

SONY

TRINITRON® COLOR TV **BASIC SCHEMATIC DIAGRAM**

KV-1485MTJ/RM-827S

Chassis No. F21D-A

NOTE

THIS SCHEMATIC DIAGRAM IS FOR USE BY YOUR SERVICE
TECHNICIAN.

KEEP THIS DIAGRAM HANDY FOR FUTURE REFERENCE.


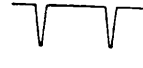










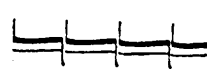

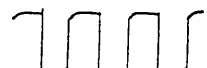

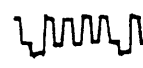








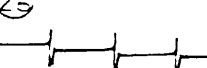

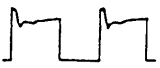

Sony Corporation

4-036-562-01

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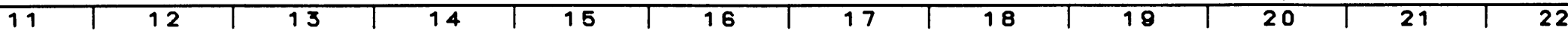
Printed in Japan

• A BOARD WAVEFORMS

| | | |
|---|--|--|
| <p>①</p>  <p>6.0Vp-p (4.0MHz)</p> | <p>②</p>  <p>0.6Vp-p (H)</p> | <p>③</p>  <p>1.9Vp-p (H)</p> |
| <p>④</p>  <p>1.9Vp-p (H)</p> | <p>⑤ PAL. NTSC</p>  <p>0.5 Vp-p (H)</p> | <p>⑥ PAL. NTSC</p>  <p>0.5 Vp-p (H)</p> |
| <p>⑦ PAL</p>  <p>0.3Vp-p (H)</p> | <p>⑧ PAL</p>  <p>0.45 Vp-p (H)</p> | <p>⑨ PAL</p>  <p>0.6 Vp-p (H)</p> |
| <p>⑩</p>  <p>0.26 Vp-p(4.43MHz)</p> | <p>⑪</p>  <p>0.16Vp-p(3.58MHz)</p> | <p>⑫</p>  <p>1.5Vp-p (H)</p> |
| <p>⑬</p>  <p>2.4Vp-p (V)</p> | <p>⑭</p>  <p>4.0Vp-p (H)</p> | <p>⑮</p>  <p>2.0Vp-p (H)</p> |
| <p>⑯</p>  <p>1.8Vp-p (H)</p> | <p>⑰</p>  <p>4.0Vp-p (H)</p> | <p>⑱</p>  <p>4.0Vp-p (H)</p> |
| <p>⑲</p>  <p>4.0Vp-p (H)</p> | <p>⑳</p>  <p>0.9Vp-p (H)</p> | <p>㉑ SECAM</p>  <p>0.24Vp-p (H)</p> |
| <p>㉒ SECAM</p>  <p>1.0Vp-p (H)</p> | <p>㉓ SECAM</p>  <p>1.4 Vp-p (H)</p> | <p>㉔ SECAM</p>  <p>3.3 Vp-p (H)</p> |
| <p>㉕</p>  <p>50 Vp-p (V)</p> | <p>㉖</p>  <p>1.5 Vp-p (V)</p> | <p>㉗</p>  <p>800 Vp-p (H)</p> |
| <p>㉘</p>  <p>150 Vp-p(H)</p> | <p>㉙</p>  <p>8.5Vp-p (V)</p> | |

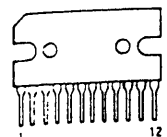
F
G
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Q
R
S
T



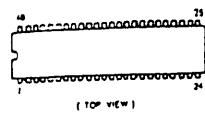


SEMICONDUCTORS

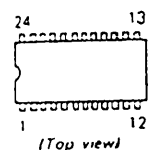
BA5412



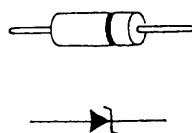
CXA1213BS



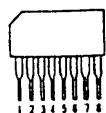
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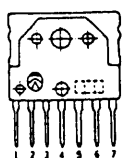
HZT33-02
μPC574J



