

SONY.

TRINITRON® COLOR TV BASIC SCHEMATIC DIAGRAM

KV-2153MT/RM-687C

Chassis No. SCC-D06P

NOTE

**THIS SCHEMATIC DIAGRAM IS FOR USE BY YOUR SERVICE
TECHNICIAN.**

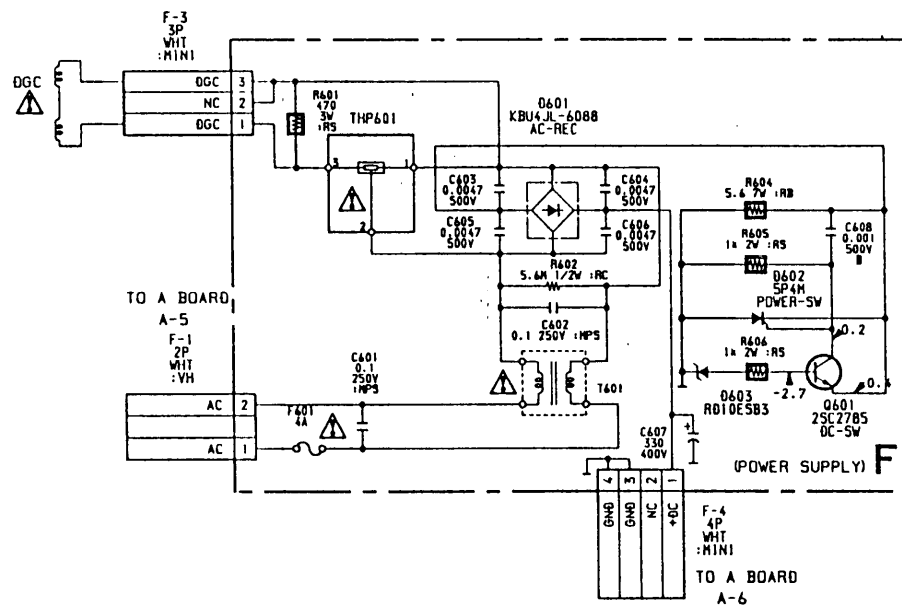
KEEP THIS DIAGRAM HANDY FOR FUTURE REFERENCE.

Sony Corporation






















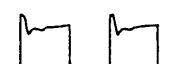






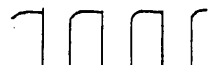

3-751-522-01

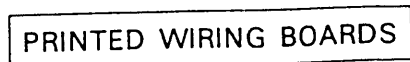
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Printed in Japan

