT	O	C	OSD output
21	ASEL0	O	C	Audio select output
22	ASEL1	O	C	Audio select output
23	ASEL2	O	C	Audio select output
24	COMRGB	O	C	Composite RGB select output
25	SWVDD	O	C	SW5V power supply control output
26	RVSEL1	O	C	Rear monitor select output
28	RMMUTE	O	C	Rear monitor mute
29	MUTE	O	C	System mute output
30,31	VSELOUT1,2	O	C	VSEL output
32	SYSPW	O	C	System power control output
33	VSS			GND
34	VIDEOPW	O	C	Video power supply output
35	ILMPW	O	C	Illumination power supply control output(Not used)
36-40	NC			Not used
41	SDA	O	C	Bus data output
42	SCL	O	C	Bus clock output
43	PSAVE	O	C	Power save output
44	NC			Not used
45	IPPW	O	C	Power supply control output for IP BUS interface IC
46-49	NC			Not used
50	OUT514	O	C	Operation mode output 1
51	OUTMOD	O	C	Operation mode output 2
52,53	NC			Not used
54	MMUTE	O	C	Mute output for modulator
55	MODPW	O	C	Modulator power supply output
56	IPTX	O	C	IP data output
57	IPRX	I		IP data input
58,59	NC			Not used
60	RESET	I		Reset Input
61	REMIN	I		Remote control data input
62	PBSENS	I		Parking sense input
63	DSSENS	I		Grille detach sense
64	NVSENS	I		Navi ON sense input
65	ASENS	I		ACC power sense input
66	BSSENS	I		Back up power sense input
67	ISSENS	I		Illumination sense input
68	VDD			Power supply
69	X2			Crystal oscillator connection pin

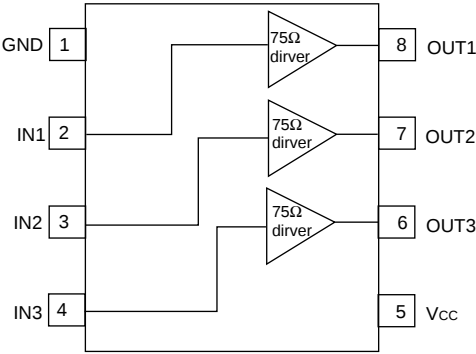
Pin No.	Pin Name	I/O	Format	Function and Operation
70	X1			Crystal oscillator connection pin
71	IC			Connect to VSS
72	XT2			Not used
73	TESTIN	I		Test program mode input
74	AVDD			Positive power supply terminal for analog circuit
75	AVREFO	I		Connect to VDD
76	MODEL1	I		Mode switch select input
77	SIMUKE	I		Destination information input
78,79	NC			Not used
80	TVSELIN	I		TV/OTHER input

