

SONY.

TRINITRON® COLOR TV BASIC SCHEMATIC DIAGRAM

KV-27VX1MT/RM-646

Chassis No. SCC-793C

NOTE

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

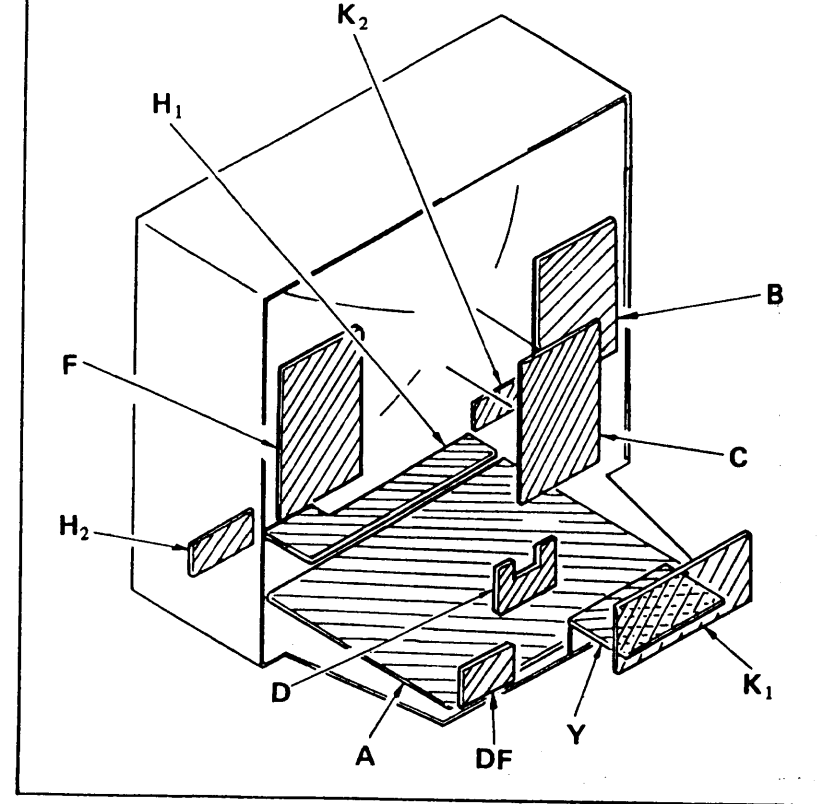
KEEP THIS DIAGRAM HANDY FOR FUTURE REFERENCE.