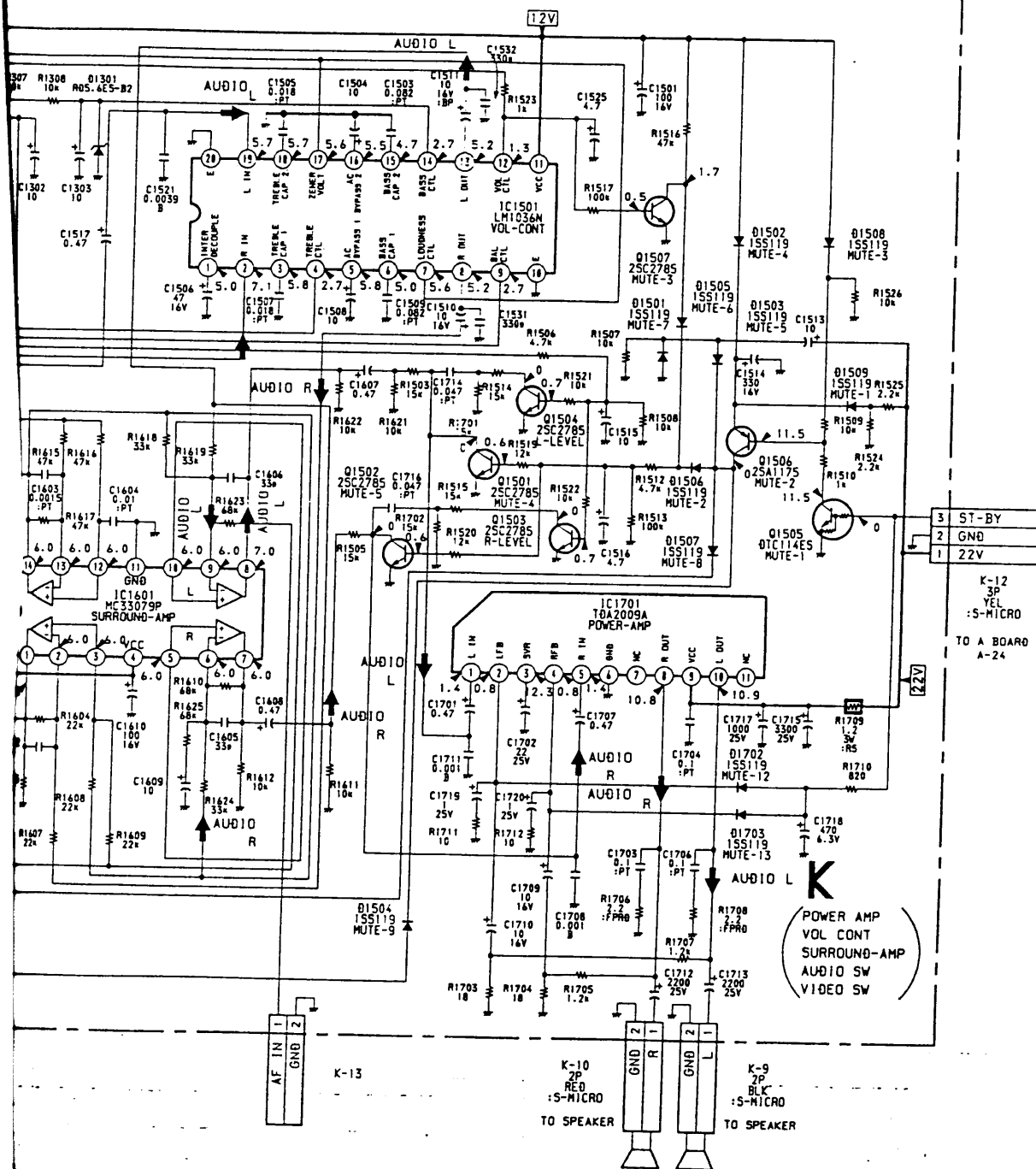


• A BOARD WAVEFORMS

<p>①</p>  <p>1.5Vp-p (10MHZ)</p>	<p>⑤</p>  <p>1.0Vp-p (H)</p>	<p>⑨</p>  <p>0.2Vp-p (3.58MHZ)</p>	<p>⑬</p>  <p>1.4Vp-p (H)</p>	<p>⑰</p>  <p>50Vp-p (V)</p>	<p>⑳</p>  <p>900Vp-p (H)</p>	<p>㉕ SECAM</p>  <p>1.0Vp-p (H)</p>	<p>㉙</p>  <p>10Vp-p (V)</p>
<p>②</p>  <p>1.0Vp-p (H)</p>	<p>⑥ PAL</p>  <p>0.5Vp-p (H)</p>	<p>⑩</p>  <p>4.0Vp-p (H)</p>	<p>⑭</p>  <p>1.4Vp-p (H)</p>	<p>⑱</p>  <p>1.4Vp-p (V)</p>	<p>㉒</p>  <p>19Vp-p (H)</p>	<p>㉖ SECAM</p>  <p>0.8Vp-p (H)</p>	<p>㉚</p>  <p>150Vp-p (H)</p>
<p>③ PAL, NTSC</p>  <p>0.8Vp-p (H)</p>	<p>⑦ PAL</p>  <p>0.5Vp-p (H)</p>	<p>⑪</p>  <p>4.0Vp-p (H)</p>	<p>⑮</p>  <p>2.4Vp-p (V)</p>	<p>⑲</p>  <p>2.0Vp-p (V)</p>	<p>㉓</p>  <p>110Vp-p (H)</p>	<p>㉗ SECAM</p>  <p>1.0Vp-p (H)</p>	
<p>④ PAL</p>  <p>0.8Vp-p (H)</p>	<p>⑧</p>  <p>0.3Vp-p (4.43MHZ)</p>	<p>⑫</p>  <p>4.0Vp-p (H)</p>	<p>⑯</p>  <p>4.0Vp-p (H)</p>	<p>㉔</p>  <p>28Vp-p (H)</p>	<p>㉘</p>  <p>1.3Vp-p (H)</p>	<p>㉛</p>  <p>3.6Vp-p (H)</p>	



Note: All mounting diagrams are viewed from conductor side.



