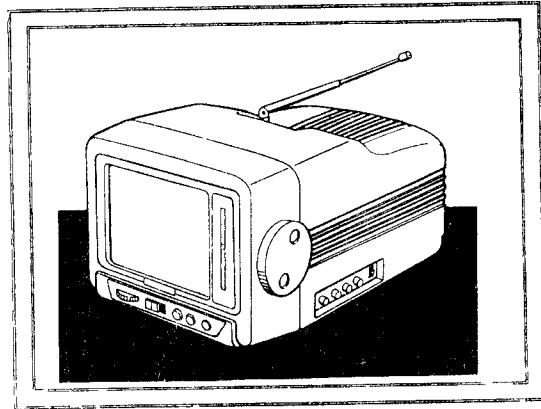


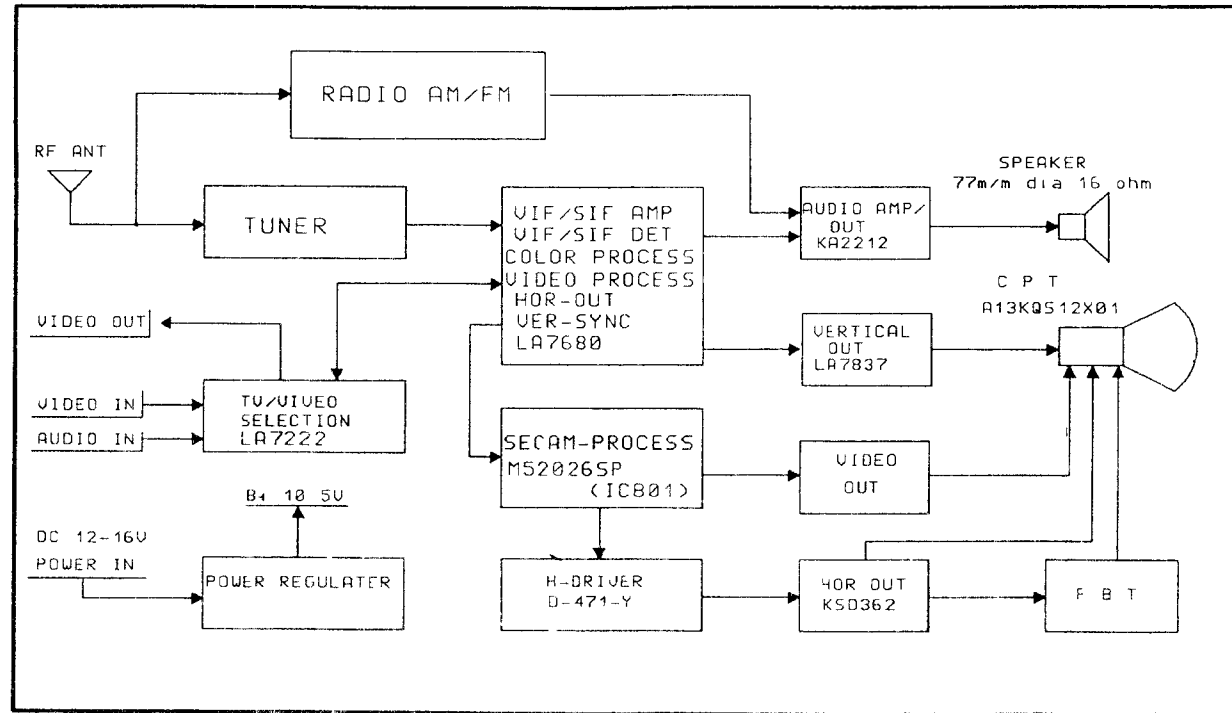
* BLOCK DIAGRAM *

SW5101R(PSBDNN)