Sony Corporation

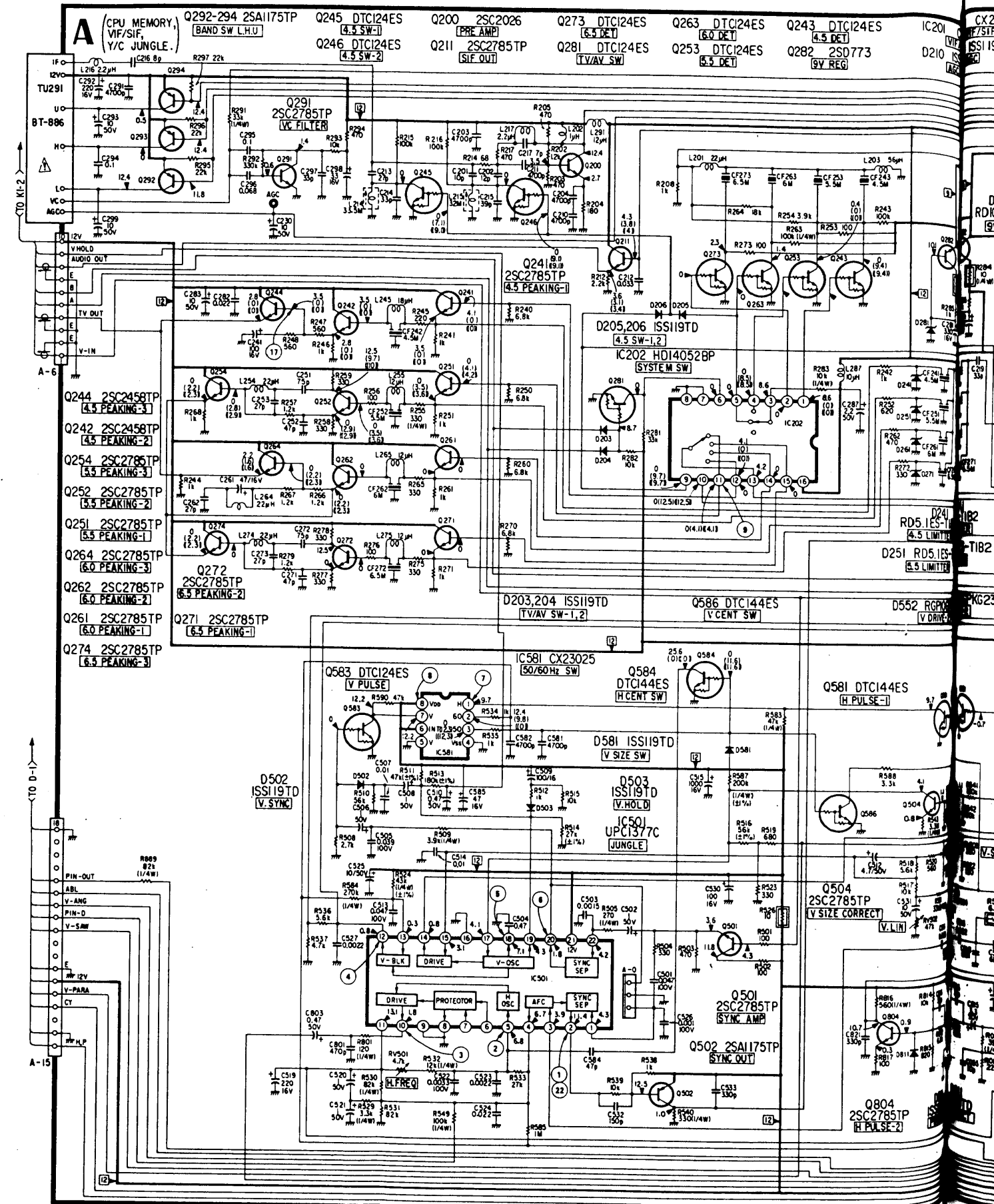
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