• K BOARD WAVEFORMS

K

[POWER AMP, VOL CONT, SURROUND-AMP]
[AUDIO SW, VIDEO SW]

①



1.0Vp-p (H)

②



2.0Vp-p (H)

③

PAL, NTSC

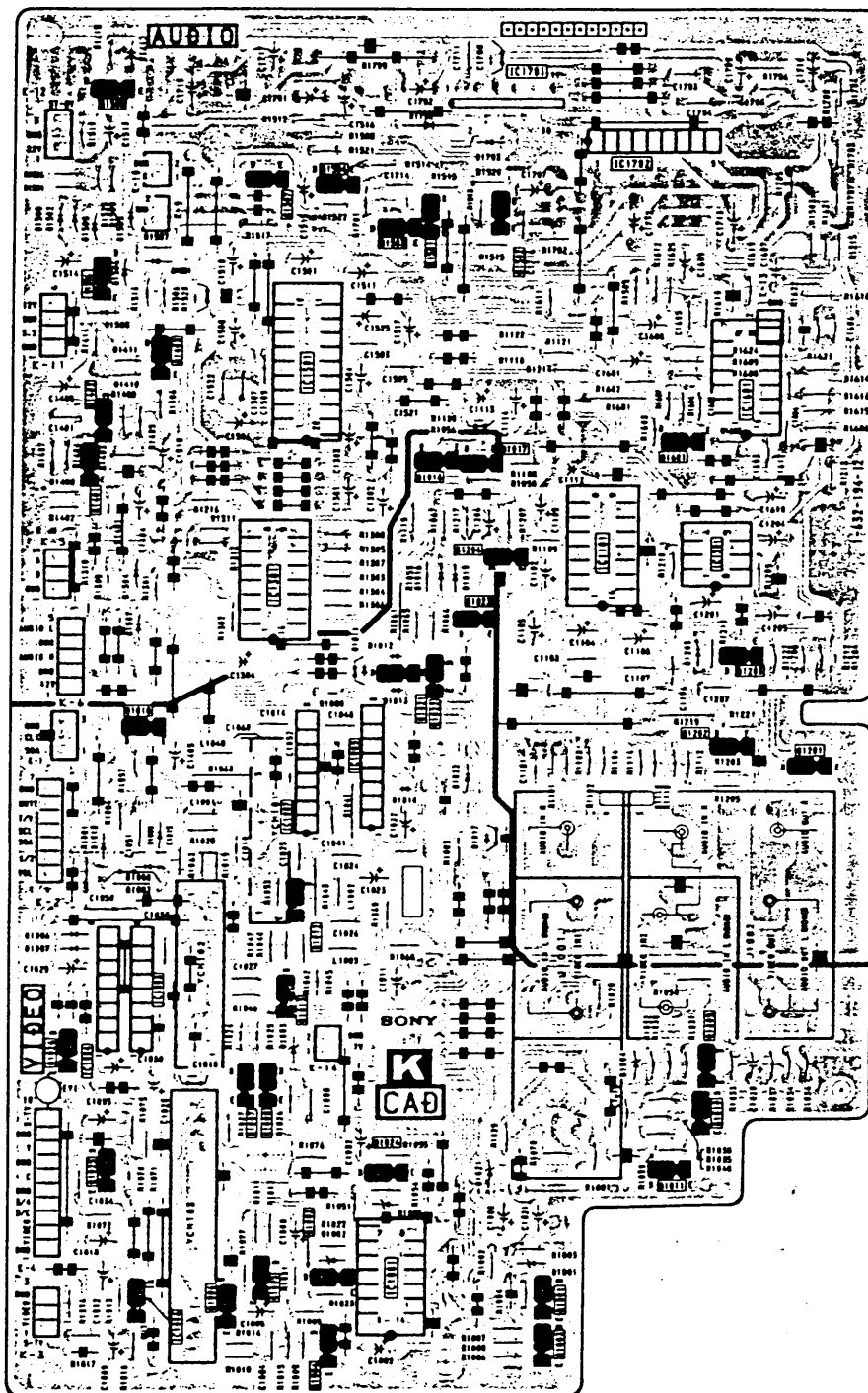


0.4Vp-p (H)