*PE5040A

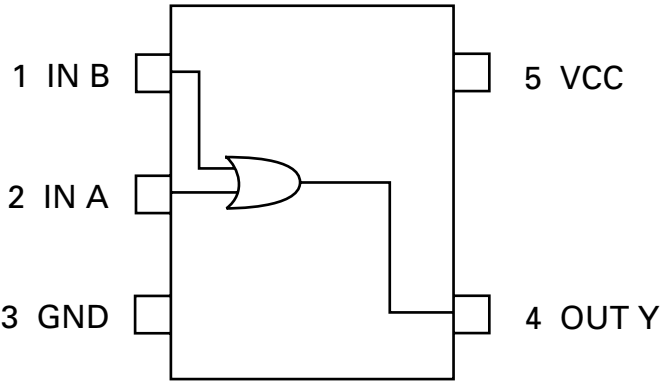


Format	Meaning
C	C MOS

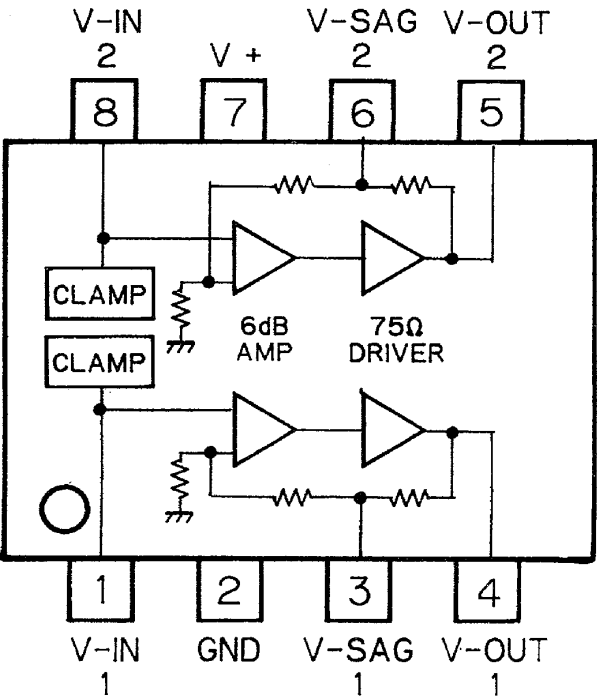
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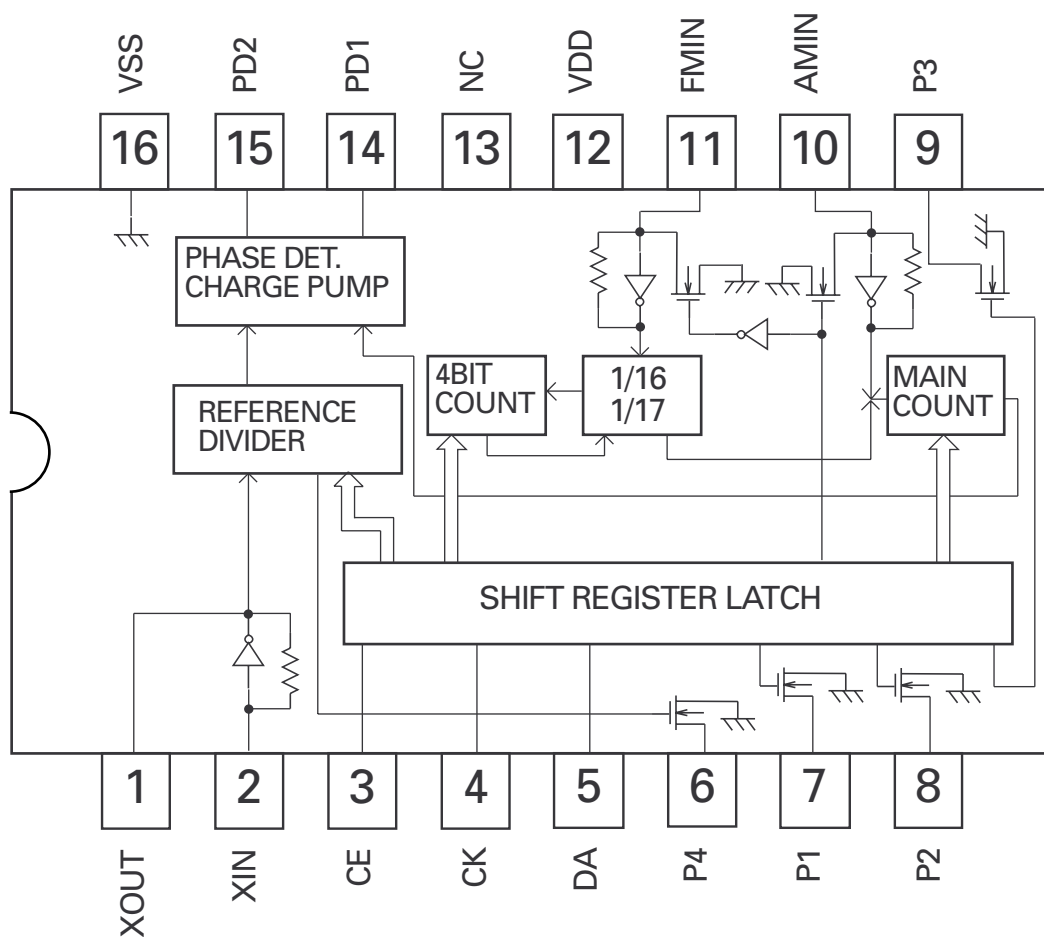
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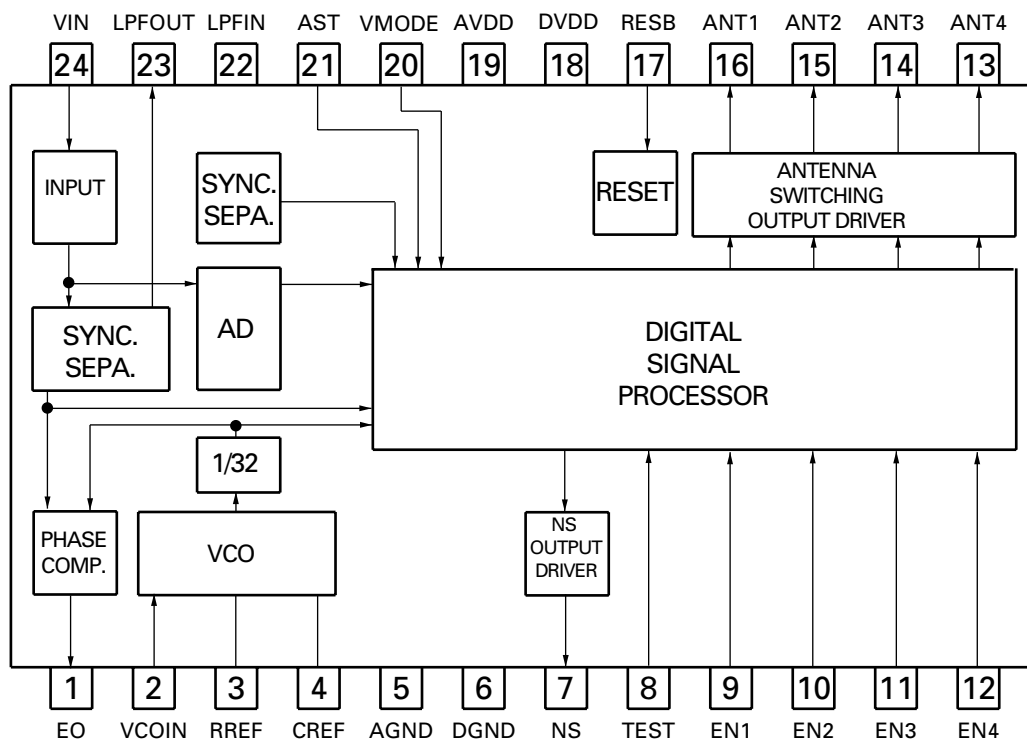
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BU2611AFS