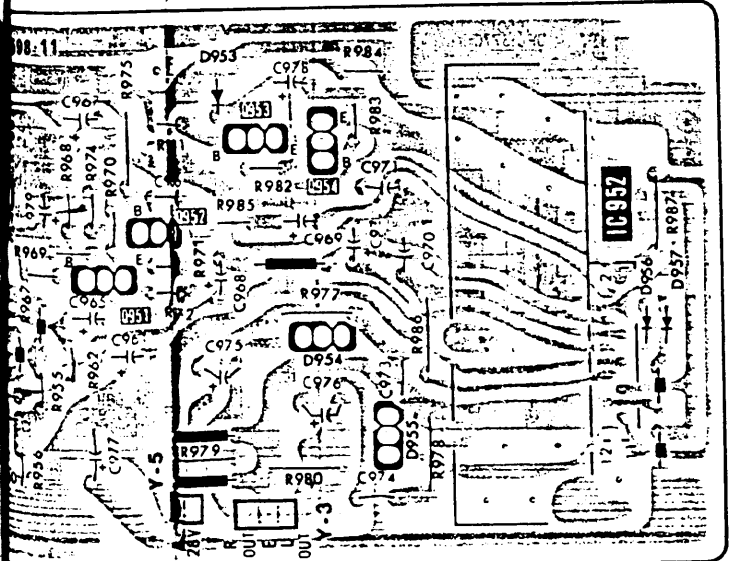
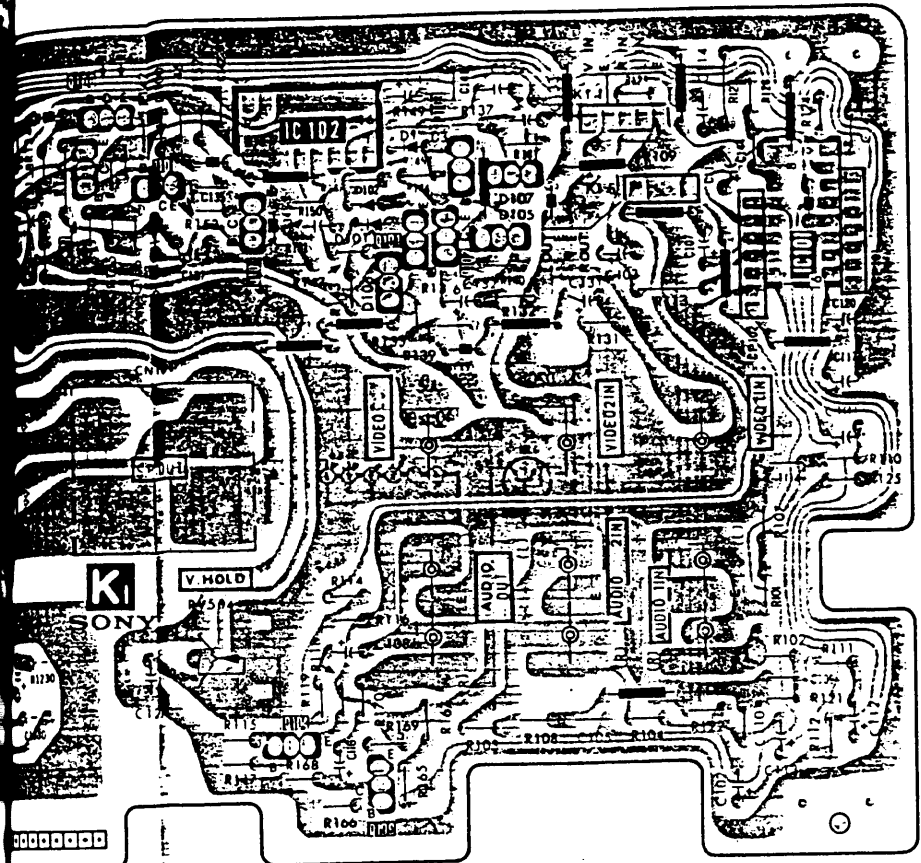
© 1986

