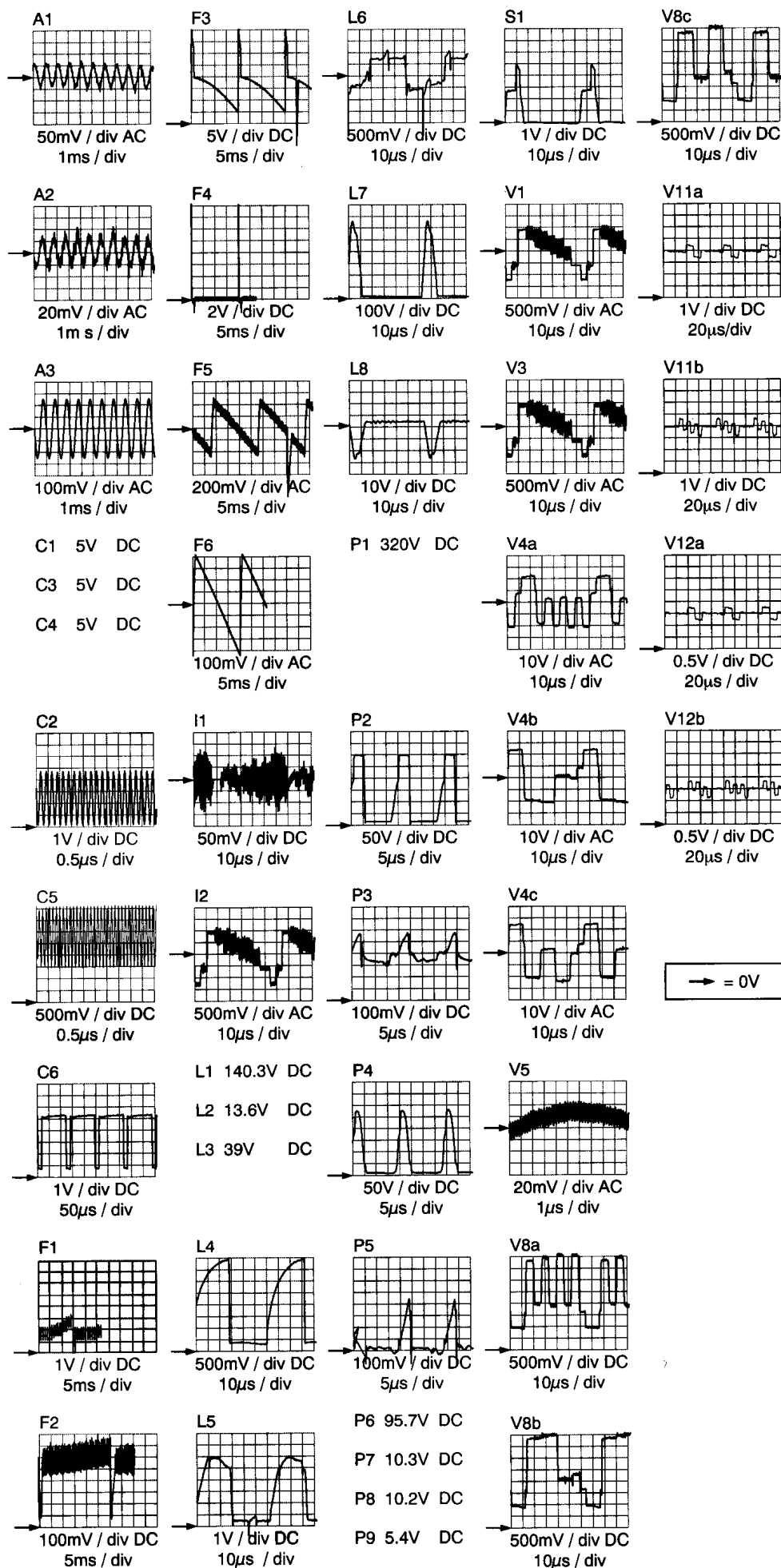
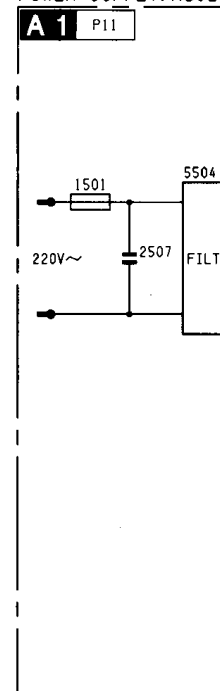


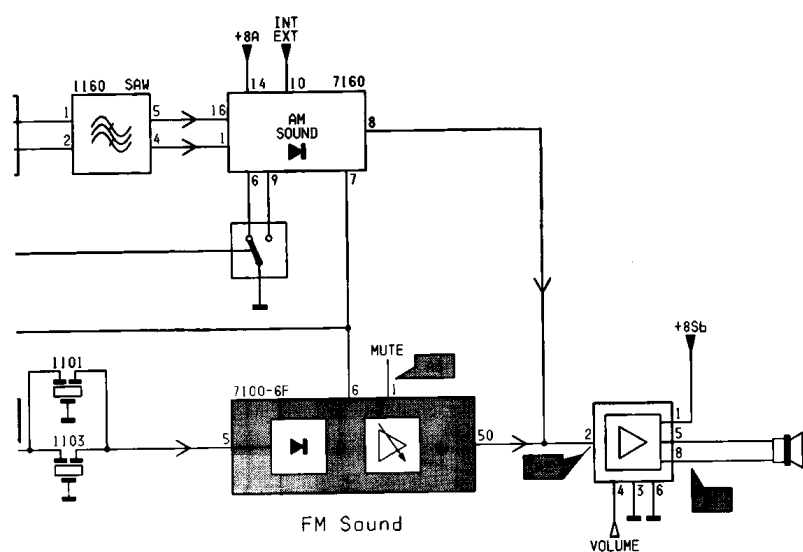
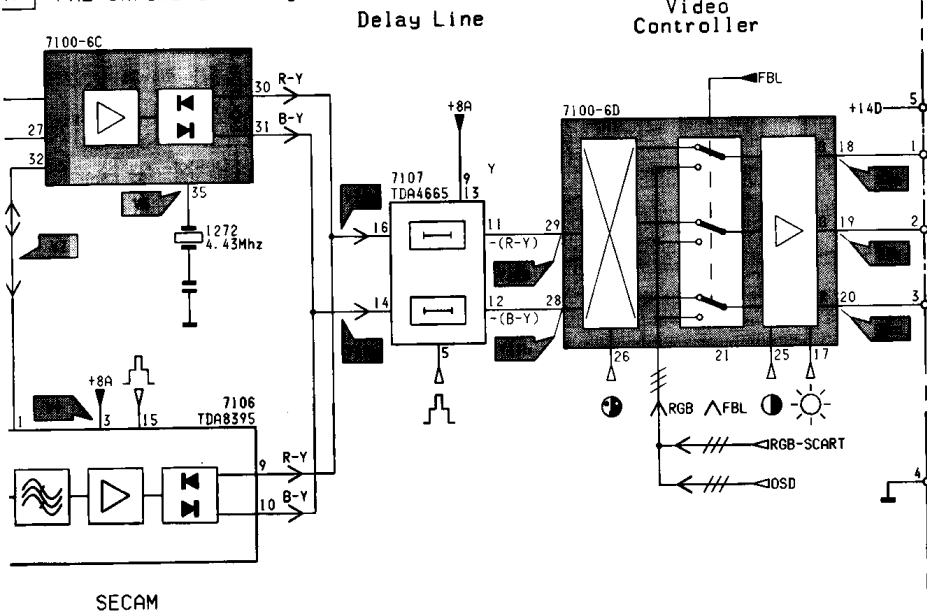
# Overview oscillograms / Übersicht Oszillogramme / Vue d'ensemble des oscillogrammes