PAL, SECAM-B/G,D/K,NTSC 4.43,NTSC 3.58
5" COLOR TELEVISION WITH AM/FM RADIO



MODEL NO.: SW5101R-PSBDNN



* 1. MAIN PCB

LOCATION NO	CODE NO	DESCRIPTION	SPECIFICATION	LOCATION NO	CODE NO	DESCRIPTION	SPECIFICATION
H 07	01-80284-380	R-CARBON	RD 1/6W T 39-J	C410	141-80588-271	C-CERAMIC	CC B 500V T 270PF-J
H338	101-80284-750	R-CARBON	RD 1/6W T 75-J	C202	150-00115-332	C-POLYESTER	C0921M 100V T 0 0033uF-K
H105 116 130 336 410	101-80284-101	R-CARBON	RD 1/6W T 100-J	C408	150-00145-152	C-POLYESTER	C0921M 100V T 0 0015uF-K
412				C319	150-00145-472	C-POLYESTER	C0921M 100V T 0 0047uF-K
F380	101-80284-181	R-CARBON	RD 1/6W T 180-J	C112, 113, 207, 321 338	150 00145-103	C-POLYESTER	C0921M 100V T 0 01uF-K
R101	101-80284-221	R-CARBON	RD 1/6W T 220-J	C40 109 419, 502			
R318 409	101-80284-331	R-CARBON	RD 1/6W T 330-J	C403	150-00145-333	C-POLYESTER	C0921M 100V T 0 033uF-K
R103 311	101-80284-391	R-CARBON	RD 1/6W T 390-J	C-17	150-00145-683	C-POLYESTER	C0921M 100V T 0 068uF-K
F355	101-80284-561	R-CARBON	RD 1/6W T 560-J	C210 402	150-00115 104	C-POLYESTER	C0921M 100V T 0 01uF-K
P117	101-80284-82	R-CARBON	RD 1/6W T 820-J	C412		C-METAL POLYPROPYLENE	C0921M 250V 0 047uF-J
R119 123, 27 129 135	101-80284-102	R-CARBON	RD 1/6W T 1K-J	C413		C-METAL POLYPROPYLENE	C0921M 250V 0 01uF-J
204 330 332 334 339				C104 115 116 119, 201	160-80746-478	C-ELECTROLYTIC	CE04W 50V T 0 47uF
342 347 359 368 501				320 329 330			
F451	101-80204-127	R-CARBON	RD 1/6W T 1 2K-J	C126 324, 325 339, 345	160-80746-010	C-ELECTROLYTIC	CE04W 50V T 1u
R106	101-80284-152	R-CARBON	RD 1/6W T 1 5K-J	C40 404 407 415			
C15	101-80284-182	R-CARBON	RD 1/6W T 1 8K-J	C102, 342	160-80746-229	C-ELECTROLYTIC	CE04W 50V T 2 2uF
R121 346	101-80284-222	R-CARBON	RD 1/6W 2 2K-J	C380 701	160-80716-479	C-ELECTROLYTIC	CE04W 50V T 4 7uF
R108 109 128 349 356	101-80284-272	R-CARBON	RD 1/6W T 2 7K-J	C103, 105 106, 114 341, 341 346, 114-1	160-80446-100	C-ELECTROLYTIC	CE04W 16V T 10uF
C120 704 357				C203, 208 325 332			
C120 350 403 405	101-80284-332	R-CARBON	RD 1/6W 3 3K-J	C323, 331 325 332	160-80446-470	C-ELECTROLYTIC	CE04W 16V 47uF
R50	101-80284-392	R-CARBON	RD 1/6W 3 9K-J	C107, 211, 318 327	160-80446-221	C-ELECTROLYTIC	CE04W 16V 220uF
C122 361 901 902	101-80284-472	R-CARBON	RD 1/6W 4 7K-J	C204, 702 508	160-80416-471	C-ELECTROLYTIC	CE04W 16V 470uF
C132 118 344 362	101-80284-562	R-CARBON	RD 1/6W T 5 6K-J	C504	160-80416-102	C-ELECTROLYTIC	CE04W 16V 1000uF(S)
C30 150 705 106	101-80284-682	R-CARBON	RD 1/6W T 6 8K-J	C414	160-80616-101	C-ELECTROLYTIC	CE04W 35V 100uF
C133	101-80284-752	R-CARBON	RD 1/6W T 7 5K-J	C518	160-80616-102	C-ELECTROLYTIC	CE04W 35V 1000uF
R404	101-80284-223	R-CARBON	RD 1/6W T 22K-J	C416	160-80516-100	C-ELECTROLYTIC	CE04W 25V 10uF(NF-NP)
C111 1 133 134 202	101-80284-103	R-CARBON	RD 1/6W T 10-J	C507	160-81016-100	C-ELECTROLYTIC	CE04W 160V 10uF
C303 304 306 308 313				C503	162-80815-229	C-TANTAL	35V 2 2uF-K
C314 315 321 326, 327					162-80815-010	C-TANTAL	35V 1uF-K
C328 329 340 341 351							