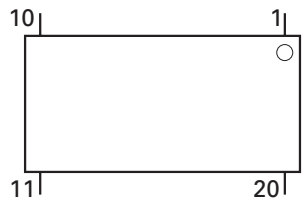
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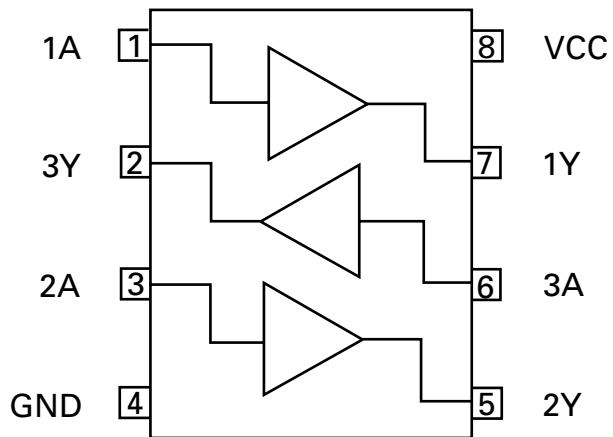
● Pin Functions (PD5448B)

Pin No.	Pin Name	I/O	Function and Operation
1	OSC1	I	Oscillator for display
2	OSC2	O	Oscillator for display
3	$\overline{CS}$	I	Chip select input
4	SCK	I	Serial clock input
5	SI	I	Serial data input
6	$\overline{AC}$	I	Auto clear input
7-10	P6-P9	O	Not used
11	VSS		GND
12	BLNK	O	Port output
13	R	O	R output
14	P2	O	Not used
15	G	O	G output
16	P4	O	Not used
17	B	O	B output
18	HOR	I	Horizontal sync signal input
19	VERT	I	Vertical sync signal input
20	VDD		Power supply