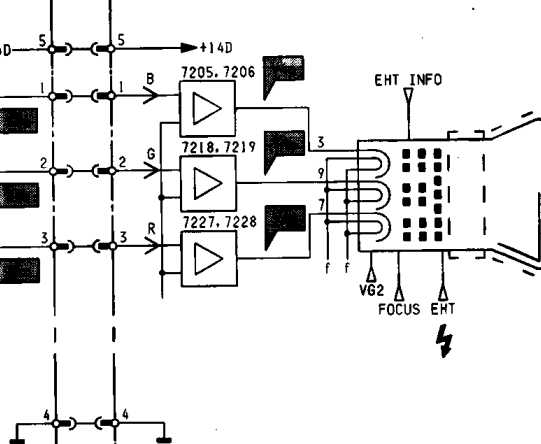


**INSIDE IC7100**

## 11 PAL Chroma decoding

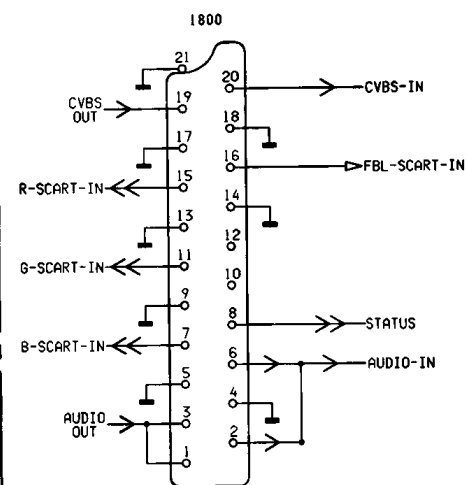


## B1 P13

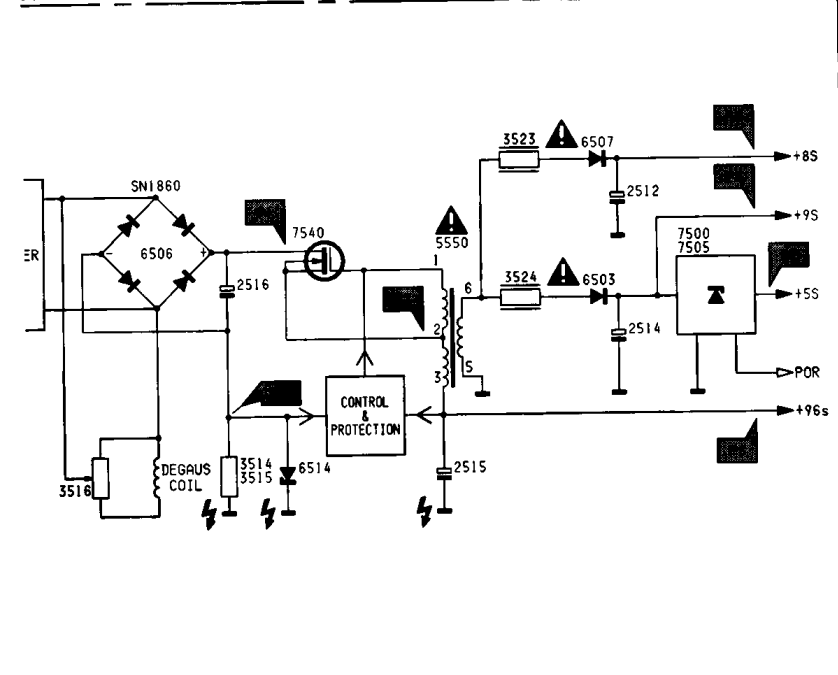


## SCART

## A2 P10



## teil/ALIMENTATION

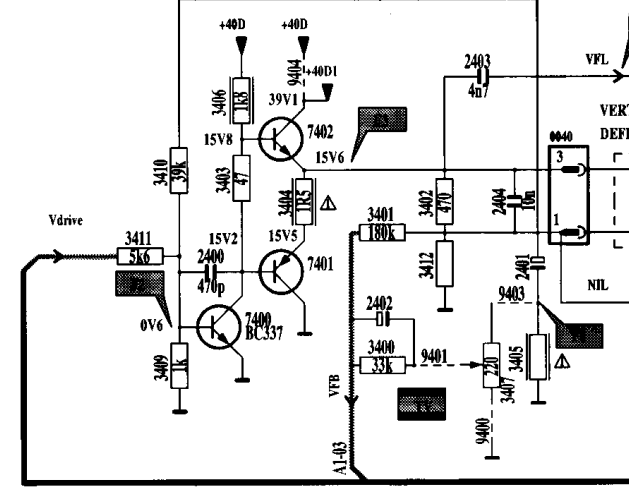


A1

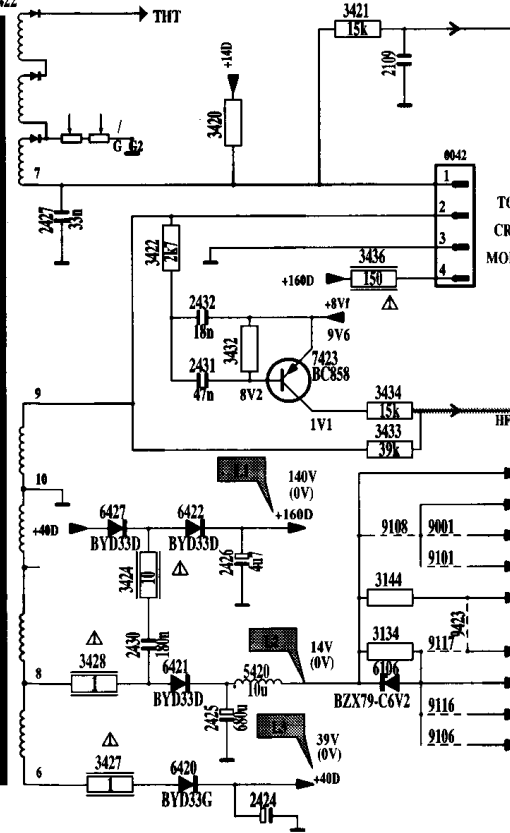
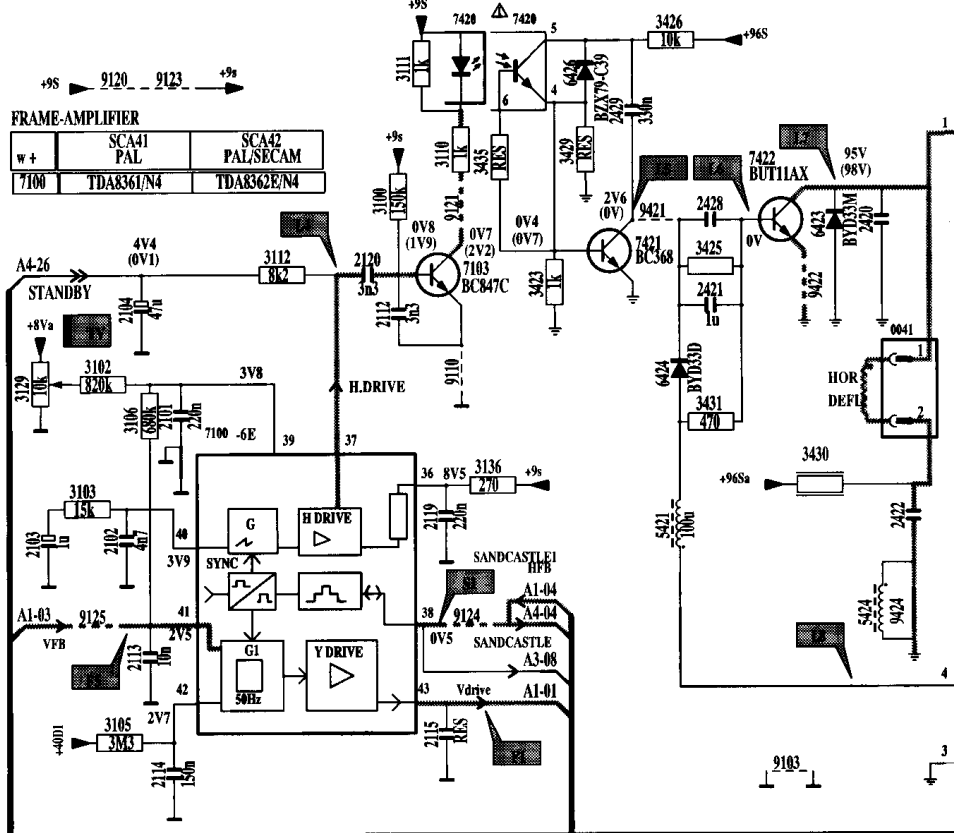
SYNC