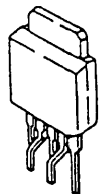
LA7016



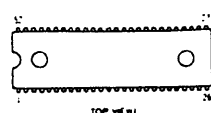
LA/830



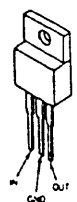
L78LR05D-MA



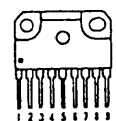
M34302M8-611SP



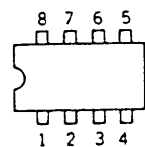
NJM78M09FA



STR-S6307

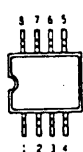


ST24C02AB1
μPC4558C



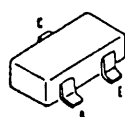
(Top view)

PC111LS

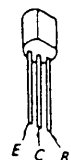


(TOP VIEW)

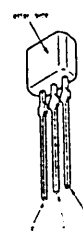
DTA114EK
DTC144EK
2SA1162-YG
2SC2712-YG



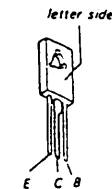
2SA1091-O
2S1091R



2SC2785-HFE



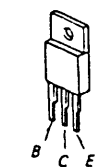
2SC3271-N



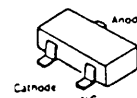
2SD1877-CA



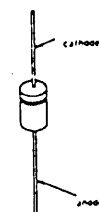
2SD2012
2SD2061-E



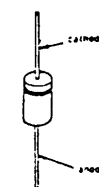
DA204U



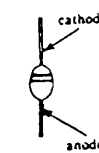
ERC06-15S
RGP10G
RU-3AM
R2M



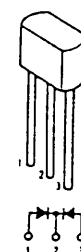
EGP20G
RGP02-17
RGP15J



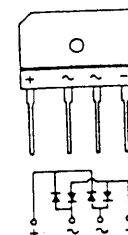
GP08D
U05G



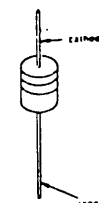
MC921



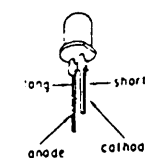
RBV-406H-01



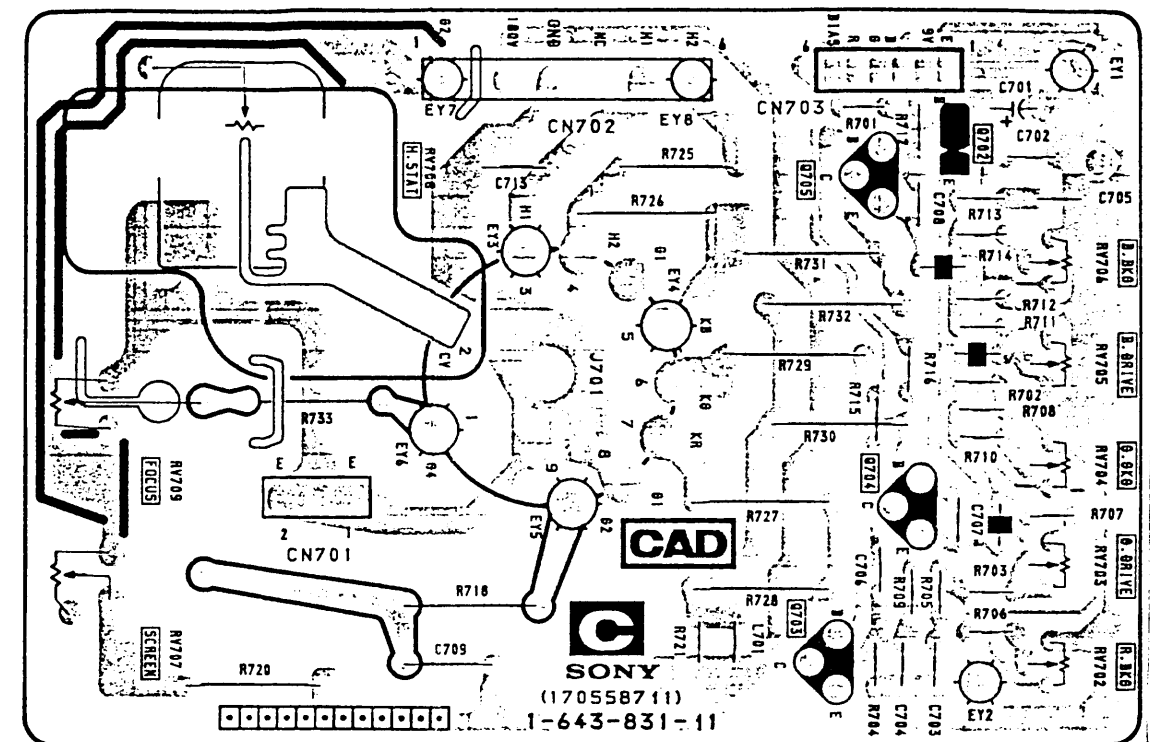
RD5.1ES-B2
RD5.6ES-B2
RD7.5ES-B2
1SS119



SEL1222R-C



C [R, G, B OUT]