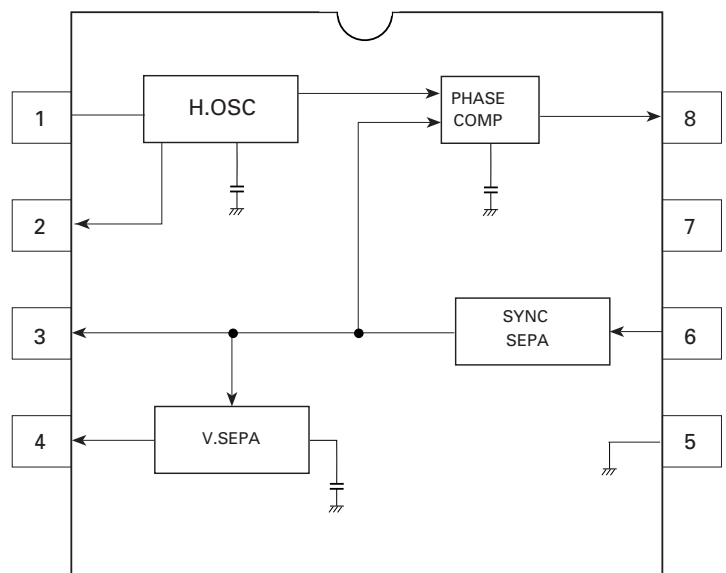
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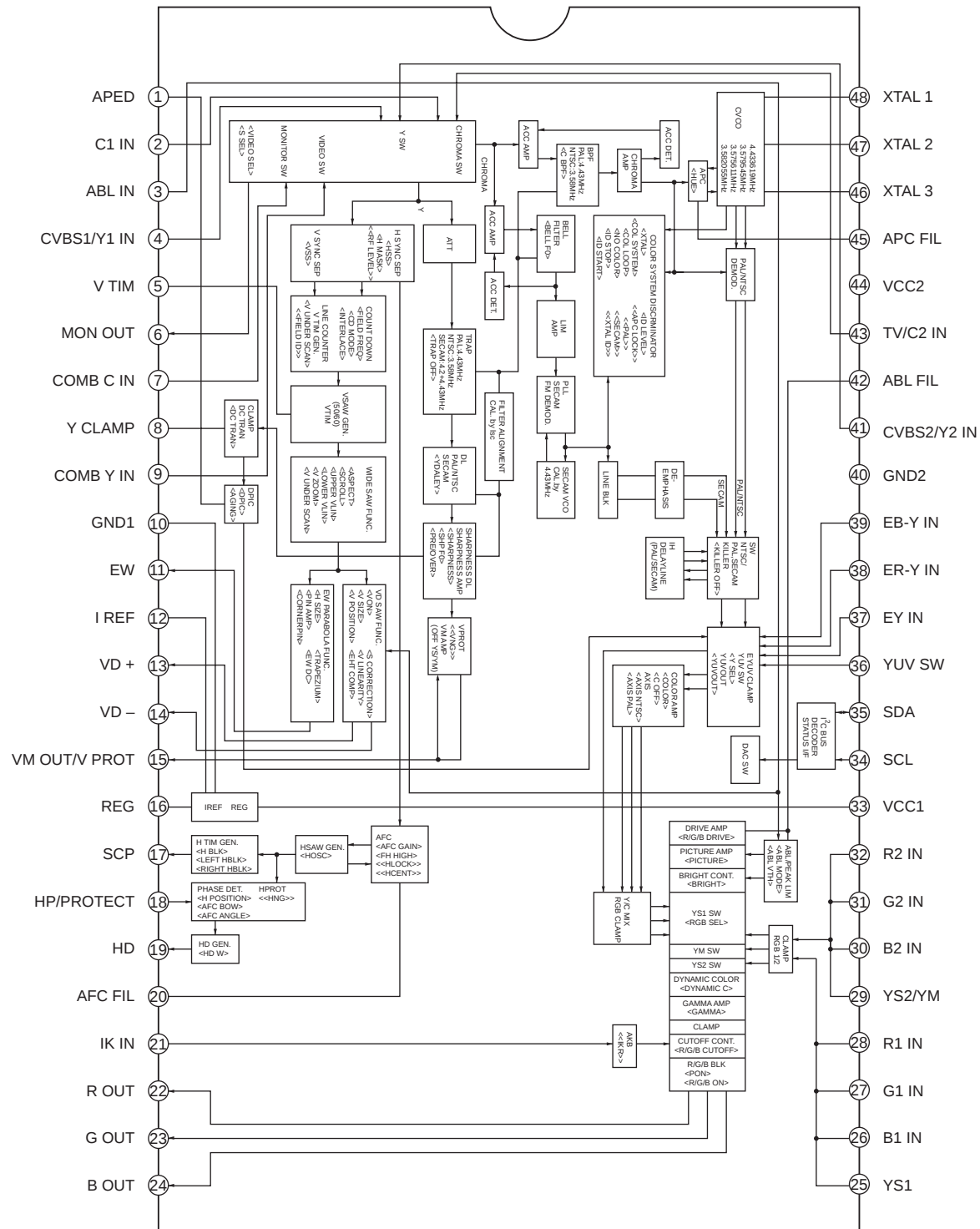
TC7W34FU