| FRAME-AMPLIFIER |              |               |               |
|-----------------|--------------|---------------|---------------|
| w +             | CRT10<br>14" | CRT11<br>21"  | CRT12<br>20"  |
| 2109            | ---          | 270n          | ---           |
| 2401            | 680u         | 680u          | 680u          |
| 2402            | 1u5          | 1u5           | 1u            |
| 2420            | 7u5          | 10n           | 10n           |
| 2422            | 330n         | 470n          | 560n          |
| 2424            | 680u         | 1000u         | 1000u         |
| 2428            | RES          | 1u            | 1u            |
| 2516            | 47u          | 68u           | 47u           |
| 3144            | 47u          | 47u           | RES           |
| 3405            | 4R7          | 3R3           | 3R3           |
| 3412            | 2k2          | 2k2           | 2k2           |
| 3420            | 15k          | 15k           | 15k           |
| 3425            | 12           | 12            | 12            |
| 3430            | 1k           | 820           | 820           |
| 3432            | 560k         | 560k          | 2M2           |
| 3505            | ---          | 150           | ---           |
| 3507            | 1k5          | 1k2           | 1k2           |
| 3514            | ---          | ---           | ---           |
| 3515            | ---          | ---           | ---           |
| 5422            | G5632-01     | G7529.00 THCF | G7529.00 THCF |
| 5424            | ---          | LIN CORR      | LIN CORR      |
| 7401            | BD136        | BD229         | BD229         |
| 7402            | BD137        | BD228         | BD228         |
| 9424            | +++          | ---           | ---           |
| 9500            | +++          | ---           | +++           |

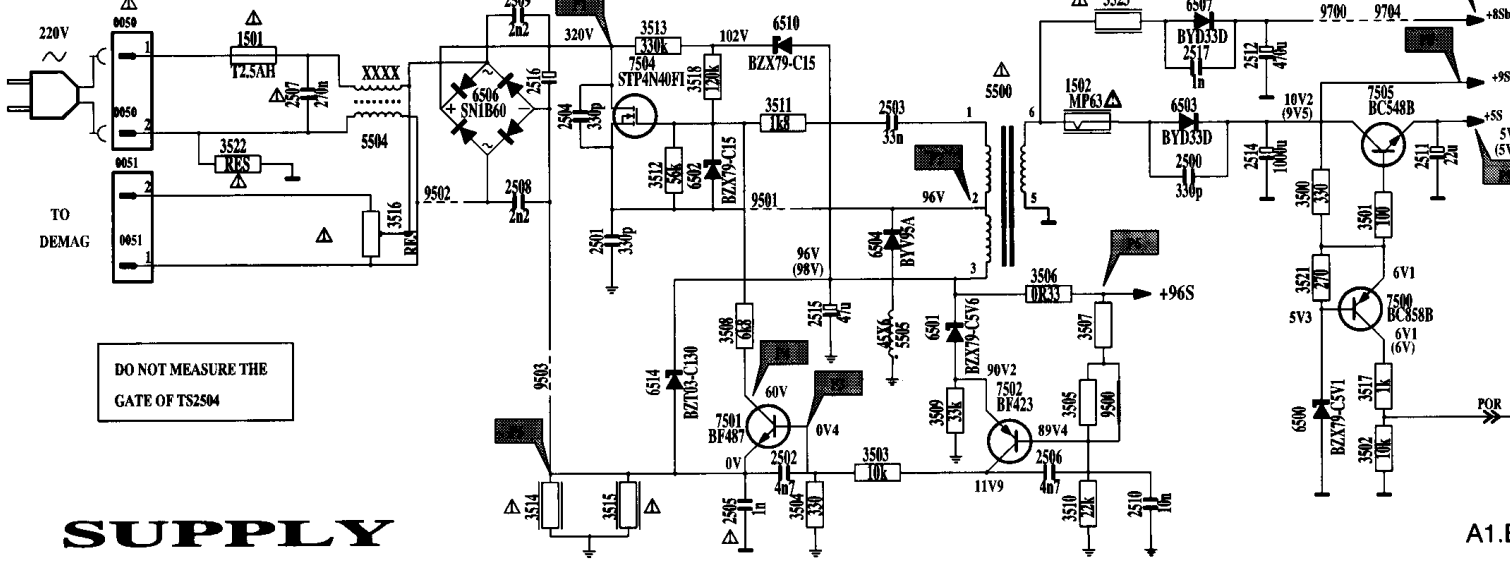
FRAME-AMPLIFIER



| FRAME-AMPLIFIER |              |                    |
|-----------------|--------------|--------------------|
| w +             | SCA41<br>PAL | SCA42<br>PAL/SECAM |
| 7100            | TDA8361/N4   | TDA8362E/N4        |



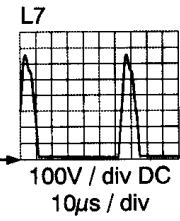
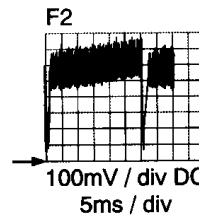
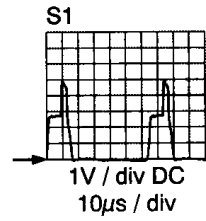
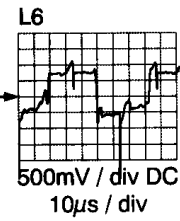
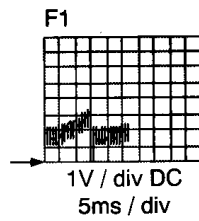
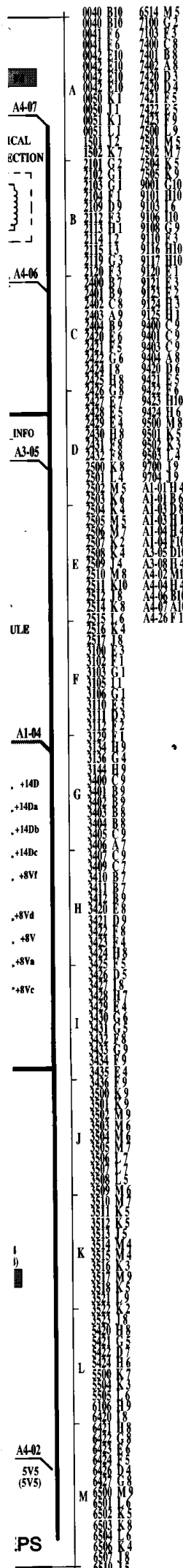
|      | SYS70<br>BG mono | SYS71<br>BG/L/L mono | SYS72<br>I mono | SYS73<br>BG/DK mono | SYS74<br>BG(2Sc) | SYS75<br>BG/DK(2Sc) | SYS76<br>NIC BG | SYS77<br>NIC I | SYS78<br>NIC L |
|------|------------------|----------------------|-----------------|---------------------|------------------|---------------------|-----------------|----------------|----------------|
| 3134 | 47               | 27                   | 47              | 33                  | 47               | 39                  | 47              | 47             | 33             |
| 3523 | 3R3              | 3R3                  | 3R3             | 3R3                 | 1R               | 1R                  | 1R              | 1R             | 1R             |



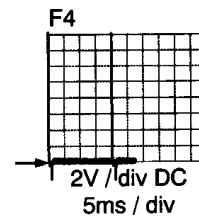
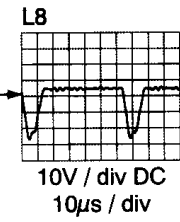
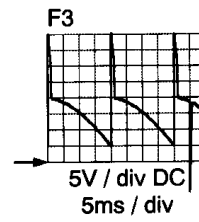
DO NOT MEASURE THE GATE OF TS2504

SUPPLY

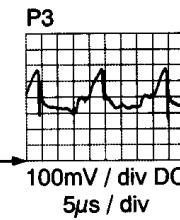
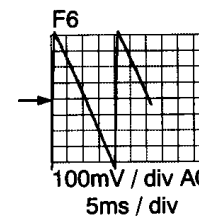
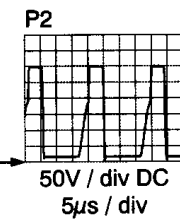
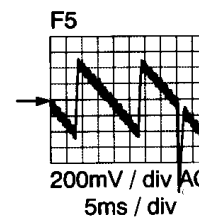
# Module secteur & Étage de lignes



