

## PIN ASSIGNMENT OF SLAVE REMOTE CONNECTORS A AND B

### SLAVE REMOTE CONNECTOR A:

| PIN | SIGNAL NAME | FUNCTION              | SIGNALTYPE       |
|-----|-------------|-----------------------|------------------|
| 1   | GND         | 0.0V                  | switch in<br>TTL |
| 2   | SERIN       | Serial audio status   |                  |
| 3   | SEROUT      | Serial audio commands |                  |
| 4   | FORMAT      | Remote control active |                  |
| 5   | CTL         | Video CTL pulse       |                  |
| 6   | REC         | Rem. indic. RECORD    |                  |
| 7   | EDIT        | Rem. indic. EDIT      |                  |
| 8   | PAUSE       | Rem. indic. PAUSE     |                  |
| 9   |             |                       |                  |
| 10  | STANDBY     | Rem. indic. STANDBY   |                  |
| 11  | REW         | Rem. indic. REWIND    |                  |
| 12  | FF          | Rem. indic. FORWARD   |                  |
| 13  | PLAY        | Rem. indic. PLAY      |                  |
| 14  | +6.5V       | Rem. power ON         |                  |
| 15  | CLOCK       | Serial rem. clock     |                  |
| 16  | STROBE      | Serial rem. strobe    |                  |
| 17  | OSAFETY     | Safe out              |                  |
| 18  | OREC        | Record out            |                  |
| 19  | OEDIT       | EDIT OUT              |                  |
| 20  | OCUT        | CUT OUT               |                  |
| 21  | OSTOP       | STOP OUT              |                  |
| 22  | OPAUSE      | PAUSE OUT             |                  |
| 23  | FWD/REV     | Search direction      |                  |
| 24  |             |                       |                  |
| 25  | SFREQ       | Search speed          |                  |

OC.OUT = output with  
external pull-  
up resistor  
(+28V max.)

SWITCH IN = open collector or  
switch driving to  
ground

## PIN ASSIGNMENT OF SLAVE REMOTE CONNECTORS A AND B

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### SLAVE REMOTE CONNECTOR B:

| PIN | SIGNAL NAME | FUNCTION             | SIGNALTYPE |
|-----|-------------|----------------------|------------|
| 1   | 0.0 V       | GND Synchronizer     | SWITCH IN  |
| 2   | RECEN       | Record enable signal |            |
| 3   |             |                      |            |
| 4   |             |                      |            |
| 5   |             |                      |            |
| 6   | REL 1       | Relais contact 1     |            |
| 7   | REL 2       | Relais contact 2     |            |
| 8   |             |                      |            |
| 9   |             |                      |            |
| 10  |             |                      |            |
| 11  |             |                      |            |
| 12  |             |                      |            |
| 13  |             |                      |            |
| 14  |             |                      |            |
| 15  |             |                      |            |
| 16  |             |                      |            |
| 17  |             |                      |            |
| 18  |             |                      |            |
| 19  |             |                      |            |
| 20  |             |                      |            |
| 21  |             |                      |            |
| 22  |             |                      |            |
| 23  |             |                      |            |
| 24  |             |                      |            |
| 25  |             |                      |            |

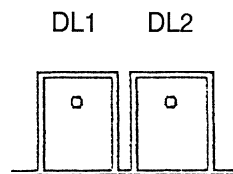
OC.OUT = output with external pull-up resistor (+28V max.)