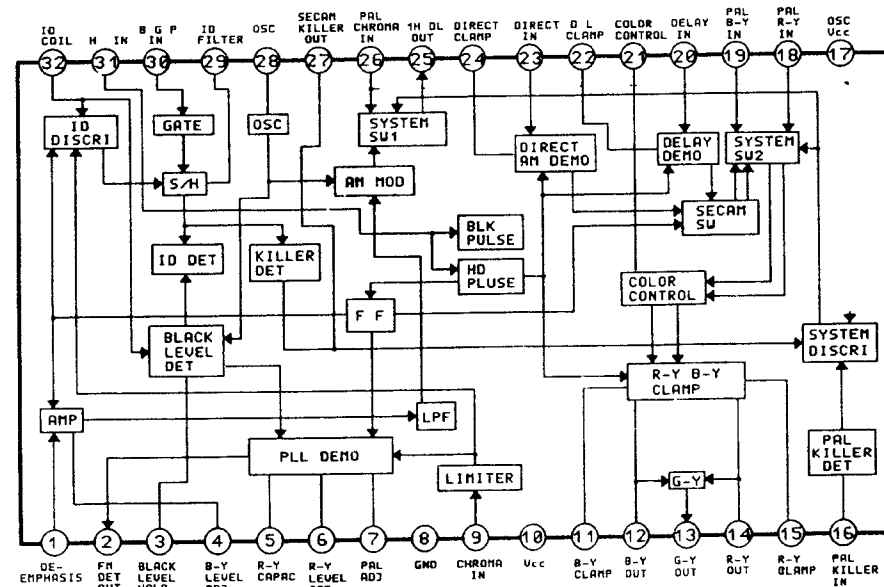
IC701	210-00030-000	I C	KA22495
IC702	210-00020-000	I C	KA22471
CF701	221-00100-000	FILTER-CERAMIC	SFE 'O 7 MA 5-A
BPF701	227-00100-000	FILTER BAND-PASS	PFWB4
Q701	213-10228-000	T R	C1923 OR C1674-D
Q702	213-10228-003	T R	C1815-Y OR C945-D Y
Q703	213-10228-003	T R	C1815-Y OR C945-Y
D702	216-50000-000	DIODE-VARICAP	D2236 OR KS-3302
D704	216-30000-000	DIODE-DETECTOR	IN60
D703	216-40000-000	DIODE-ZENER	1/2W 5 1V
C714	140-00281-010	C-CERAMIC	50V T 1PF-J
C707	140-00281-070	C-CERAMIC	50V T 7PF-J
C706, 719	140-00281-080	C-CERAMIC	50V T 9PF-J
C705, 708	140-00281-180	C-CERAMIC	50V T 18PF-J
C709	140-00281-220	C-CERAMIC	50V T 22PF-J
C701, 702, 703, 710, 173, 725	141-80288-102	C-CERAMIC	50V T 0.001uF
C717, 728	141-80228-103	C-CERAMIC	50V T 0.01uF
C711, 716, 726	101-80284-331	C-CERAMIC	50V T 0.022uF
C715	141-80288-473	C-CERAMIC	50V T 0.047uF
C729, 731	141-80188-104	C-CERAMIC	50V 0 1uF
C723	180-80446-478	C-ELEC	16V T 0.47uF
C718, 720	180-80446-220	C-ELEC	16V 22uF
C712, 721	180-80446-470	C-ELEC	16V 47uF
C724	180-80446-101	C-ELEC	16V 100uF
C727, 730	180-80516-100	C-ELEC	16V 10uF
C722	150-00115-223	C-PLESTER	CQ921M 100V T 0.022uF-X
R703, 707	101-80284-100	R-CARBON	1/8W T 10-J
R706	101-80284-470	R-CARBON	1/8W T 47-J
R702	101-80284-121	R-CARBON	1/8W T 120-J
R721	101-80284-331	R-CARBON	1/8W T 330-J
R705	101-80284-102	R-CARBON	1/8W T 1K-J
R718	101-80284-122	R-CARBON	1/8W T 1 2K-J
R720	101-80284-182	R-CARBON	1/8W T 1 8K-J
R701	101-80284-222	R-CARBON	1/8W T 2 2K-J
R715	101-80284-272	R-CARBON	1/8W T 2 7K-J
R708	101-80284-472	R-CARBON	1/8W T 4 7K-J
R709	101-80284-223	R-CARBON	1/8W T 22K-J
R722	101-80284-333	R-CARBON	1/8W T 33K-J
R719	101-80284-563	C-CARBON	1/8W T 56K-J
R710	101-80284-683	C-CARBON	1/8W T 68K-J
R711, 713, 716	101-80284-104	C-CARBON	1/8W T 100K-J
R712	101-80284-224	C-CARBON	1/8W T 220K-J
R704	101-80284-334	C-CARBON	1/8W T 330K-J
R717	101-80404-221	R-CARBON	1/2W 220-J
L701	240-00000-001	COIL-SPRING	T 0 6x4 6xN5 (FM RF)SPONGE
L702	240-00000-000	COIL-SPRING	T 0 6x4 6xN4 (FM OSC)SPONGE
T701	271-11100-000	I F T	FA (7x7)
T702	271-11010-000	I F T	AO (7x7)
T703	271-11000-000	I F T	FD (7x7)
T704	271-11100-001	I F T	FD (7x7)
T705	271-11000-001	I F T	AA (7x7)
L703	250-81200-000	AM ANT COIL	HUNICON
T702	271-11010-000	I F T	AO (7x7)
PVC701	181-80102-000	VARICON	LF2220T2-W6
FM-AM5	305-70000-000	WIRE-LEAD	(110REC SLEEVE)AWG#22 220m/m
CON205	338-89000-000	WAFER	GIL-G-4P-S3T2-E