→ = 0V



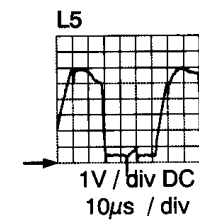
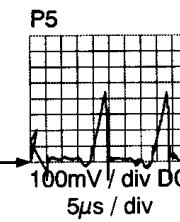
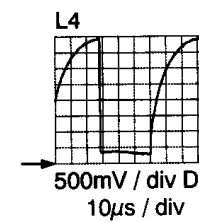
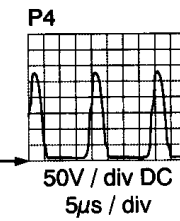
P1 320V DC



L1 140.3V DC

L2 13.6V DC

L3 39V DC

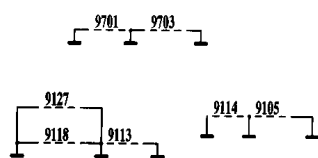
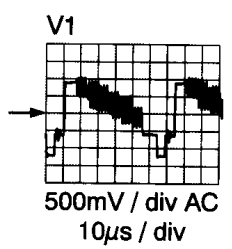
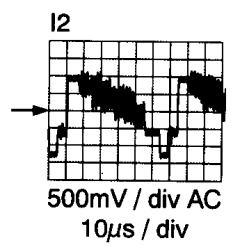
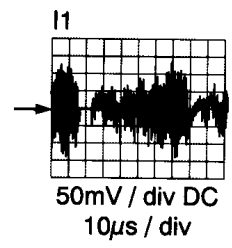


P6 95.7V DC

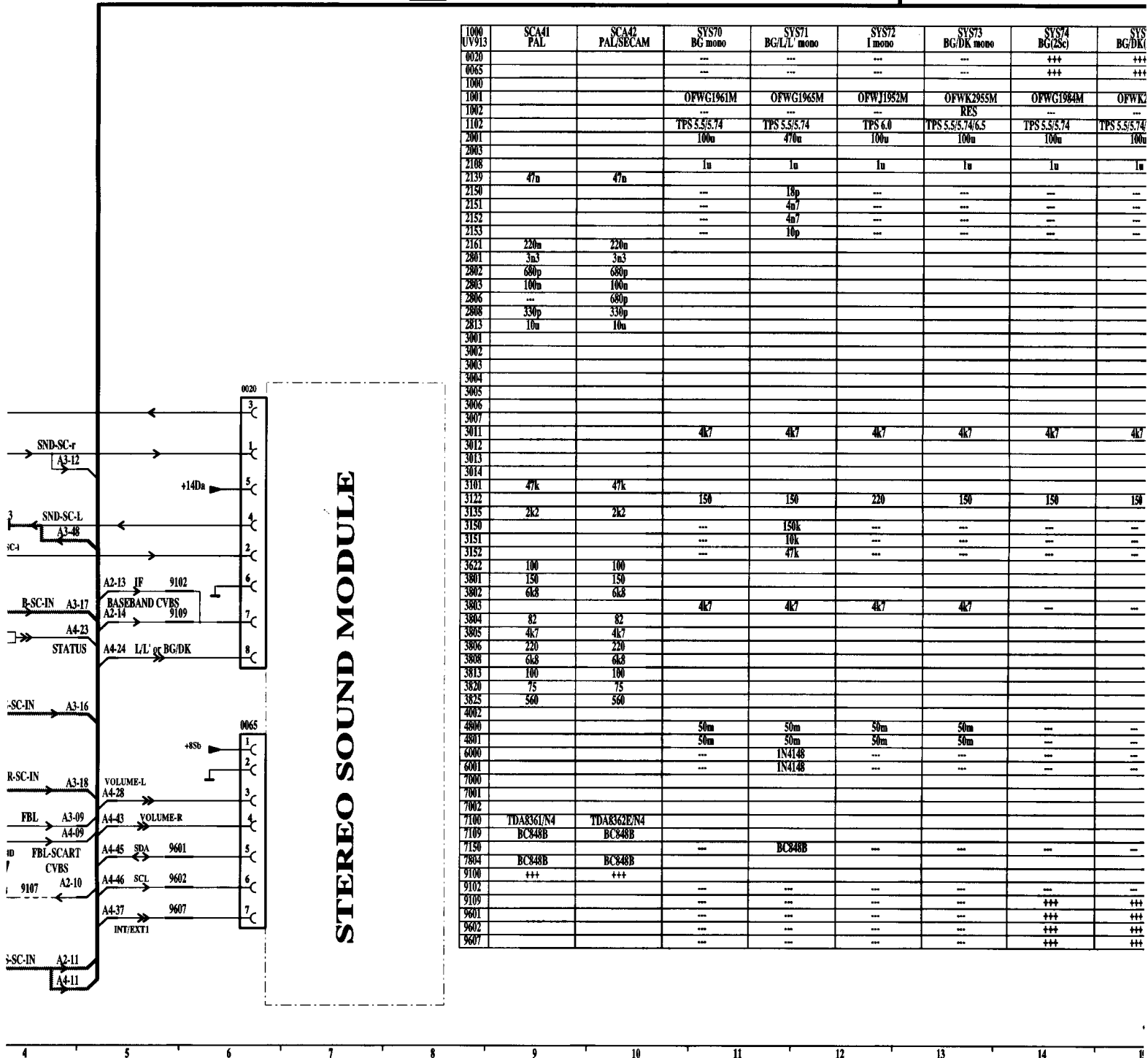
P7 10.3V DC

P8 10.2V DC

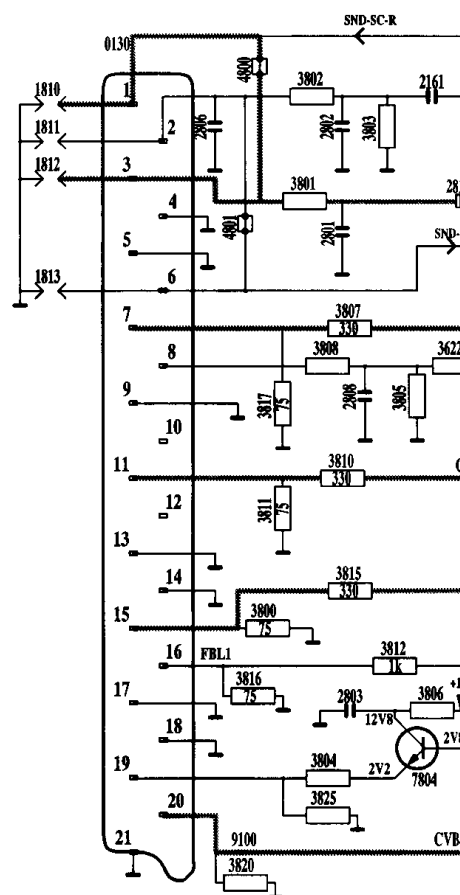
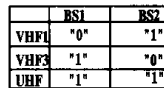
P9 5.4V DC

[illegible]

CL OSC\_A2.A/  
040396



**A** -  
**B** -  
**C** -  
**D** -  
**E** -  
**F** -  
**G** -  
**H** -  
**I** -  
**J** -  
**K** -  
**L** -  
**M** -  
**N** -