Printed in Japan

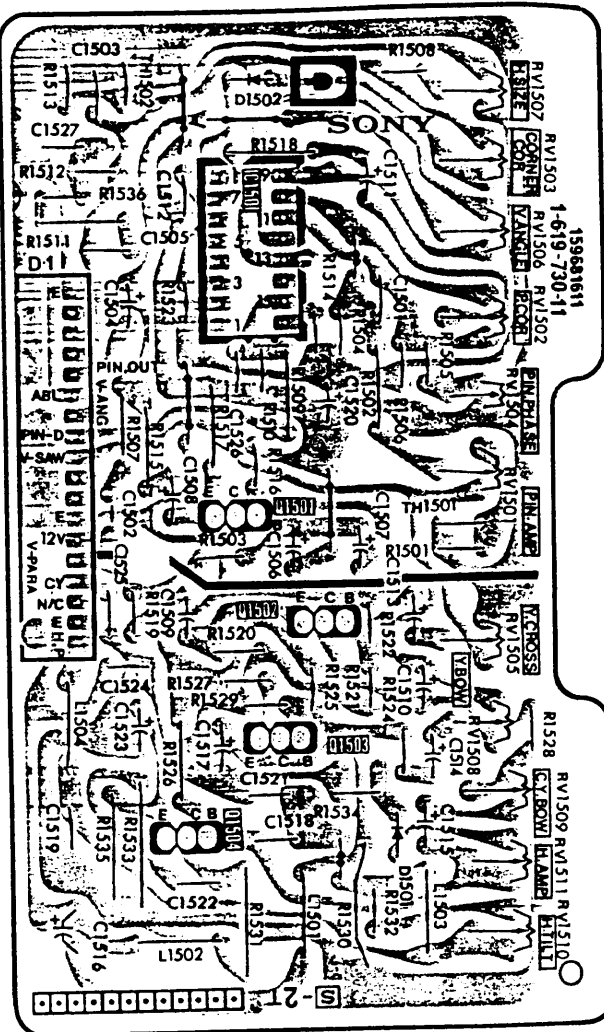


1	15Vp-p(H)	8	SECAM 2Vp-p(H)	15	SECAM 0.8Vp-p(H)	22	2.6Vp-p(H)	29	NTSC 3.58 0.8Vp-p(H)	36	SECAM 1Vp-p(H)	43	SECAM 0.6Vp-p(H)	50	0.3Vp-p(H)	57	240Vp-p(H)
2	SECAM 2.4Vp-p(H) NTSC 3.58 4.4Vp-p(H)	9	PAL 2Vp-p(H) NTSC 3.58 2.2Vp-p(H)	16	NTSC 3.58 1.6Vp-p(H)	23	SECAM 6.3Vp-p(H) PAL 6.4Vp-p(H) NTSC 3.58 6.3Vp-p(H)	30	SECAM 4.4Vp-p(H)	37	PAL 1.2Vp-p(3.58MHz)	44	PAL 0.7Vp-p(H) NTSC 3.58 0.7Vp-p(H)	51	27Vp-p(H)	58	3.6Vp-p(H)
3	SECAM 4Vp-p(H) NTSC 3.58 4Vp-p(H)	10	0.3Vp-p(H)	17	5.2Vp-p(V)	24	SECAM 1Vp-p(H)	31	PAL 4.8Vp-p(H)	38	1.1Vp-p(3.58MHz)	45	SECAM 115Vp-p(H)	52	6Vp-p(H)		
4	12Vp-p(V)	11	3Vp-p(H)	18	90Vp-p(V)	25	PAL 1.2Vp-p(H) NTSC 3.58 1.6Vp-p(H)	32	NTSC 3.58 6Vp-p(H)	39	SECAM 1Vp-p(H)	46	PAL 130Vp-p(H) NTSC 3.58 130Vp-p(H)	53			
5	3.5Vp-p(V)	12	5.2Vp-p(4MHz)	19	SECAM 4Vp-p(H) PAL 4Vp-p(H)	26	SECAM 1.1Vp-p(H)	33	SECAM 5Vp-p(H)	40	PAL 1Vp-p(H) NTSC 3.58 1Vp-p(H)	47	SECAM 2.4Vp-p(H)	54	SECAM 120Vp-p(H)		
6	10Vp-p(V)	13	1200Vp-p(H)	20	NTSC 3.58 1.6Vp-p(H)	27	PAL 1.3Vp-p(H) NTSC 3.58 1.6Vp-p(H)	34	PAL 5Vp-p(H)	41	SECAM 1.1Vp-p(H)	48	SECAM 1.6Vp-p(H) NTSC 3.58 1.5Vp-p(H)	55	PAL 150Vp-p(H) NTSC 3.58 150Vp-p(H)		
7	SECAM 16Vp-p(H) NTSC 3.58 13Vp-p(H)	14	92Vp-p(H)	21	8Vp-p(V)	28	SECAM 4.6Vp-p(H)	35	NTSC 3.58 4.6Vp-p(H)	42	PAL 2.1Vp-p(H)	49	2Vp-p(H)	56	SECAM 115Vp-p(H)		
8	12.5Vp-p(V)	16	23Vp-p(H)	23	PAL 4Vp-p(H)	30	PAL 5Vp-p(H)	37	SECAM 0.6Vp-p(H)	44	NTSC 3.58 1.5Vp-p(H)	51	0.5Vp-p(H)	58	PAL 150Vp-p(H) NTSC 3.58 150Vp-p(H)		