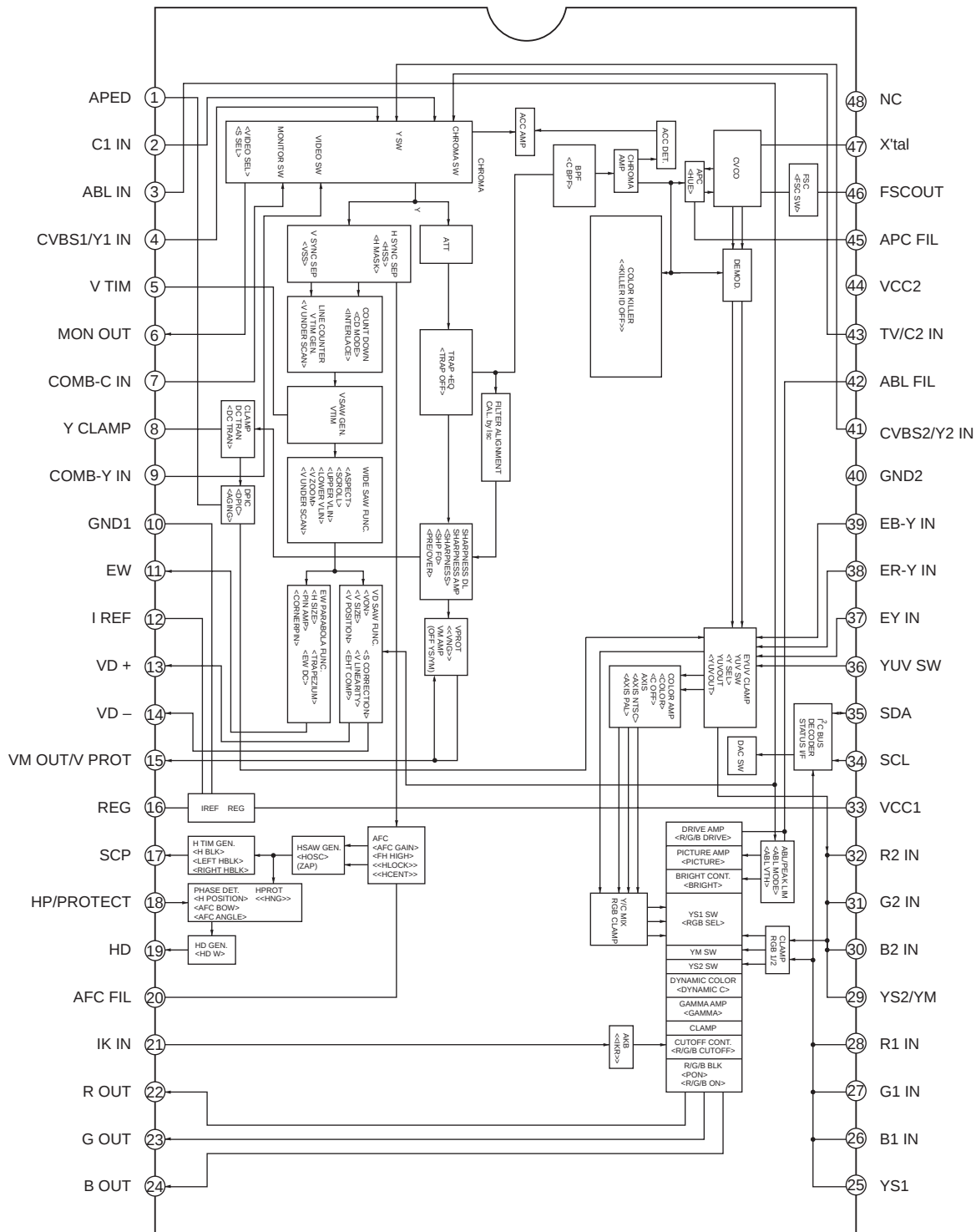
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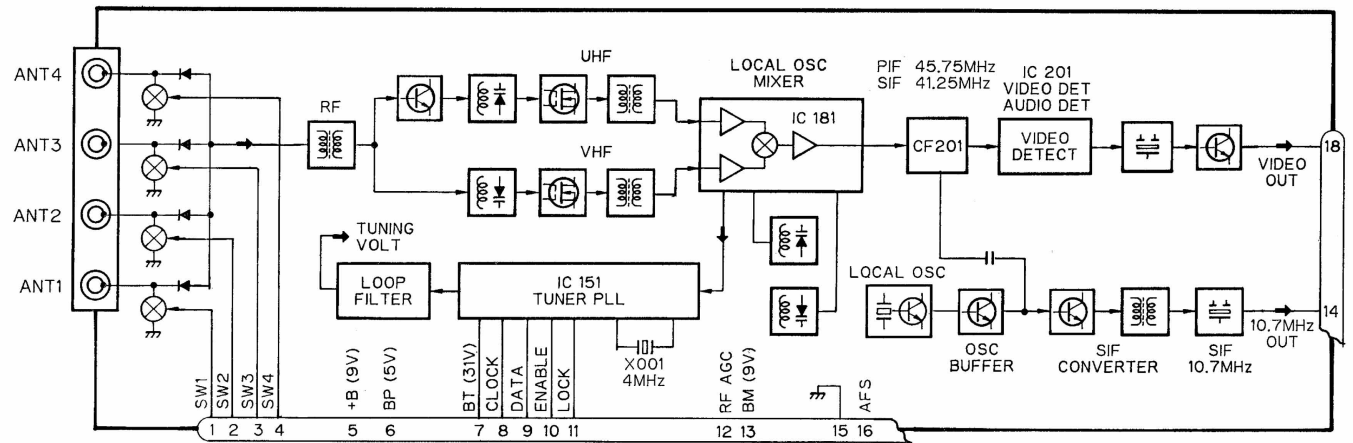
CXA2060BS