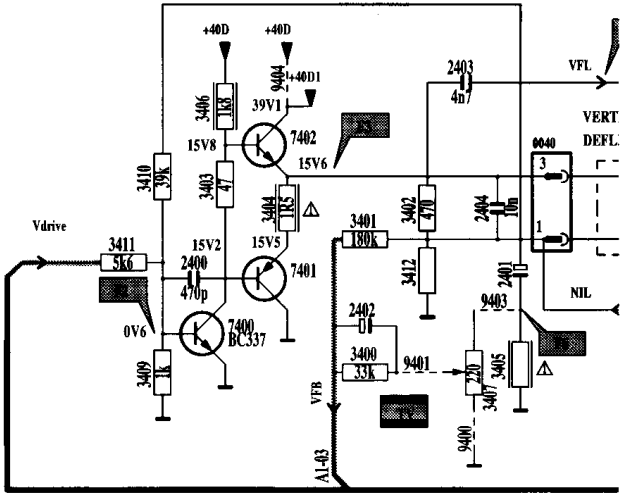




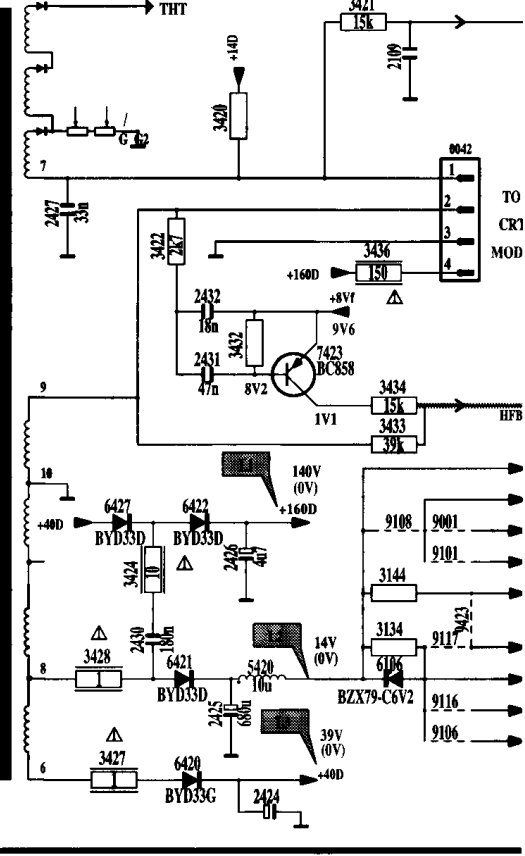
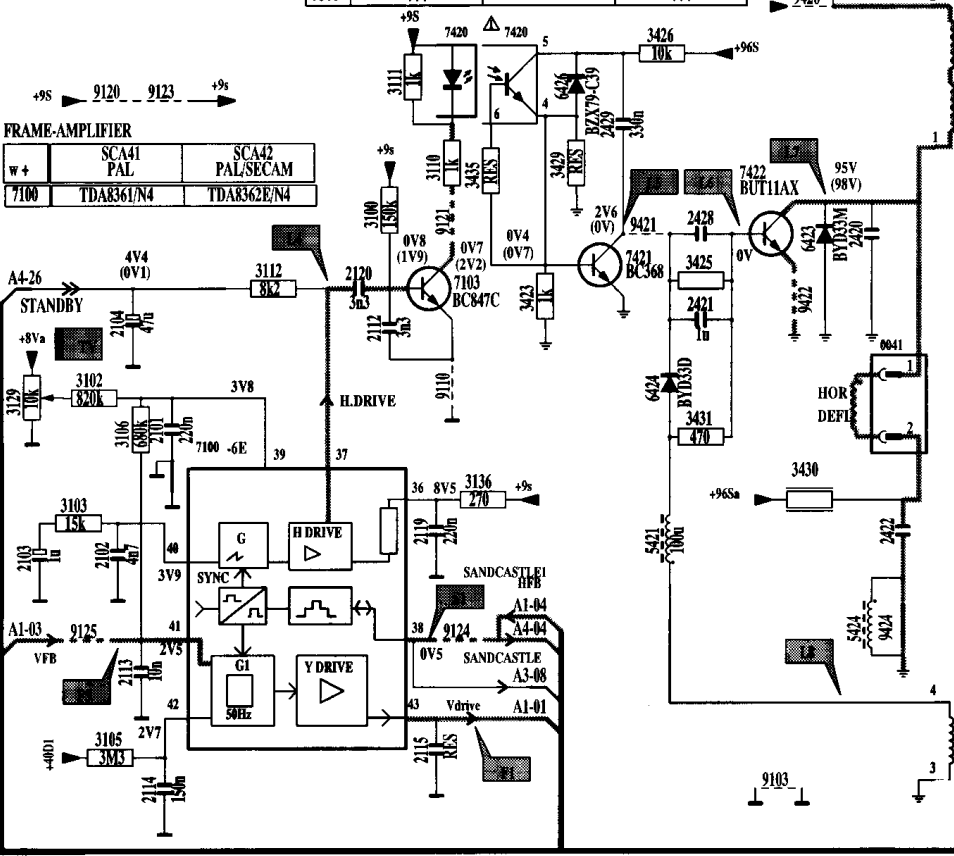
A 1  
SYNC

| FRAME-AMPLIFIER |              |               |               |
|-----------------|--------------|---------------|---------------|
| w +             | CRT10<br>14" | CRT11<br>21"  | CRT12<br>20"  |
| 2109            | ---          | 270n          | ---           |
| 2401            | 680u         | 680u          | 680u          |
| 2402            | 1u5          | 1u5           | 1u            |
| 2420            | 7m5          | 10n           | 10n           |
| 2422            | 330n         | 470n          | 560n          |
| 2424            | 680u         | 1000u         | 1000u         |
| 2428            | RES          | 1u            | 1u            |
| 2516            | 47u          | 68u           | 47u           |
| 3144            | 47u          | 47u           | RES           |
| 3405            | 4R7          | 3R3           | 3R3           |
| 3412            | 2k2          | 2k2           | 2k2           |
| 3420            | 15k          | 15k           | 15k           |
| 3425            | 12           | 12            | 12            |
| 3430            | 1k           | 820           | 820           |
| 3432            | 560k         | 560k          | 2M2           |
| 3505            | ---          | 150           | ---           |
| 3507            | 1k5          | 1k2           | 1k2           |
| 3514            | ---          | ---           | ---           |
| 3515            | ---          | ---           | ---           |
| 5422            | G5632-01     | G7529.00 THCF | G7529.00 THCF |
| 5424            | ---          | LIN CORR      | LIN CORR      |
| 7401            | BD136        | BD229         | BD229         |
| 7402            | BD137        | BD228         | BD228         |
| 9424            | ---          | ---           | ---           |
| 9500            | ---          | ---           | ---           |

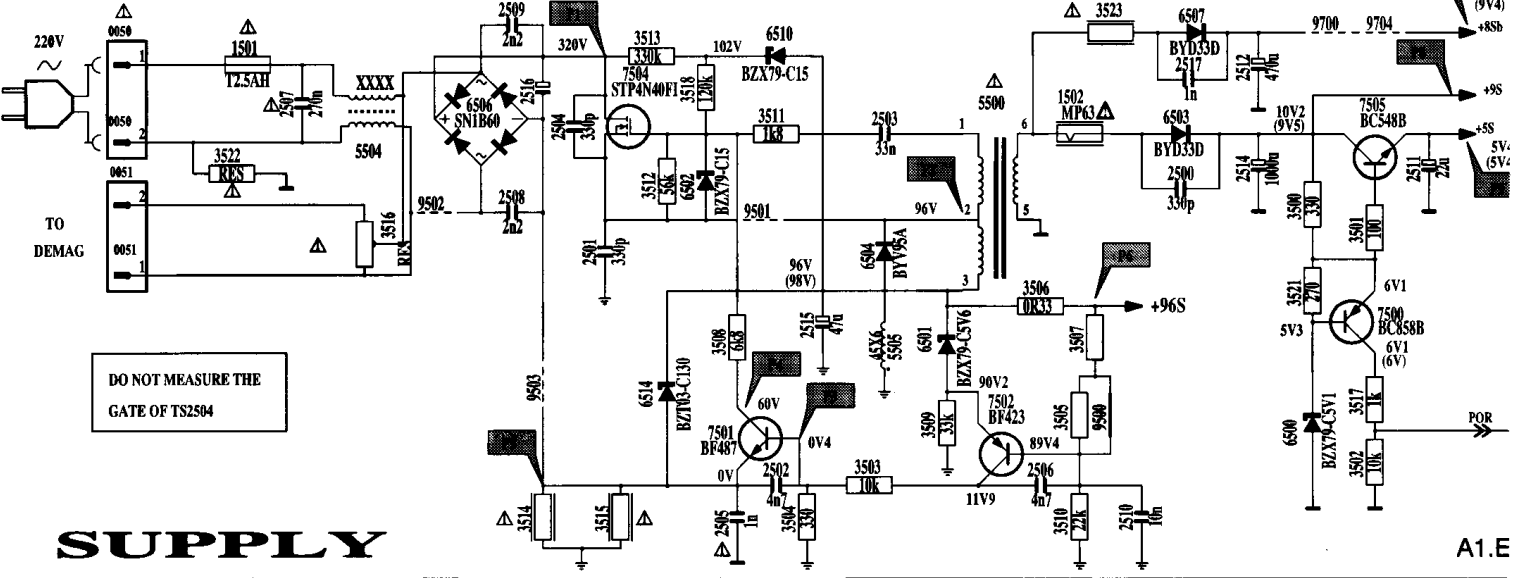
FRAME-AMPLIFIER



| FRAME-AMPLIFIER |              |                    |
|-----------------|--------------|--------------------|
| w +             | SCA41<br>PAL | SCA42<br>PAL/SECAM |
| 7100            | TDA8361/N4   | TDA8362E/N4        |