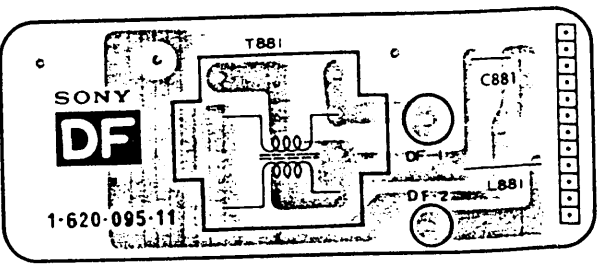




D [PIN CTRL,
Y. BOW

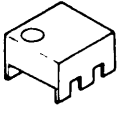


DF [BLK]

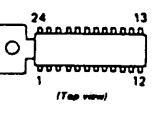


SEMICONDUCTORS

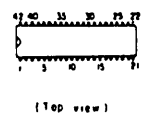
BX-1387



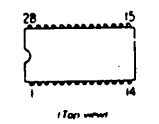
CX175



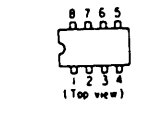
CX1001AP



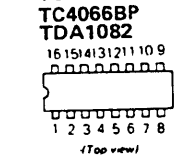
CX20015A



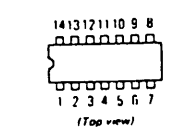
CX23025
HA17558
IR9431
NJM4558D
μPC358C
μPC4558C



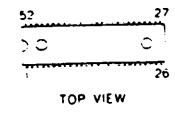
HD14052BP
MC14052BCP
TA7630P
TC4052BP
TC4066BP
TDA1082



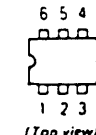
HD14066BP
M58655P
μPC1394C



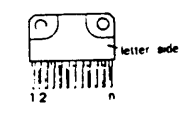
M50436-514SP



PC111



TA7273P



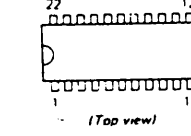
μPC78L05J



μPC574J



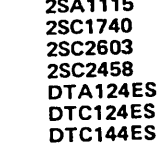
μPC1377C



2SA933S
2SC1740



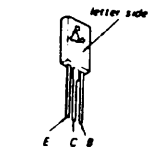
2SA1048
2SA1115
2SC1740
2SC2603
2SC2458
DTA124ES
DTC124ES
DTC144ES



2SA1175TP
2SC2785TP



2SA1220A
2SC2611
2SC2688
2SC2690A



2SB734
2SC2958
2SC2959
2SD773
2SD774



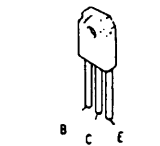
2SB740
2SC1474
2SD788
2SD789



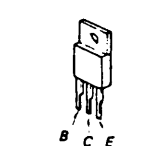
2SC2026



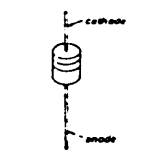
2SC3460
2SD1497



2SD1134
2SD1406
2SD1585



1SS119
1SS119TD
1SS133
1SS148

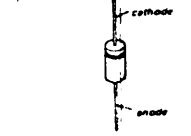


EQA02-03AIV3
ERB12-02V1
ERB43-06
ERB44-06
ES1F
GP08D
GP08DPKG23

HZS2.0NB1TD
HZS3.9NB1TD
HZS5.1NB2TD
HZS5.6NB1TD
HZS5.6NB3TD
HZS6.8NB2TD
HZS7.5NB1TD
HZS10NB3TD
HZS12EB3TD
HZS13NB2TD
HZS16NB3TD

RD2.0ES-B1
RD3.9ES-T1B1
RD5.1ES-T1B1
RD5.6ES-T1B2
RD5.6ES-T1B2
RD5.6ES-T1B3
RD6.2ES-T1B1
RD6.2ES-T1B3
RD6.8ES-T1B2
RD7.5ES-T1B1
RD10ES-T1B3
RD12ES-T1B3
RD13ES-T1B2
RD16ES-T1B3