④



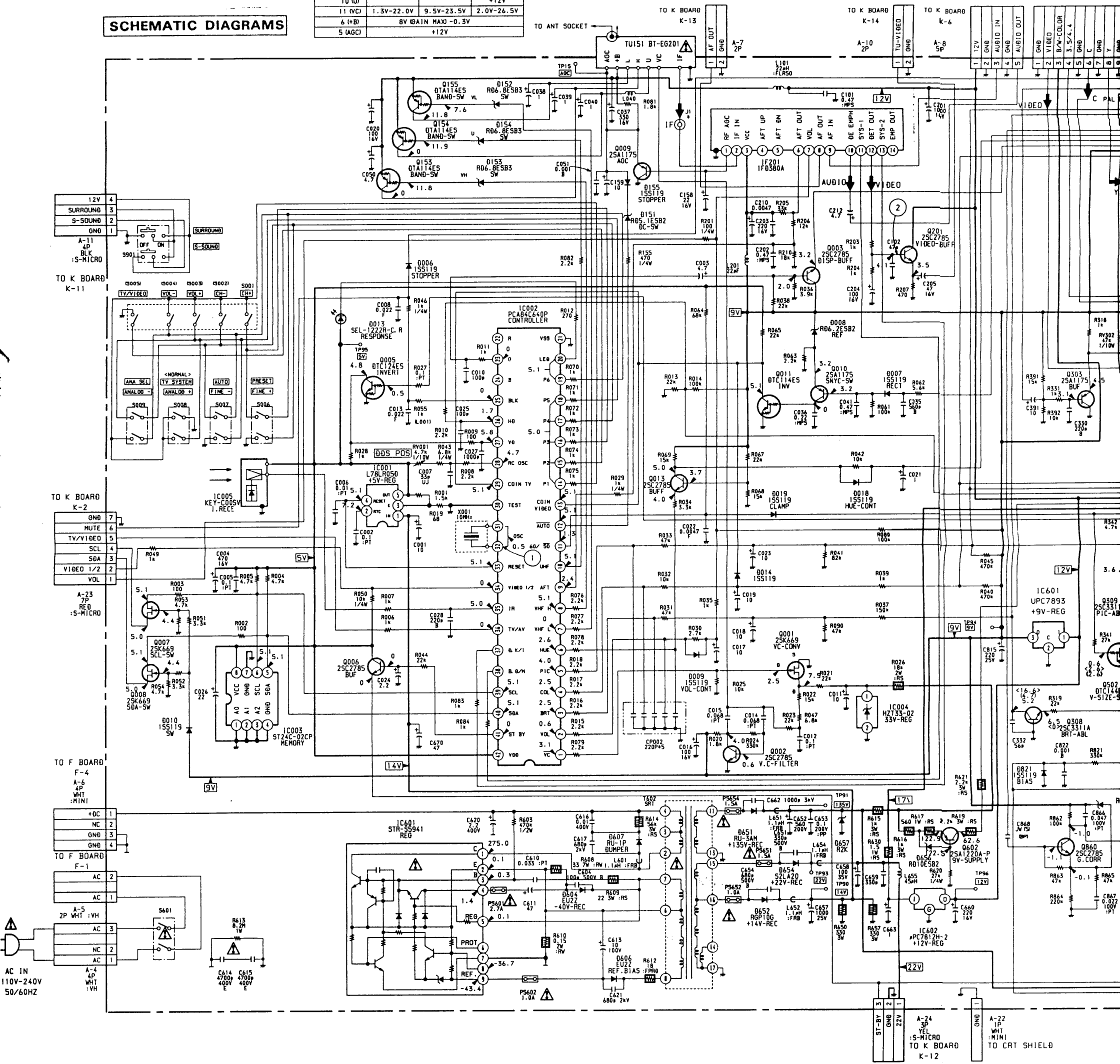
1.0Vp-p (H)