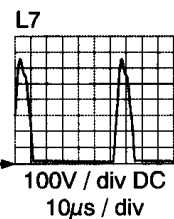
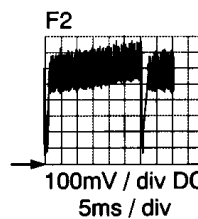
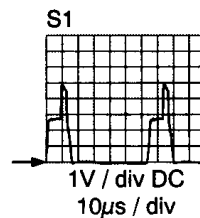
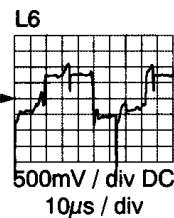
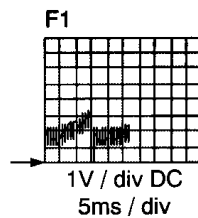
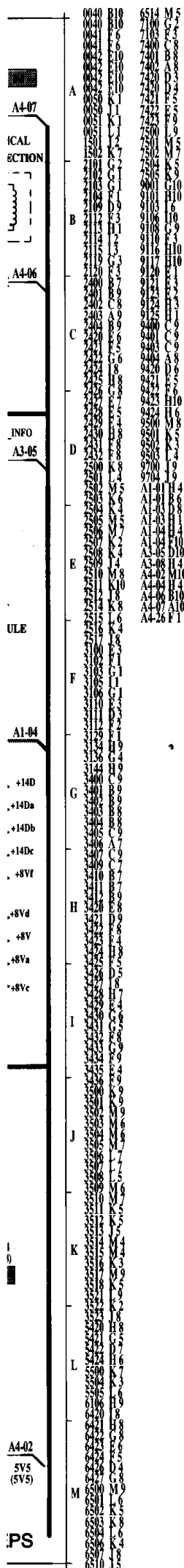
|      | SYS70<br>BG mono | SYS71<br>BG/L/L' mono | SYS72<br>I mono | SYS73<br>BG/DK mono | SYS74<br>BG(2Sc) | SYS75<br>BG/DK(2Sc) | SYS76<br>NIC BG | SYS77<br>NIC I | SYS78<br>NIC L |
|------|------------------|-----------------------|-----------------|---------------------|------------------|---------------------|-----------------|----------------|----------------|
| 3134 | 47               | 27                    | 47              | 33                  | 47               | 39                  | 47              | 47             | 33             |
| 3523 | 3R3              | 3R3                   | 3R3             | 3R3                 | 1R               | 1R                  | 1R              | 1R             | 1R             |



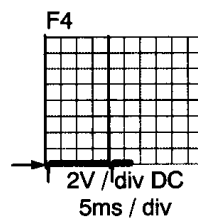
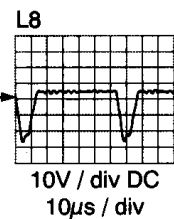
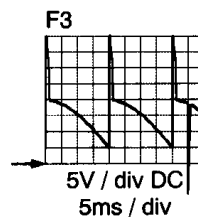
DO NOT MEASURE THE GATE OF TS2504

SUPPLY

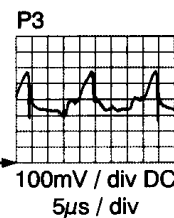
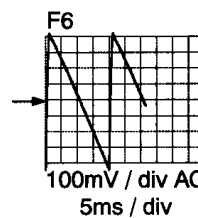
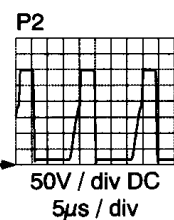
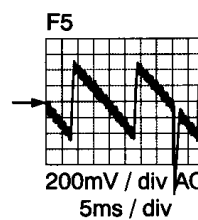
# Module secteur & Étage de lignes



→ = 0V



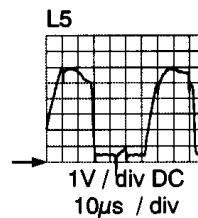
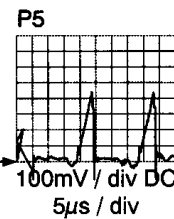
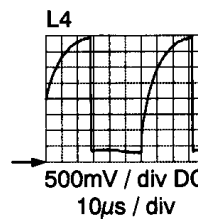
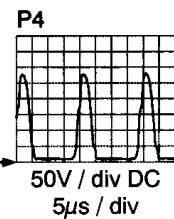
P1 320V DC