R387	R-CARBON	RD 1/4W T 330-J
C349, 351, 352	C-CERAMIC	CC B 50V 0 01uF-Z
C350	C-ELECTROLYTIC	CE04W 16V 47uF
IC303	IC	LA7975
X306	RESONATOR	CSB500E
X304	CERAMIC FILTER	SFE5 5MBF
X305	CERAMIC FILTER	SFE6 5MBF
X307	CERAMIC FILTER	SFE6 0MBF
CON5	WAFER	4P(GIL-G-4P S3T2-E)

* 6. ACCESSORY

LOCATION NO	CODE NO	DESCRIPTION	SPECIFICATION
	286-11416-000	AC ADAPTOR	KSA-1416C AC110/220V 50/60Hz
	308-20000-002	CORD CAR	HJ 174--04IN (3A)
	331-89000-003	ANT MATCHING UNIT	JW-3075
	422-19000-001	EARPHONE	SE-200 #3 5

SECAM SYSTEM CHROMA SIGNAL PRINCIPAL M52026SP



● MAIN BOARD

* IC301(LA7680) VOLTAGE CHECK

1	2	3	4	5	6	7	8	9	10
4.58V	5.72V	4.47V	5.61V	3.97V	GND	4.68V	4.68V	5.24	6.95~8V
11	12	13	14	15	16	17	18	19	20
9.21V	5.83V	9.5V	0.58V	0.77V	6.07V	6.04V	2.66V	6.48	2.66V
21	22	23	24	25	26	27	28	29	30
5.48V	4.55V	5.44V	5.08V	7.72V	-1.12V	0.57V	5.32V	5.83V	7.8V
31	32	33	34	35	36	37	38	39	40
4.25V	4.74V	7.25V	GND	4.31V	2.48V	5.6V	1.84V	5.63V	5.41V
41	42	43	44	45	46	47	48		
6.28V	3~3.6V			4.6V	8.3V	4.93V	4.93V		

* IC302(LA7222) VOLTAGE CHECK

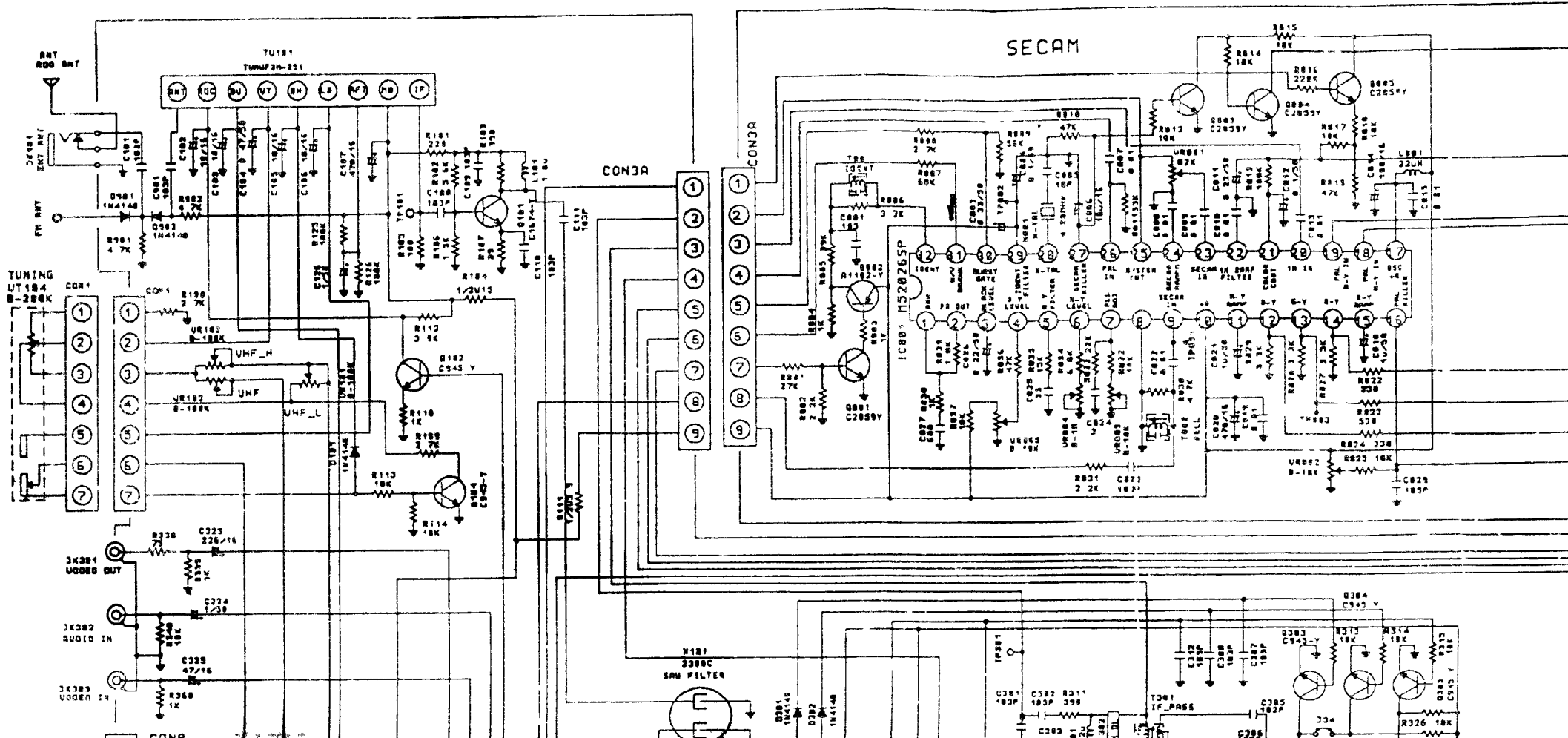
1	2	3	4	5	6	7	8	9	10	11	12
GND	9.25V	GND	9.24V	5.93V		5.92V	5.2V	0.2V	0.2V	5.18V	5.84V