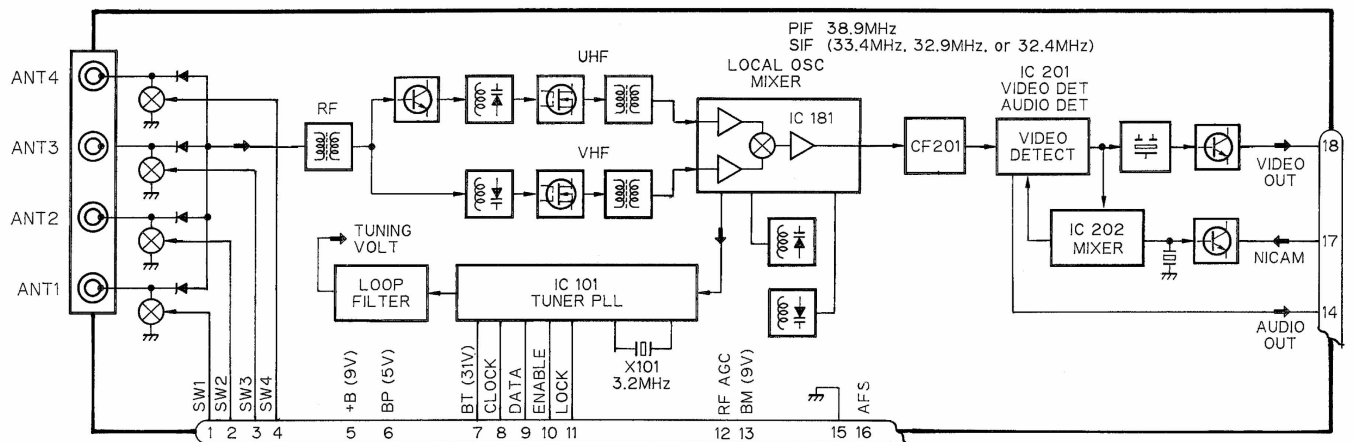
CXA2061S



● TV Front End (FE1001:CWB1085)



● TV Front End (FE1001:CWB1086)



7.2 CIRCUIT DESCRIPTION

● Multi-SIF

GEX-P7000TVP/EW and /ES adopt the multi-Sound IF method in order to support overseas TV broadcasting methods. /EW and /ES are compatible with broadcasting methods B, G, H, D, K and I.

The frequency difference between the video and sound carriers is 5.5 MHz for broadcasting methods B, G and H, 6 MHz for I or 6.5 MHz for D and K.

In order to simplify the receiver configuration, the circuit is configured to control the local oscillator so that the video IF turns 38.9 MHz.

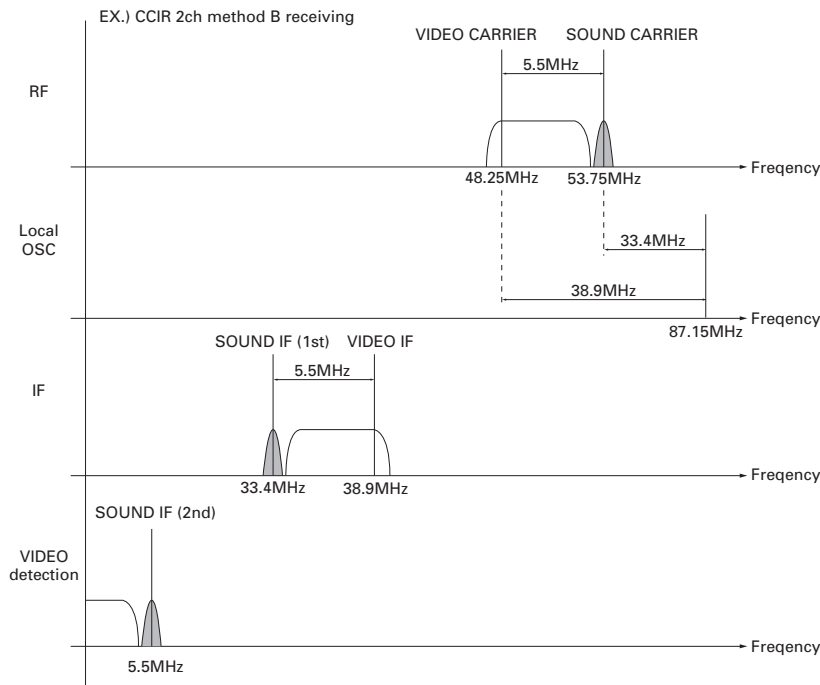
When the video IF is 38.9 MHz, the sound IF turns 33.4 MHz for methods B, G and H, 32.9 MHz for I or 32.4 MHz for D and K.

Although video demodulation is now possible with a fixed frequency of 38.9 MHz, detection with the above settings is uneconomical since the frequencies of the sound IF differ between each method as shown above.

By square-law-detecting the video IF of 38.9 MHz, the video signal returns to the base band signal and the sound IF turns as follows:

- B, G and H: 33.4 MHz → 5.5 MHz
- I: 32.9 MHz → 6 MHz
- D and K: 32.4 MHz → 6.5 MHz

As shown above, the sound IF is converted into 5.5 MHz, 6 MHz or 6.5 MHz.