L1 140.3V DC

L2 13.6V DC

L3 39V DC



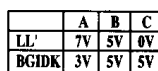
P6 95.7V DC

P7 10.3V DC

P8 10.2V DC

P9 5.4V DC

# AM-SOUND



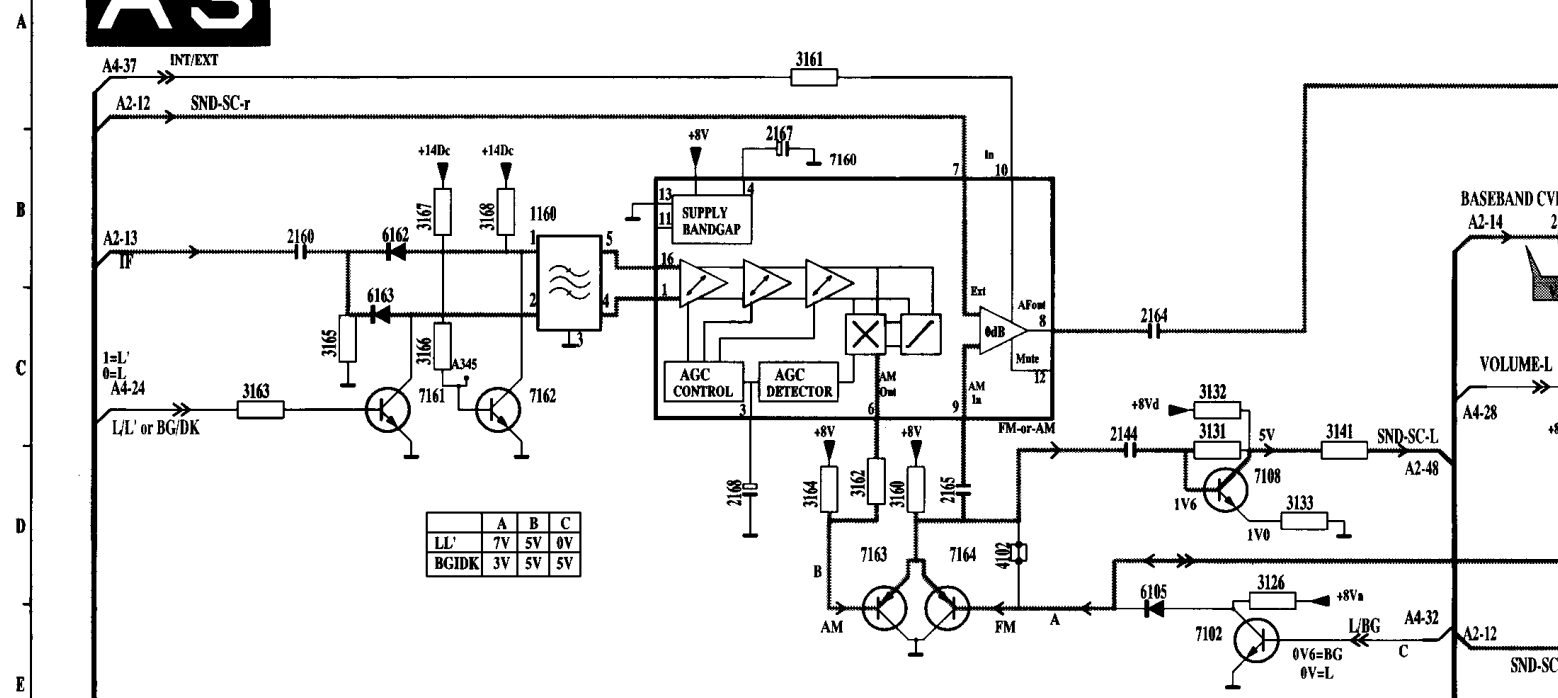
| 2107<br>00X0 | SCA41<br>PAL | SCA42<br>PAL/SECAM | SYS70<br>BG mono | SYS71<br>BG/L/L' mono | SYS72<br>I mono | SYS73<br>BG/DK mono | SYS74<br>BG(2Sc) | SYS75<br>BG/DK(2Sc) | SYS76<br>NIC BG | SYS77<br>NIC I | SYS78<br>NIC L |
|--------------|--------------|--------------------|------------------|-----------------------|-----------------|---------------------|------------------|---------------------|-----------------|----------------|----------------|
| 0070         |              |                    | +++              | +++                   | +++             | +++                 | ---              | ---                 | ---             | ---            | ---            |
| 1101         |              |                    | 5M5              | 5M5                   | 6M              | 5M5                 | ---              | ---                 | ---             | ---            | ---            |
| 1103         |              |                    | ---              | ---                   | ---             | 6M5                 | ---              | ---                 | ---             | ---            | ---            |
| 1160         |              |                    | ---              | OFWL9453M             | ---             | ---                 | ---              | ---                 | ---             | ---            | 6M5            |
| 2126         | ---          | 100n               |                  |                       |                 |                     |                  |                     |                 |                |                |
| 2127         | ---          | 100n               |                  |                       |                 |                     |                  |                     |                 |                |                |
| 2128         | ---          | 220n               |                  |                       |                 |                     |                  |                     |                 |                |                |
| 2133         |              |                    | 1n               | 1n                    | 1n              | 1n                  | ---              | ---                 | ---             | ---            | ---            |
| 2134         |              |                    | 47p              | 47p                   | 47p             | 47p                 | ---              | ---                 | ---             | ---            | ---            |
| 2141         |              |                    | 100n             | ---                   | 100n            | 100n                | ---              | ---                 | ---             | ---            | ---            |
| 2144         |              |                    | 220n             | 220n                  | 220n            | 220n                | ---              | ---                 | ---             | ---            | ---            |
| 2145         |              |                    | 3n9              | 3n9                   | 3n9             | 3n9                 | ---              | ---                 | ---             | ---            | ---            |
| 2160         |              |                    | ---              | 4n7                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 2164         |              |                    | ---              | 100n                  | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 2165         |              |                    | ---              | 220n                  | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 2167         |              |                    | ---              | 4n7                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 2168         |              |                    | ---              | 4n7                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 2170         |              |                    | 1n5              | 1n5                   | 1n5             | 1n5                 | ---              | ---                 | ---             | ---            | ---            |
| 3109         | ---          | OR                 |                  |                       |                 |                     |                  |                     |                 |                |                |
| 3120         |              |                    | 1k               | 1k                    | 1k              | 1k                  | ---              | ---                 | ---             | ---            | ---            |
| 3126         |              |                    | ---              | 1k                    | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 3131         |              |                    | 390k             | 390k                  | 390k            | 390k                | ---              | ---                 | ---             | ---            | 1k             |
| 3132         |              |                    | 680              | 680                   | 680             | 680                 | ---              | ---                 | ---             | ---            | ---            |
| 3133         |              |                    | 180              | 220                   | 180             | 180                 | ---              | ---                 | ---             | ---            | ---            |
| 3139         |              |                    | 3k3              | ---                   | 3k3             | 3k3                 | ---              | ---                 | ---             | ---            | ---            |
| 3141         |              |                    | 150              | 150                   | 150             | 150                 | ---              | ---                 | ---             | ---            | ---            |
| 3142         |              |                    | 18k              | ---                   | 18k             | 18k                 | ---              | ---                 | ---             | ---            | ---            |
| 3160         |              |                    | ---              | 4k7                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 3161         |              |                    | ---              | 10k                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 3162         |              |                    | ---              | 39k                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 3163         |              |                    | ---              | 22k                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 3164         |              |                    | ---              | 22k                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 3165         |              |                    | ---              | 2k2                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 3166         |              |                    | ---              | 22k                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 3167         |              |                    | ---              | 4k7                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 3168         |              |                    | ---              | 4k7                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 3169         |              |                    | RES              | ---                   | RES             | RES                 | ---              | ---                 | ---             | ---            | ---            |
| 3170         |              |                    | 6k8              | ---                   | 6k8             | 6k8                 | ---              | ---                 | ---             | ---            | ---            |
| 3702         |              |                    | 15k              | ---                   | 15k             | 15k                 | ---              | ---                 | ---             | ---            | ---            |
| 4102         |              |                    | 50m              | ---                   | 50m             | 50m                 | ---              | ---                 | ---             | ---            | ---            |
| 6105         |              |                    | ---              | 1N4148                | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 6162         |              |                    | ---              | 1N4148                | ---             | ---                 | ---              | ---                 | ---             | ---            | 1N4148         |
| 6163         |              |                    | ---              | 1N4148                | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 7100         | TDA8361/N4   | TDA8362E/N4        |                  |                       |                 |                     |                  |                     |                 |                |                |
| 7102         |              |                    | ---              | BC848B                | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 7106         | ---          | TDA8395/N1         |                  |                       |                 |                     |                  |                     |                 |                | BC848B         |
| 7108         |              |                    | BC848C           | BC848C                | BC848C          | BC848C              | ---              | ---                 | ---             | ---            | ---            |
| 7160         |              |                    | ---              | RES                   | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 7161         |              |                    | ---              | BC848B                | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 7162         |              |                    | ---              | BC848B                | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 7163         |              |                    | ---              | BC858B                | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 7164         |              |                    | ---              | BC858B                | ---             | ---                 | ---              | ---                 | ---             | ---            | ---            |
| 7700         |              |                    | TDA7052          | TDA7052A              | TDA7052         | TDA7052             | ---              | ---                 | ---             | ---            | ---            |
| 9111         |              |                    | +++              | +++                   | +++             | +++                 | ---              | ---                 | ---             | ---            | ---            |
| 9112         |              |                    | +++              | ---                   | +++             | +++                 | ---              | ---                 | ---             | ---            | ---            |
| 9082         |              |                    | +++              | ---                   | +++             | +++                 | ---              | ---                 | ---             | ---            | ---            |