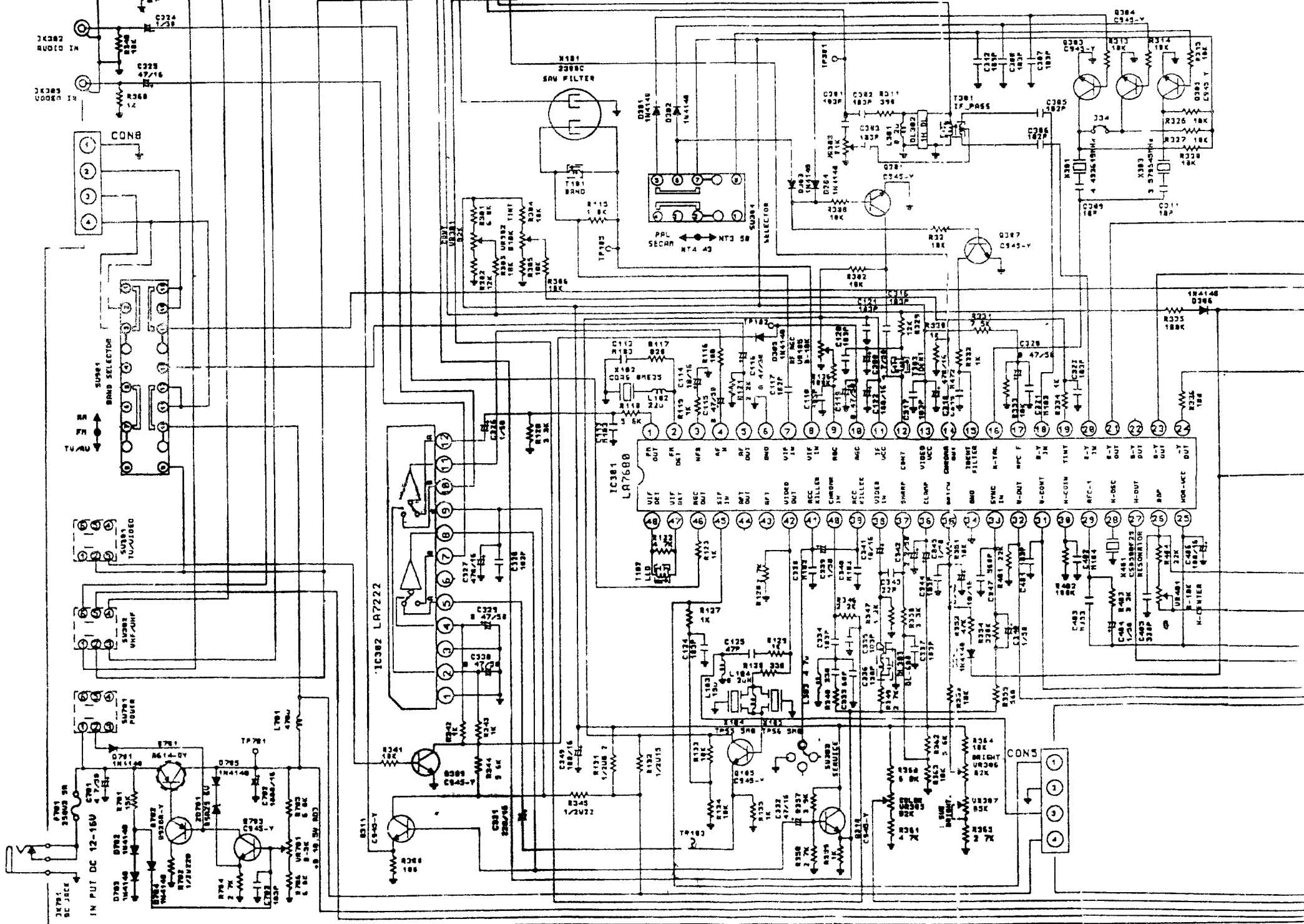
* IC501(LA7837) VOLTAGE CHECK

1	2	3	4	5	6	7	8	9	10
7.52V	4.73V	3.75V	3.79V	3.04V	3.65V	3.62V	16.45V	GND	1.1V

* IC201(KA2212) VOLTAGE CHECK