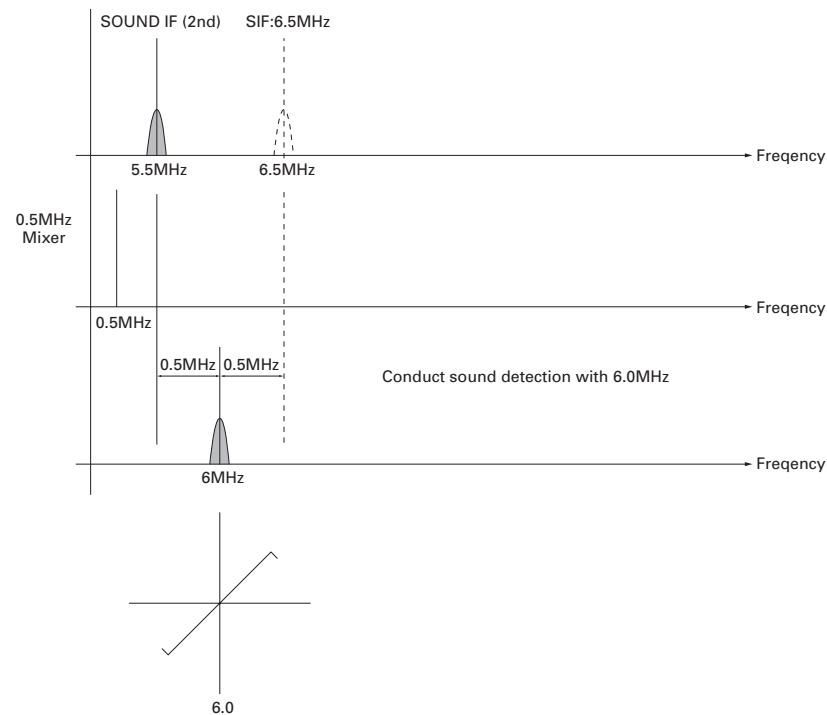
Since detection circuits cannot be unified into one even with the above conversion, turn the IF to 6.0 MHz for all methods by utilizing a frequency difference of 0.5 MHz between each IF.

When IF = 5.5 or 6.5 MHz: Mix an oscillator of 0.5 MHz to turn it to 6.0 MHz.

6.0 MHz: Nothing is to be mixed.

In other words, by turning a mixer of 0.5 MHz on for methods B, G, H, D and K or off for I, sound detection is enabled with only one detection circuit of 6.0 MHz.

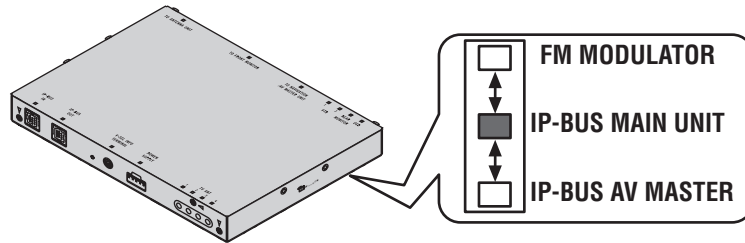
The multi-SIF refers to such a method as explained above which enables SIFs of each method (B, G, H, D, K and I) to be detected.



8. OPERATIONS AND SPECIFICATIONS

8.1 OPERATIONS

MODE Switch Setting



Set the MODE switch on the bottom of this product to the appropriate position with a pen tip or other pointed instrument, for the component you are combining it with. Operations may differ slightly in each MODE.

(1) AV MASTER MODE (IP-BUS AV MASTER)

When combining with a PIONEER Audio Visual Master Unit (e.g. AVM-P7000R):

- Audio is output from the Audio Visual Master Unit's TV source.
- Perform operations with this product and the Audio Visual Master Unit.

(2) IP-BUS MODE (IP-BUS MAIN UNIT)