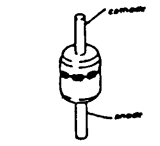
RD30E-L4TN
RD110E-BTN
RGP10G
RGP10GPKG23
RGP15G



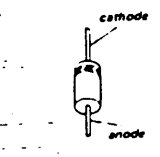
ERC26-15S
V30N



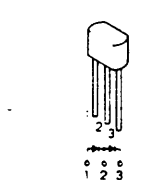
ERC35-02



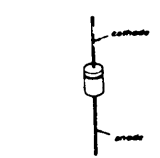
ERD29-08J



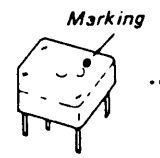
MC931TP



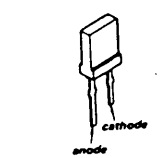
RU3AM
SIB01-02V1
SIB01-04V1



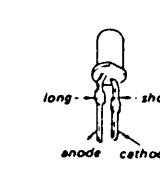
S3WB60Z



SLP155B
SLP255B

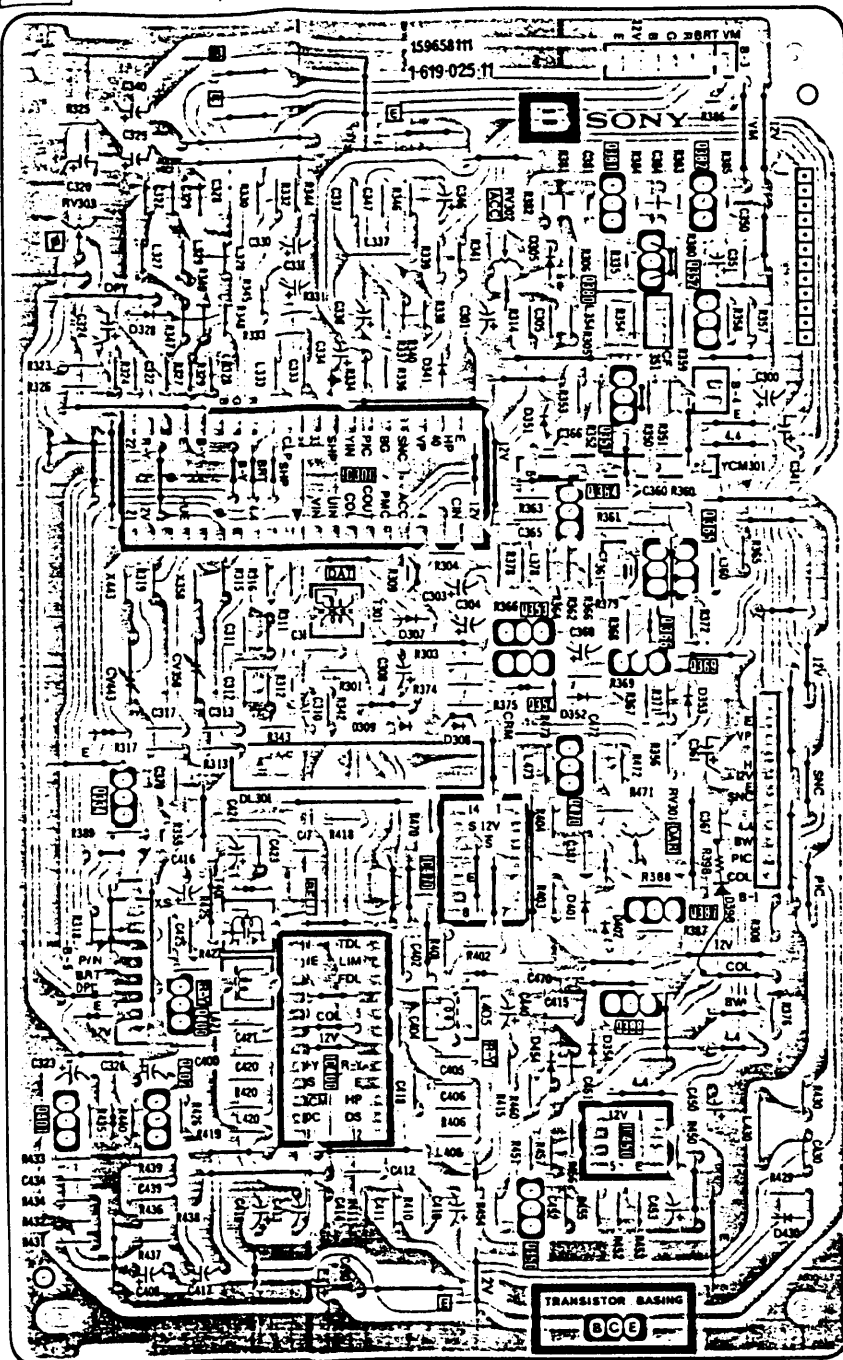


TRL124



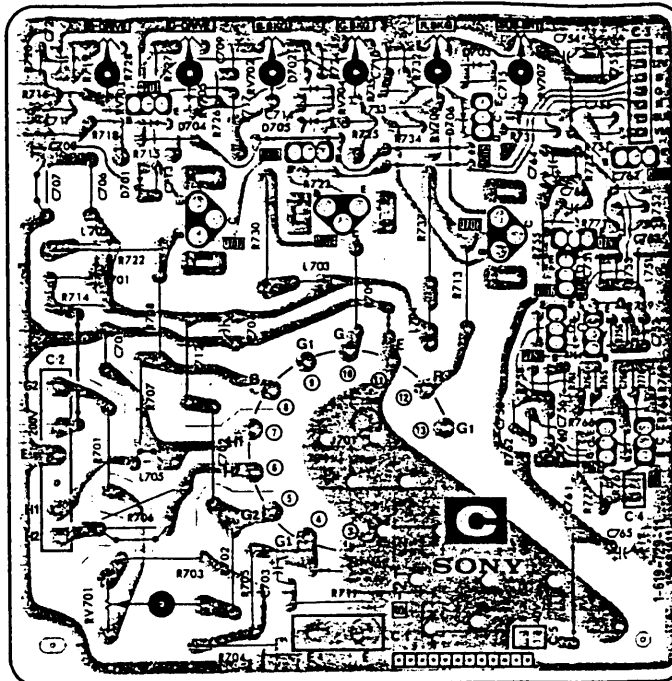
B

Y CHROMA, SECAM CHROMA PROCESS, NTSC 3.58, 4.43 SW, PAL/SECAM SW.



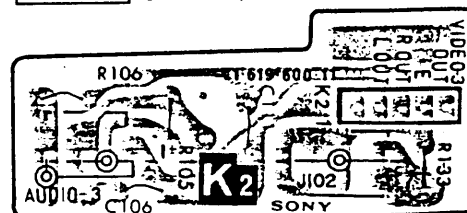
C

[R·G·B OUT]



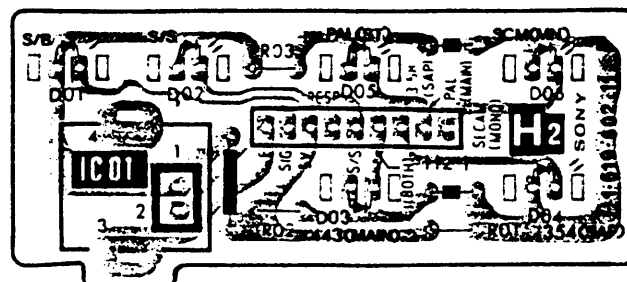
K2

[AUDIO, VIDEO INPUT]