| IC | DIODE | VARIABLE RESISTOR |
|------------|-----------|-------------------|
| IC001 C-8 | D002 C-8 | RV301 B-6 |
| IC002 G-10 | D003 C-9 | RV302 B-3 |
| IC003 D-8 | D004 C-9 | RV502 E-5 |
| IC004 B-7 | D005 F-10 | RV503 G-5 |
| IC005 D-7 | D006 D-8 | RV551 G-4 |
| IC101 B-1 | D007 E-10 | RV552 F-4 |
| IC102 A-7 | D008 D-10 | RV801 E-3 |
| IC104 A-2 | D009 E-10 | RV802 E-5 |
| IC251 A-9 | D010 C-10 | RV803 E-5 |
| IC301 C-5 | D011 C-10 | |
| IC401 A-5 | D012 C-9 | |
| IC551 G-6 | D014 C-9 | |
| IC601 G-6 | D016 C-7 | |
| IC602 E-6 | D151 C-8 | |
| IC603 G-5 | D155 A-2 | |
| IC801 E-4 | D250 B-9 | |
| IC851 F-5 | D251 A-8 | |
| | D252 B-9 | |
| | D310 B-5 | |
| | D320 B-4 | |
| | D321 B-6 | |
| | D551 G-4 | |
| | D561 E-6 | |
| | D601 C-9 | |
| | D602 G-7 | |
| | D603 F-6 | |
| | D604 E-6 | |
| | D605 E-7 | |
| | D607 G-6 | |
| | D608 E-6 | |
| | D801 E-1 | |
| | D802 D-6 | |
| | D803 E-4 | |
| | D851 G-3 | |
| | D852 F-3 | |
| | D853 G-3 | |
| | D855 G-3 | |
| | D857 E-3 | |
| | D858 E-3 | |
| | D860 D-2 | |
| TRANSISTOR | | |
| Q001 B-8 | | |
| Q002 B-9 | | |
| Q003 C-7 | | |
| Q004 B-9 | | |
| Q005 D-7 | | |
| Q006 C-7 | | |
| Q007 B-8 | | |
| Q101 A-1 | | |
| Q102 A-1 | | |
| Q151 C-3 | | |
| Q152 C-2 | | |
| Q153 D-3 | | |
| Q154 D-3 | | |
| Q201 B-1 | | |
| Q202 A-2 | | |
| Q251 B-8 | | |
| Q252 B-8 | | |
| Q301 C-4 | | |
| Q302 B-6 | | |
| Q303 C-3 | | |
| Q304 B-6 | | |
| Q305 C-4 | | |
| Q306 C-4 | | |
| Q310 B-5 | | |
| Q401 A-4 | | |
| Q522 E-5 | | |
| Q551 D-6 | | |
| Q553 E-5 | | |
| Q555 E-5 | | |
| Q561 D-6 | | |
| Q601 G-16 | | |
| Q603 G-16 | | |
| Q601 D-7 | | |
| Q802 E-1 | | |
| Q803 B-5 | | |
| Q821 D-4 | | |
| Q851 F-5 | | |
| DELAY LINE | | |
| DL301 B-4 | | |
| IF BLOCK | | |
| IF201 B-2 | | |
| TUNER | | |
| TU151 C-1 | | |
| CRYSTAL | | |
| X301 C-5 | | |
| X358 B-5 | | |
| X443 B-4 | | |

PRINTED WIRING BOARDS

Note: All mounting diagrams are viewed from conductor side.

A SYS CONTROLLER, TU, MEMORY, IF, Y/C JUNGLE, H/V OUT, POWER SUPPLY, SECAM DECODER, AUDIO/VIDEO INPUT