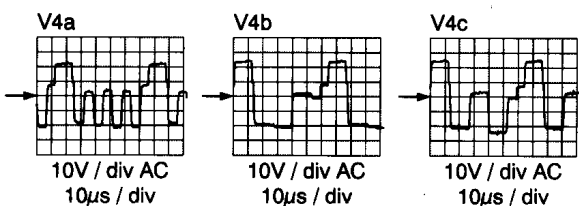
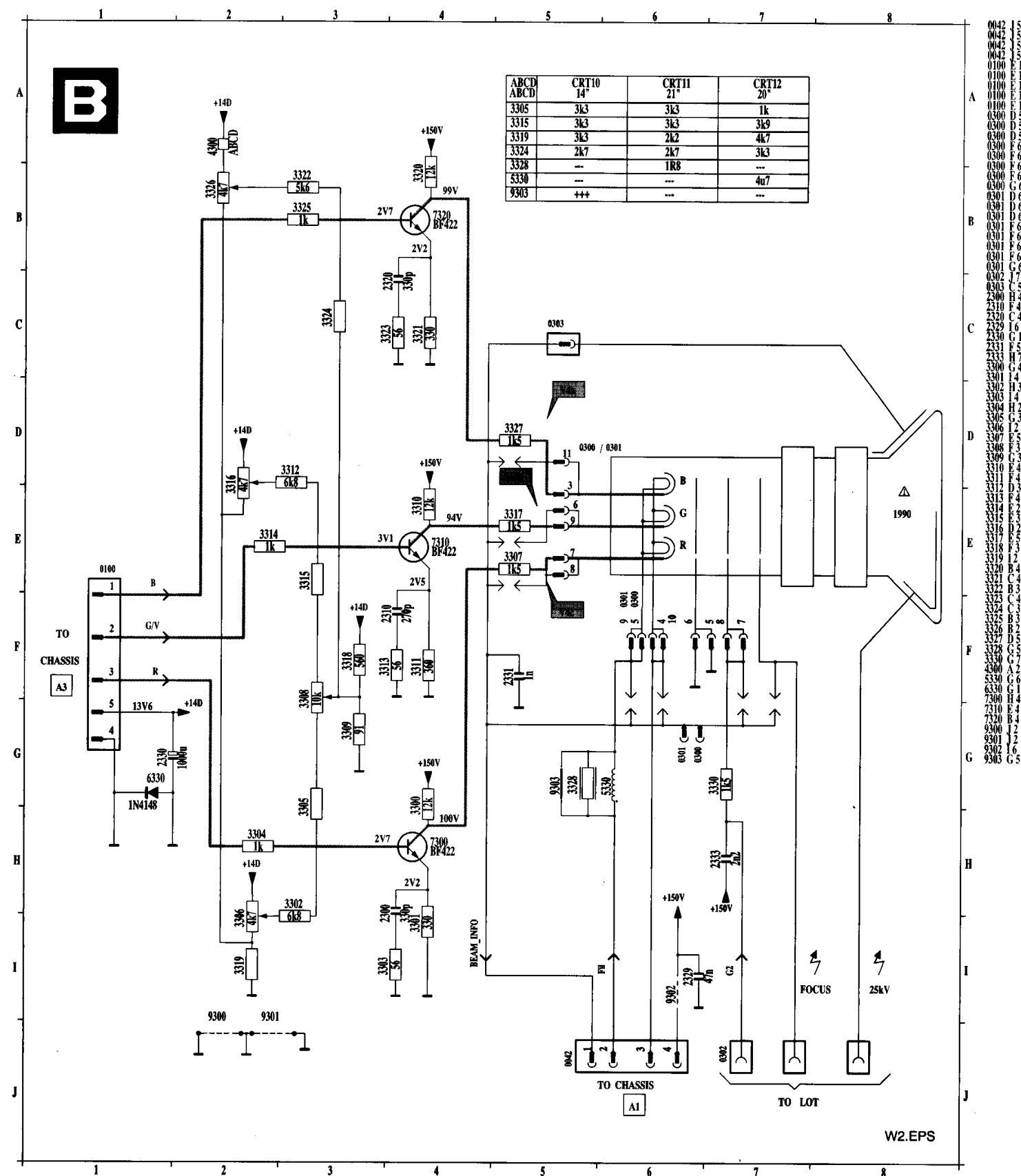
A3

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|      |            |             |         |              |         |            |         |            |        |       |        |
|------|------------|-------------|---------|--------------|---------|------------|---------|------------|--------|-------|--------|
| 2107 | SCA41      | SCA42       | SY570   | SY571        | SY572   | SY573      | SY574   | SY575      | SY576  | SY577 | SY578  |
| 00X0 | PAL        | PAL/SECAM   | BG mono | BG/L/L' mono | I mono  | BG/DK mono | BG(2Sc) | BG/DK(2Sc) | NIC BG | NIC I | NIC L  |
| 0070 |            |             | +++     | +++          | +++     | +++        | ---     | ---        | ---    | ---   | ---    |
| 1101 |            |             | 5M5     | 5M5          | 6M      | 5M5        | ---     | ---        | ---    | ---   | ---    |
| 1103 |            |             | ---     | ---          | ---     | 6M5        | ---     | ---        | ---    | ---   | 6M5    |
| 1160 |            |             | ---     | OPWL9453M    | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 2126 | ---        | 100n        | ---     | ---          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 2127 | ---        | 100n        | ---     | ---          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 2128 | ---        | 220n        | ---     | ---          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 2133 |            |             | 1n      | 1n           | 1n      | 1n         | ---     | ---        | ---    | ---   | ---    |
| 2134 |            |             | 47p     | 47p          | 47p     | 47p        | ---     | ---        | ---    | ---   | ---    |
| 2141 |            |             | 100n    | ---          | 100n    | 100n       | ---     | ---        | ---    | ---   | ---    |
| 2144 |            |             | 220n    | 220n         | 220n    | 220n       | ---     | ---        | ---    | ---   | ---    |
| 2145 |            |             | 3n9     | 3n9          | 3n9     | 3n9        | ---     | ---        | ---    | ---   | ---    |
| 2160 |            |             | ---     | 4n7          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 2164 |            |             | ---     | 100n         | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 2165 |            |             | ---     | 220n         | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 2167 |            |             | ---     | 4n7          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 2168 |            |             | ---     | 4u7          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 2170 |            |             | 1n5     | 1n5          | 1n5     | 1n5        | ---     | ---        | ---    | ---   | ---    |
| 3109 | ---        | 0R          | ---     | ---          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 3120 |            |             | 1k      | 1k           | 1k      | 1k         | ---     | ---        | ---    | ---   | ---    |
| 3126 |            |             | ---     | 1k           | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 3131 |            |             | 390k    | 390k         | 390k    | 390k       | ---     | ---        | ---    | ---   | 1k     |
| 3132 |            |             | 680     | 680          | 680     | 680        | ---     | ---        | ---    | ---   | ---    |
| 3133 |            |             | 180     | 220          | 180     | 180        | ---     | ---        | ---    | ---   | ---    |
| 3139 |            |             | 3k3     | ---          | 3k3     | 3k3        | ---     | ---        | ---    | ---   | ---    |
| 3141 |            |             | 150     | 150          | 150     | 150        | ---     | ---        | ---    | ---   | ---    |
| 3142 |            |             | 18k     | ---          | 18k     | 18k        | ---     | ---        | ---    | ---   | ---    |
| 3160 |            |             | ---     | 4k7          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 3161 |            |             | ---     | 10k          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 3162 |            |             | ---     | 39k          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 3163 |            |             | ---     | 22k          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 3164 |            |             | ---     | 22k          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 3165 |            |             | ---     | 2k2          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 3166 |            |             | ---     | 22k          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 3167 |            |             | ---     | 4k7          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 3168 |            |             | ---     | 4k7          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 3169 |            |             | RES     | ---          | RES     | RES        | ---     | ---        | ---    | ---   | ---    |
| 3170 |            |             | 6k8     | ---          | 6k8     | 6k8        | ---     | ---        | ---    | ---   | ---    |
| 3702 |            |             | 15k     | ---          | 15k     | 15k        | ---     | ---        | ---    | ---   | ---    |
| 4102 |            |             | 50m     | ---          | 50m     | 50m        | ---     | ---        | ---    | ---   | ---    |
| 6105 |            |             | ---     | 1N4148       | ---     | ---        | ---     | ---        | ---    | ---   | 1N4148 |
| 6162 |            |             | ---     | 1N4148       | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 6163 |            |             | ---     | 1N4148       | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 7100 | TDA8361/N4 | TDA8362E/N4 | ---     | BC848B       | ---     | ---        | ---     | ---        | ---    | ---   | BC848B |
| 7102 | ---        | ---         | ---     | ---          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 7106 | ---        | TDA8395/N1  | ---     | ---          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 7108 | ---        | ---         | BC848C  | BC848C       | BC848C  | BC848C     | ---     | ---        | ---    | ---   | ---    |
| 7160 | ---        | ---         | ---     | RES          | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 7161 | ---        | ---         | ---     | BC848B       | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 7162 | ---        | ---         | ---     | BC848B       | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 7163 | ---        | ---         | ---     | BC858B       | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 7164 | ---        | ---         | ---     | BC858B       | ---     | ---        | ---     | ---        | ---    | ---   | ---    |
| 7700 | ---        | ---         | TDA7052 | TDA7052A     | TDA7052 | TDA7052    | ---     | ---        | ---    | ---   | ---    |
| 9111 | ---        | ---         | +++     | +++          | +++     | +++        | ---     | ---        | ---    | ---   | ---    |
| 9112 | ---        | ---         | +++     | ---          | +++     | +++        | ---     | ---        | ---    | ---   | ---    |
| 9802 | ---        | ---         | +++     | ---          | +++     | +++        | ---     | ---        | ---    | ---   | ---    |





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