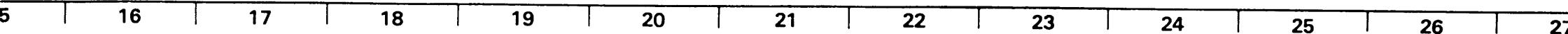


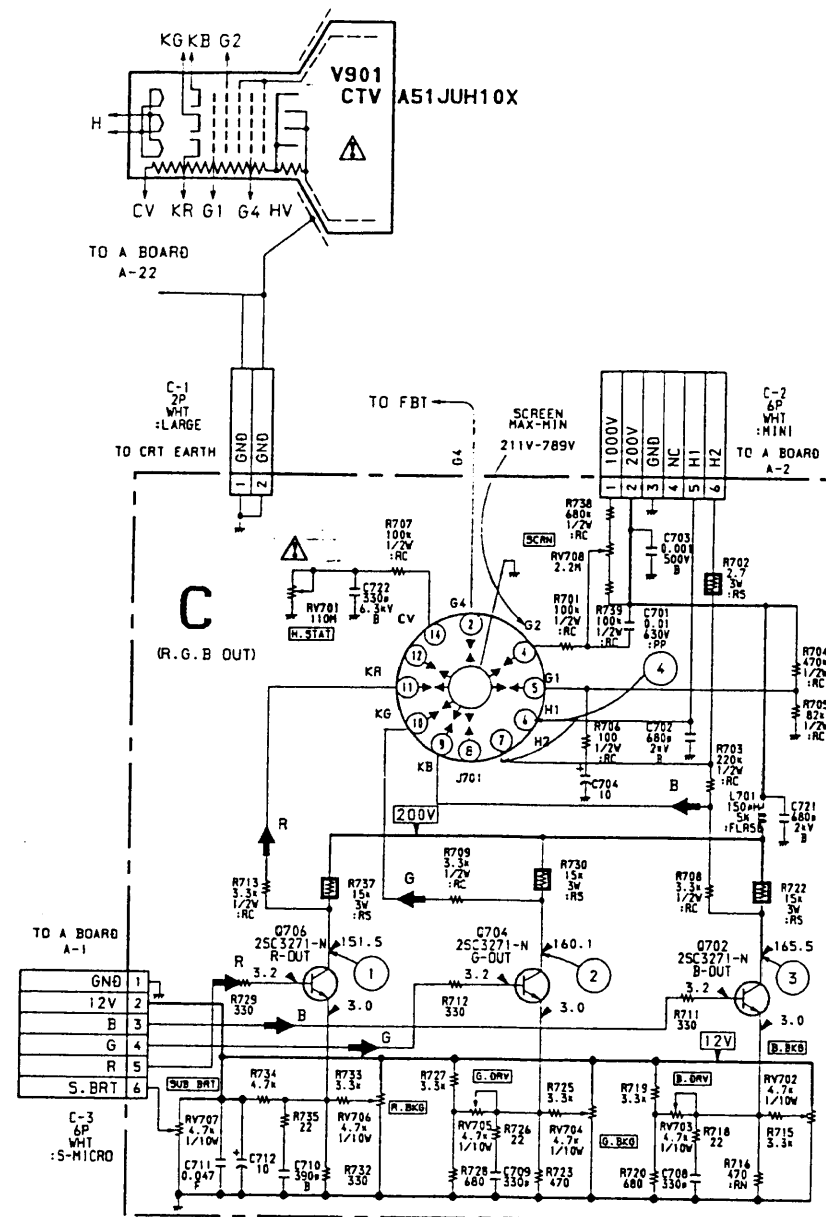
TU151 BT-E6201

BAND	VHF LOW	VHF HIGH	UHF
7 (VL)	+12V		
8 (VH)		+12V	
10 (U)			+12V
11 (VC)	1.3V-22.0V	9.5V-23.5V	2.0V-26.5V
6 (B)	BY GAIN MAXI -0.3V		
5 (AGC)	+12V		