1	2	3	4	5	6	7	8	9
0V	6V	6V	5.2V	5.2V	5.2V	10V	10V	2.6V



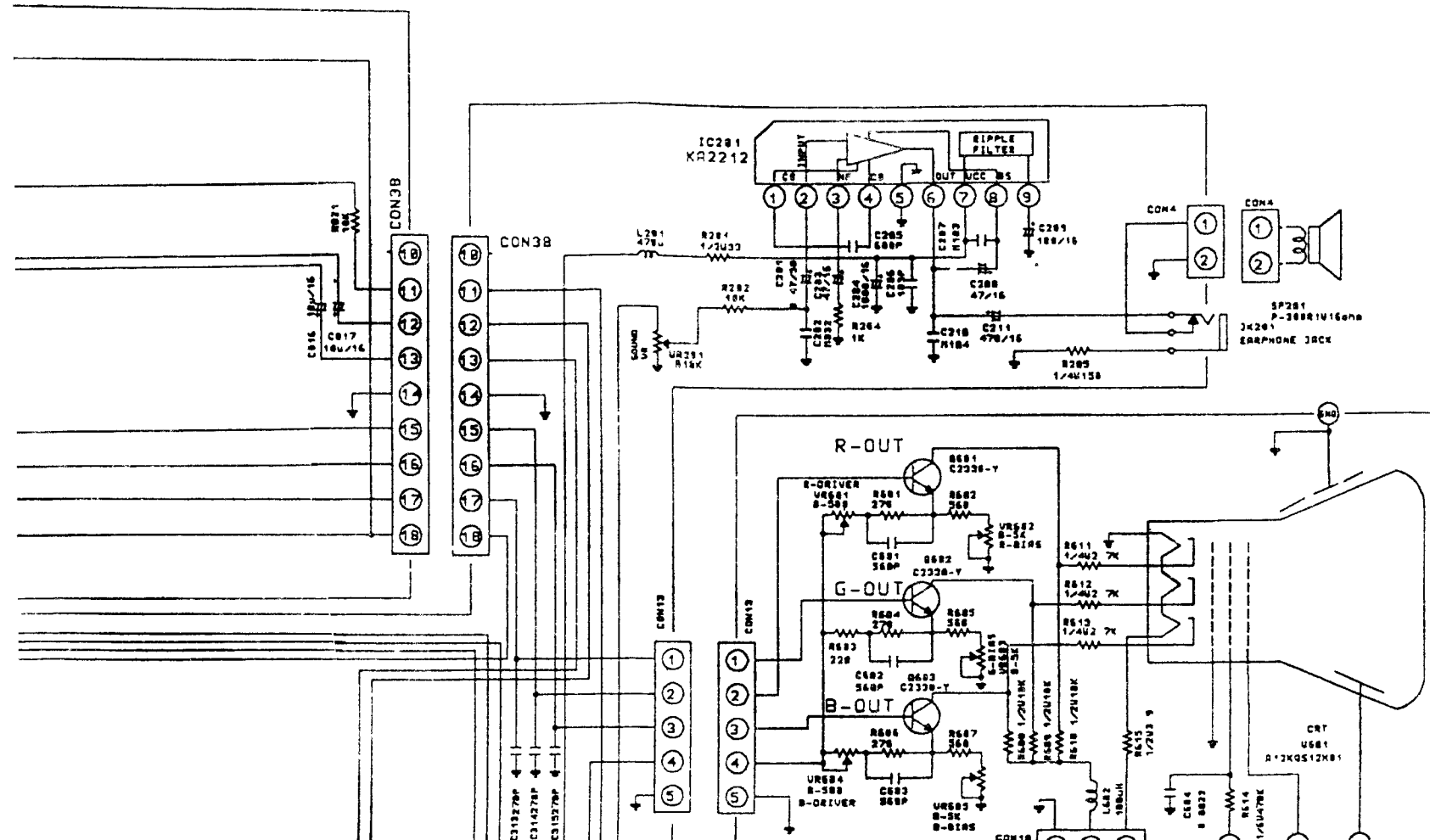
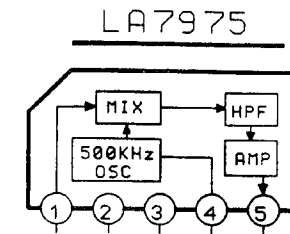
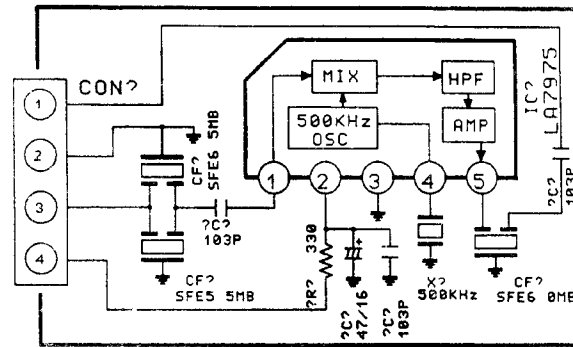