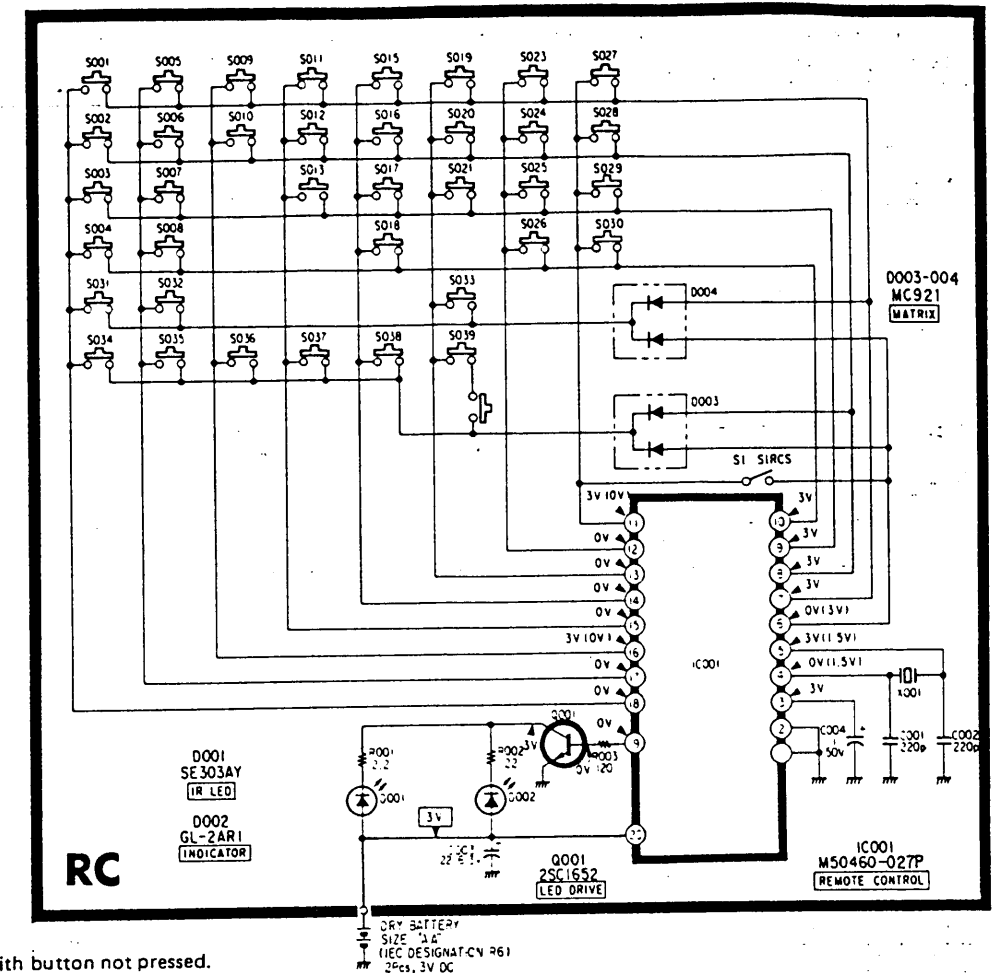
H2

[INDICATOR]



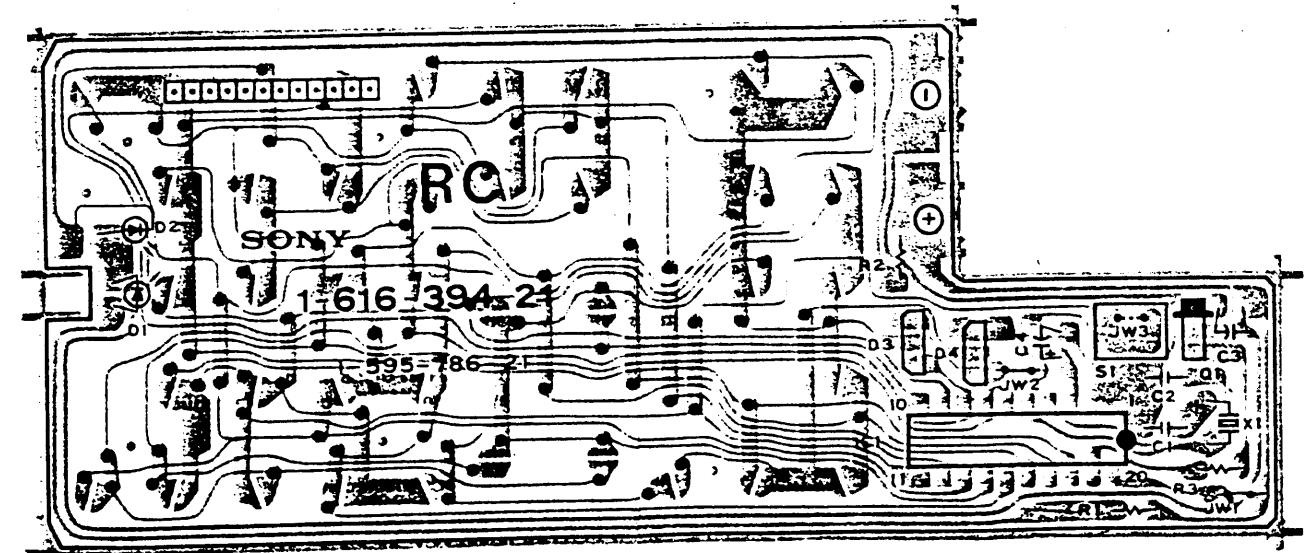
REMOTE COMMANDER RM-646

S001	1	S021	NORMAL
S002	2	S022	A / B
S003	3	S023	PIC +
S004	4	S024	PIC -
S005	5	S025	COL +
S006	6	S026	COL -
S007	7	S027	ON
S008	8	S028	DISPLAY
S009	9	S029	TEXT CL
S010	0	S030	TEXT ON
S011	1-	S031	PROG +
S012	2-	S032	PROG -
S013	TV / AV	S033	POWER
S015	PROG +	S035	■
S016	PROG -	S036	▶
S017	VOL +	S037	▶▶
S018	VOL -	S038	◀◀
S019	MUTE	S039	●
S020	OFF		

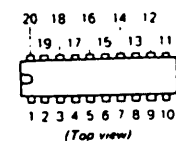


Note:

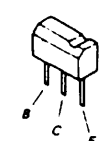
- Voltage in () are taken with button not pressed.
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohm, $\frac{1}{4}\text{W}$ unless otherwise noted. $\text{k}\Omega$: 1000 Ω , $\text{M}\Omega$: 1000 $\text{k}\Omega$.