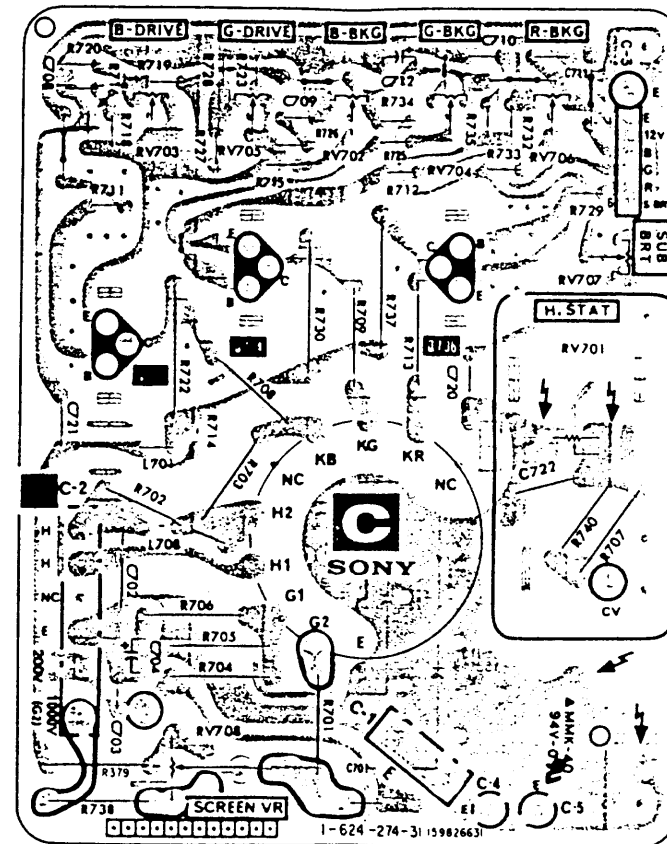
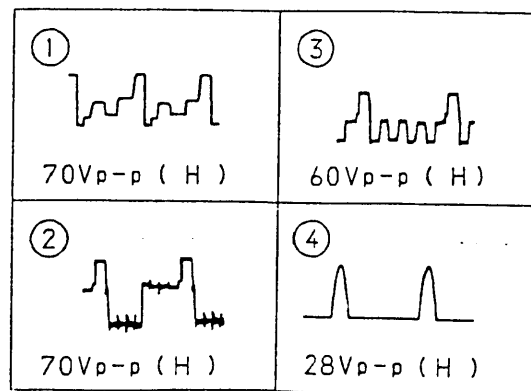
SCHEMATIC DIAGRAMS