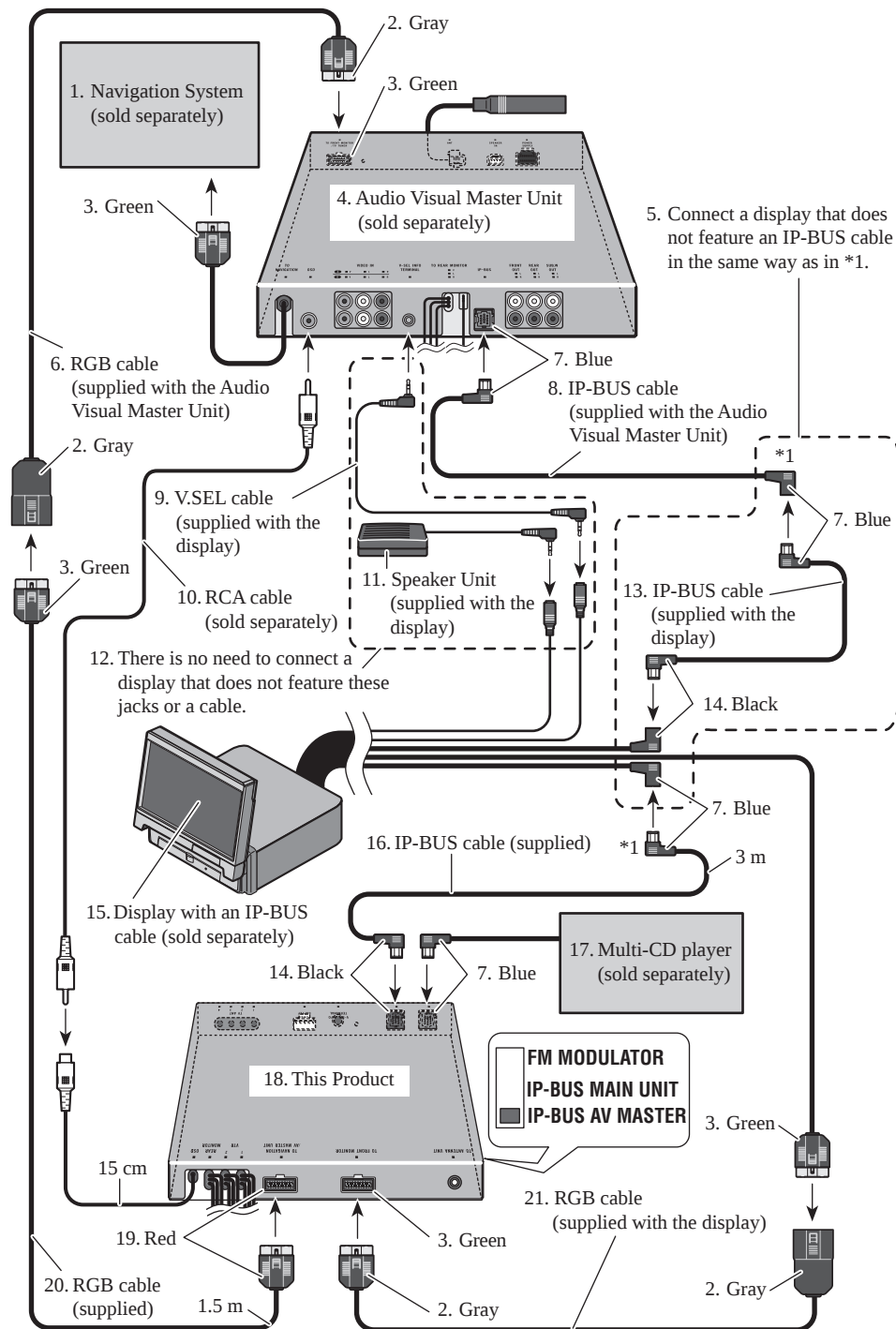
When combining with a PIONEER Head Unit featuring an IP-BUS input:

- Audio is output from the Head Unit's TV source.
- Perform operations with this product and the Head Unit.

(3) ADD-ON MODE (FM MODULATOR)

When combining with a car stereo with FM reception capability and using an FM MODULATOR (supplied):

- Audio is output from the car stereo's FM source.
- Perform all operations with this product.



● GEX-P7000TVP/EW

Power source	14.4 V DC (10.8 — 15.1 V allowable)
Grounding system	Negative terminal

TV tuner

Reception channel/TV system COUNTRY 1: (CCIR/B, G, H, K) : VHF 2 — 12 ch, UHF 21 — 69 ch
COUNTRY 2: (ITALY/B, G, H, K) : VHF 1 — 12 ch, UHF 21 — 69 ch

COUNTRY 3: (UK/I): UHF 21 — 69 ch
COUNTRY 4: (QIBT/C, H, D, K): VHF B1 — B12 ch, UHF 21 — 69 ch

Color system	PAL/SECAM compatible
Usable sensitivity	26 dBu

Video S/N Over 35 dB (59 dBμ RF input, White Peak 100 %)
Video S/N 30 dB usable sensitivity 50 dBμ

Video input level Sound: 1 Vrms/5 K Ω
Video: 1 Vp-p/75 Ω

FM modulator Frequency: 87.9 — 90.1 MHz (200 kHz, 12 steps)

Antenna input 4 ch Diversity (ϕ 3.5 mm Mini plug type)

Video 1 Vp-p/75 Ω (TV: White 100 % Modulated)
Sound 500 Vrms/Less than 1 k Ω (TV: 100 % Modulated)

Video 1 Vp-p/75 Hz (1 V: White 100 % Modulated)
Sound 500 Vrms/Less than 1 kΩ (TV: 100 % Modulated)

PAL/SECAM/NTSC compatible through outputs from TV/VTR 1/VTR 2

- Specifications and the design are subject to possible modification without notice due to improvements.

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