● SECAM BOARD

★ IC801(M52026SP) VOLTAGE CHECK

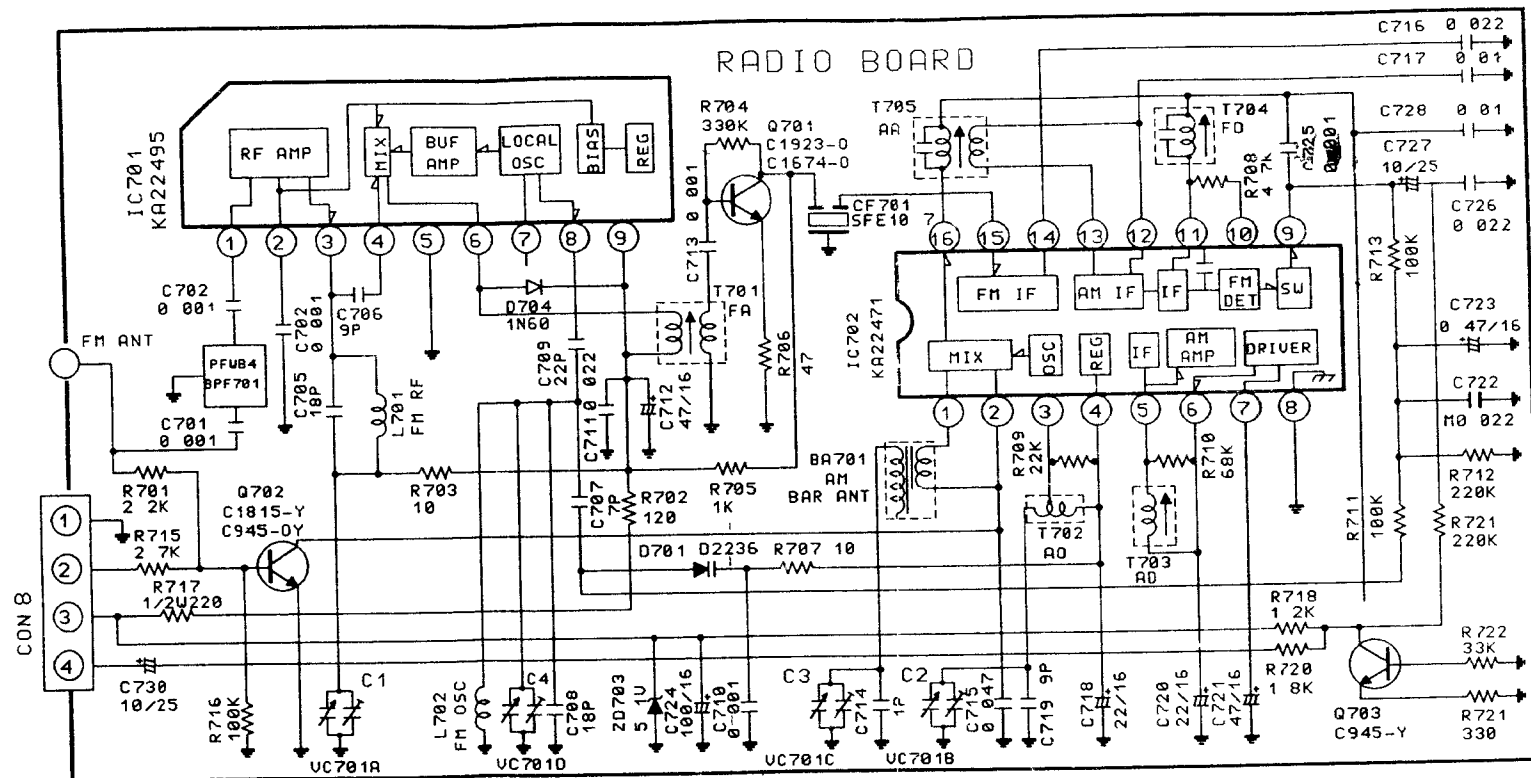
1	2	3	4	5	6	7	8	9	10
1.87V	1.87V	2.46V	3.30V	3.20V	2.61V	2.54V	GND	2.63V	9.82V
11	12	13	14	15	16	17	18	19	20
3.57V	5.62V	5.84V	5.86V	3.56V	1.6mV	9.81V	3.45V	3.45V	4.06V
21	22	23	24	25	26	27	28	29	30
4.73V	6.52V	4.06V	6.53V	4.81V	7.43V	11.4mV	3.15V	8.07V	0.45V
31	32								
1.09V	24.2mV								