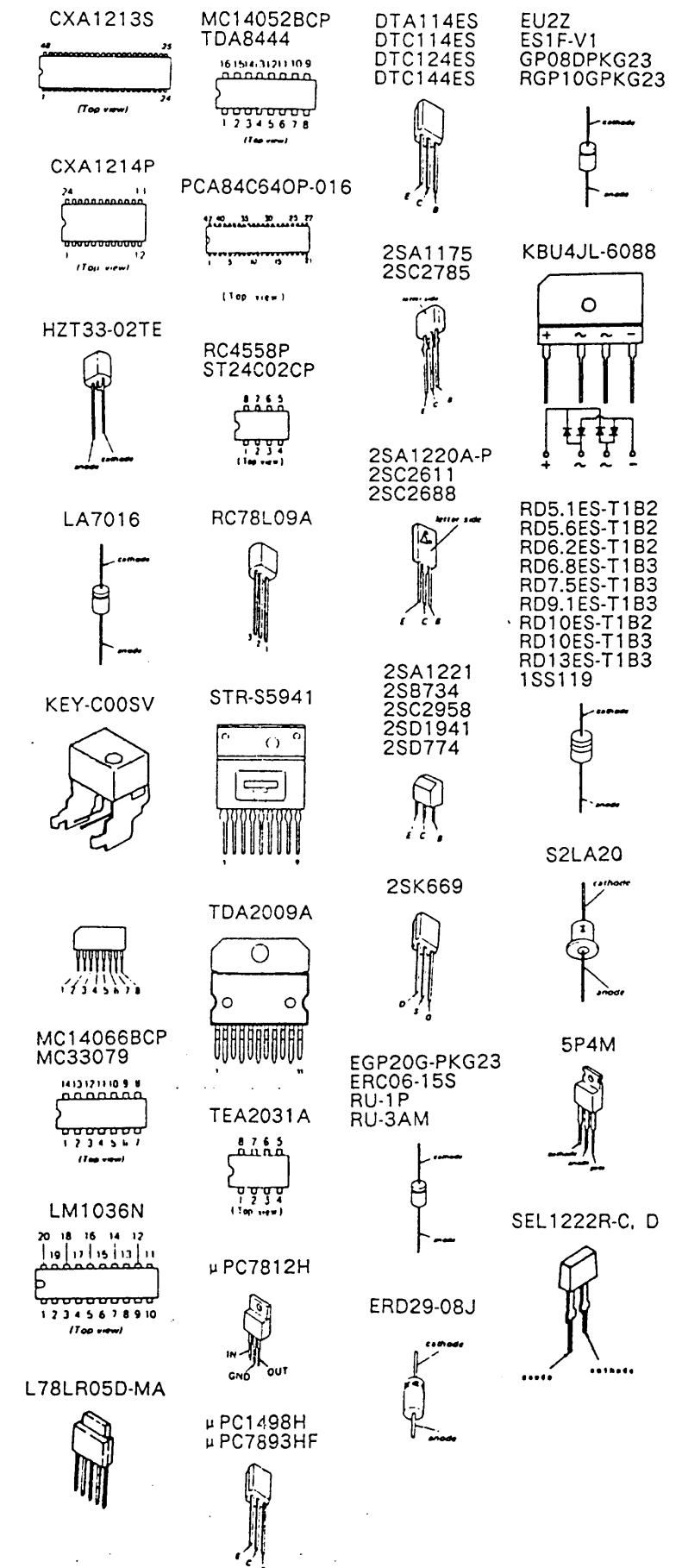




• C BOARD WAVEFORMS

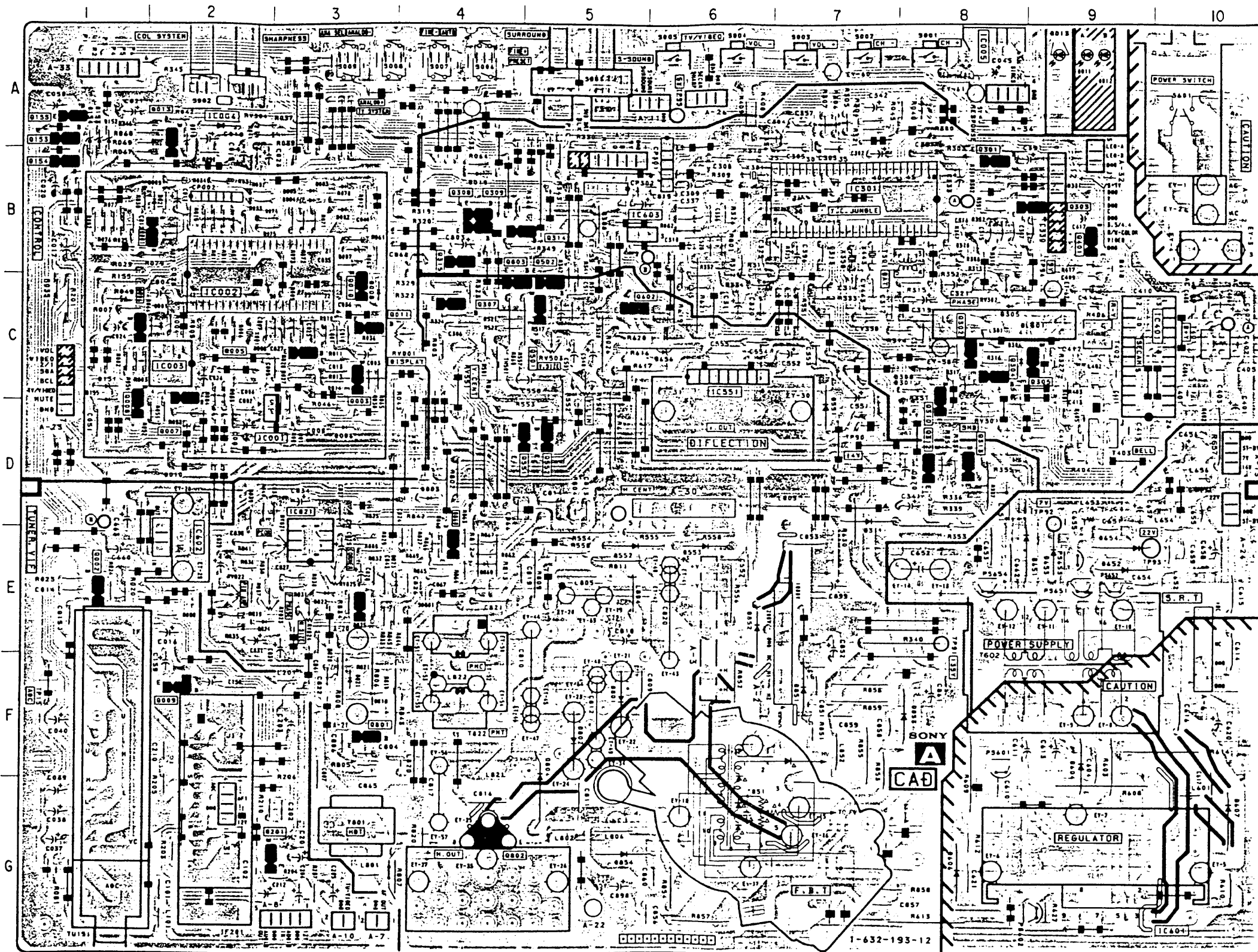


SEMICONDUCTORS



A

SYSTEM CONTROL, MEMORY,
Y/C-JUNGLE, SYSTEM SW,
SECAM DECODER, H.V. OUT



IC			
IC001	D-2	D013	A-9
IC002	C-2	D018	A-2
IC003	C-2	D019	B-4
IC004	A-2	D151	C-1
IC005	A-8	D152	A-1
IC301	B-7	D153	A-1
IC401	C-9	D154	A-1
IC551	C-6	D155	D-1
IC601	G-9	D300	C-8
IC602	E-2	D301	C-8
IC603	B-5	D305	C-8
IC821	D-3	D306	C-8
		D310	B-8
		D311	D-7
		D551	D-7
		D552	E-5
		D553	E-6
		D604	G-9
		D606	G-8
		D607	G-10
		D651	E-8
		D652	E-9
		D653	E-9
		D654	E-9
		D656	C-6
		D801	F-5
		D802	F-5
		D803	D-4
		D804	F-5
		D810	F-3
		D821	F-3
		D822	E-3
		D823	E-3
		D824	E-2
		D825	E-3
		D851	F-7