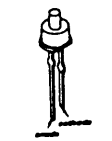
M50460-027P



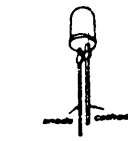
2SC1652



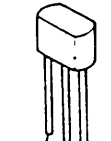
GL-2AR1



SE303AY



MC921

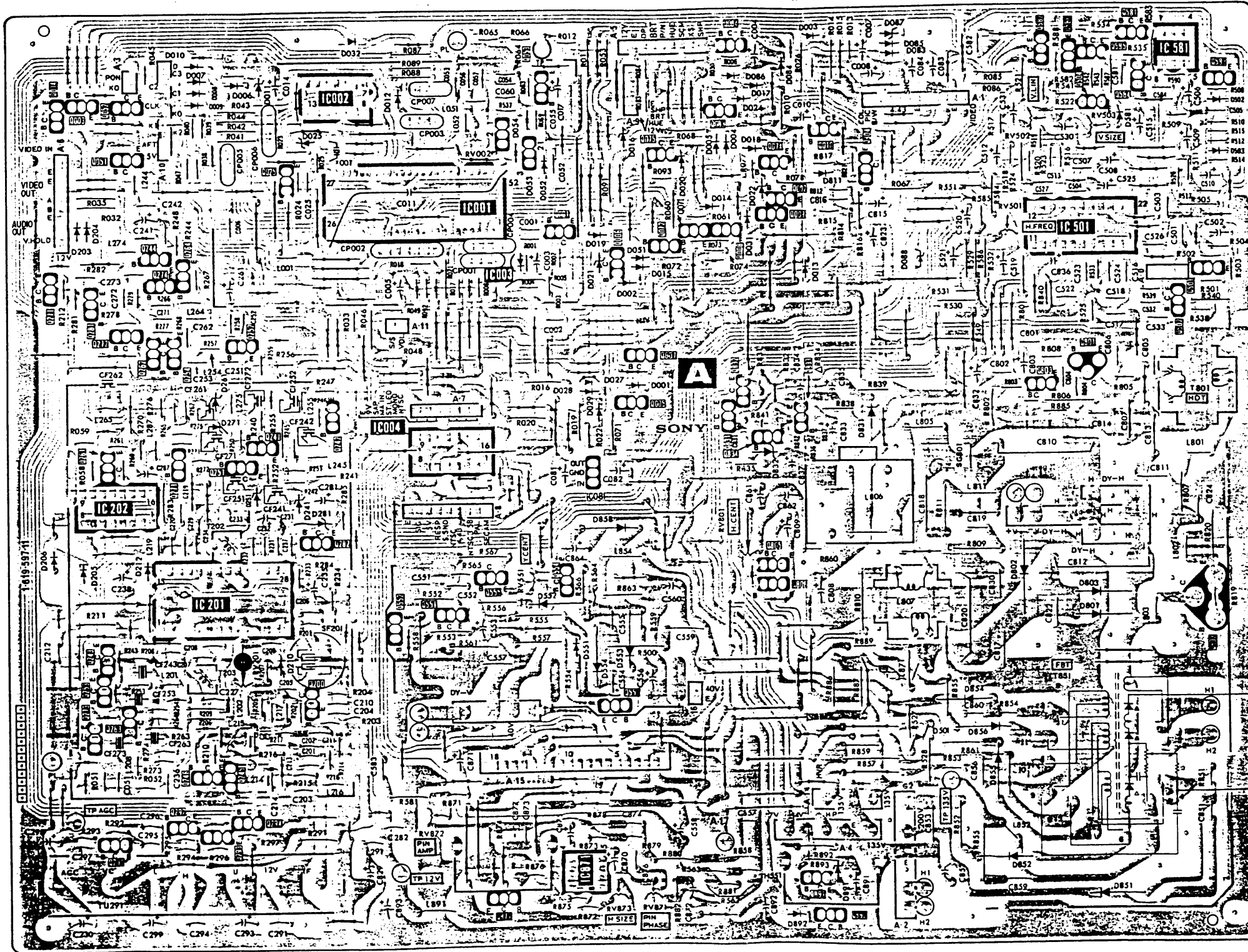


PRINTED WIRING BOARDS

Note: All mounting diagrams are viewed from conductor side.

A

[CPU MEMORY, VIF/SIF,
Y/C JUNGLE]



	IC , Q	D	ADJ
	IC581	032 087	
	581	003 085	
	084	010 083	
	585 582	084	
	586	007 086	
	503 584	008 011	
	IC002 583	009 017	
	004,003 052	024 012	
	504	502	
	083	581	RV502
	010	025	RV503
		016	RV002
	051 075	005,004	
	074	032 063	
		020 503	
	025 804	08 811	
		022	
	002	014	
	009	203,204	
	071,008	019	RV501
	072		
	IC003	051 088	
	006	015	
	244 501	021 013	
	274 246	002	
	281 502		
	272		
	262,254,252		
	007		
	801		
	803	001,027	
	005	261 028	
	242 831	029	
	833	831	
	834		
	241 IC004	832	
	271		
	281		
	251 IC081		
	IC202	251	
		241	
		281	RV801
		858	
	282		
		206	
	805	212	
	554,555	205	RV551
	806		
		803	
	IC201	552	
	551,552	801	
	802		
		551,553	
	243	554	RV201
		210	
	253		
	263		
→ HV	273	854	
	200		
	553	856	
		501	
	243,246	855	
→ FV			
	291,292		RV672
	293,294		
		852	
	IC871	891	
	891		
	871	851	RV873
		RV871	
	892	892	
	IC , Q	D	ADJ