1. LA7975 2. BLOCK DIAGRAM





25



● RADIO BOARD

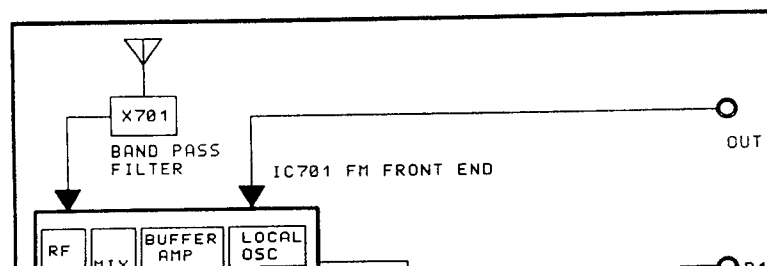
* IC701(KA22495) VOLTAGE CHECK

1	2	3	4	5	6	7	8	9
0.89V	1.60V	4.14V	1.56V	GND	4.15V	3.35V	4.02V	4.11V

* IC702(KA22471) VOLTAGE CHECK

1	2	3	4	5	6	7	8	9	10
8.7mV	8.7mV	2.26V	2.26V	1.60V	1.60V	8.20V	700mV	1.90V	4.88V
11	12	13	14	15	16				
1.36V	1.38V	1.36V	1.36V	1.36V	4.88V				

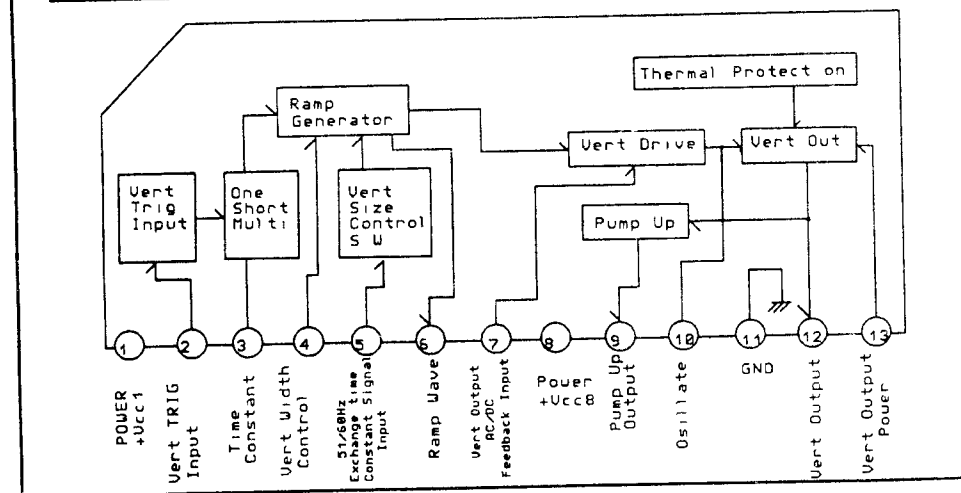
** RADIO BLOCK DIAGRAM **

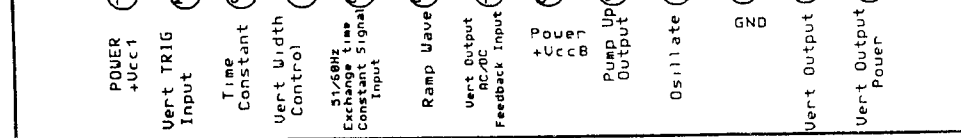


*** LA7837 ***

1 LA7837

2 PIN CONNECTION AND BLOCK DIAGRAM



[illegible]

Pin configuration diagram for the 74VHC04M (14-pin DIP package). The diagram shows a 14-pin package with pins numbered 1 to 12. Pin 1 is NC, Pin 2 is CTL2, Pin 3 is GND, Pin 4 is CTL1, Pin 5 is IN1A, Pin 6 is IN1B, Pin 7 is NC, Pin 8 is OUT1, Pin 9 is VCC, Pin 10 is IN2B, Pin 11 is OUT2, and Pin 12 is IN2A. The internal circuit shows two inverters, CH-1 BUFFER and CH-2 BUFFER. CH-1 BUFFER has inputs A and B, and output OUT1. CH-2 BUFFER has inputs B' and A, and output OUT2. The diagram also shows a feedback loop from OUT1 to IN1B and from OUT2 to IN2A.