		D852	E-6
		D853	F-8
		D854	G-5
		D860	E-4
TRANSISTOR			
Q001	B-1		
Q002	E-1		
Q003	C-3		
Q005	C-3		
Q006	C-1		
Q007	D-2		
Q008	D-1		
Q010	C-3		
Q011	C-3		
Q013	A-2		
Q153	A-1		
Q154	B-1		
Q155	A-1		
Q201	G-3		
Q301	B-8		
Q302	C-8		
Q303	B-9		
Q304	C-8		
Q305	C-9		
Q307	C-4		
Q308	B-4		
Q309	B-4		
Q310	D-8		
Q312	D-8		
Q313	D-8		
Q314	B-5		
Q315	B-4		
Q401	B-9		
Q501	C-5		
Q502	C-5		
Q551	D-4		
Q552	D-5		
Q602	C-5		
Q801	F-3		
Q802	G-4		
Q803	C-4		
Q860	E-4		
DIODE			
D006	D-3		
D007	C-3		
D008	C-3		
D009	B-2		
D010	D-1		
		VARIABLE RESISTOR	
		RV001	C-3
		RV301	D-8
		RV302	B-8
		RV304	A-2
		RV502	C-5
		RV503	C-5
		RV551	C-4
		RV821	E-3
		RV822	E-2
		RV823	E-2
		RV824	E-3
		RV825	E-3

F

[POWER SUPPLY]