SWITCH IN = open collector or switch driving to ground

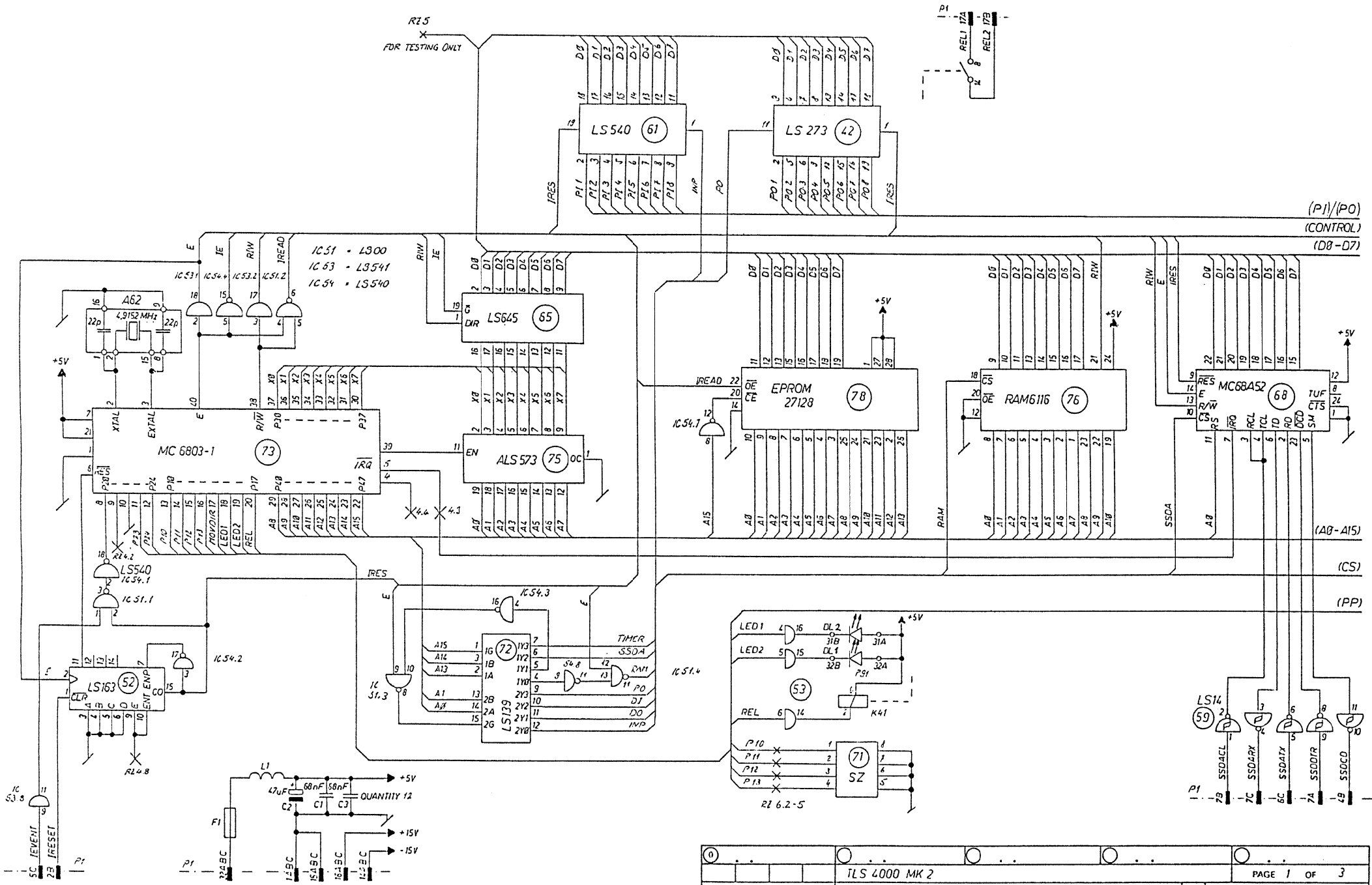
## STATUS DISPLAYS ON THE INTERFACE

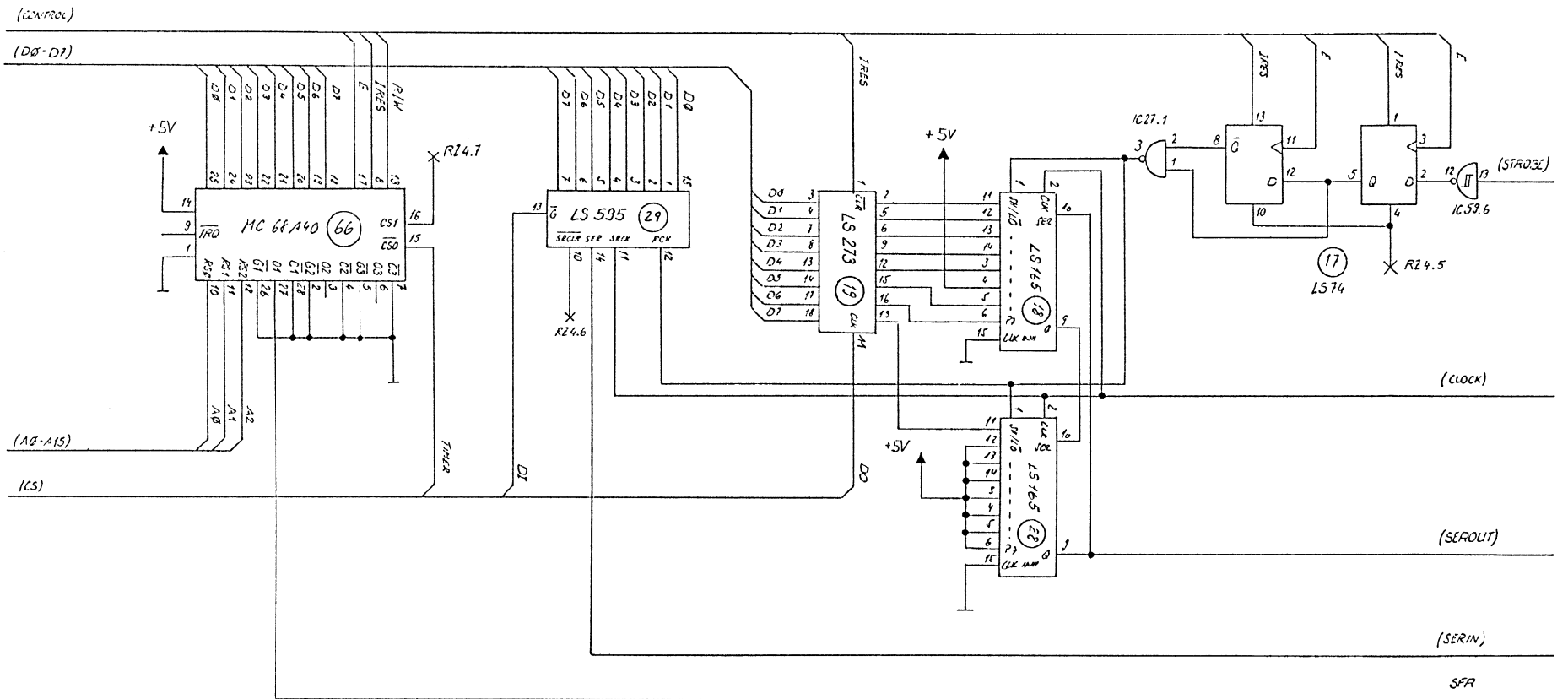
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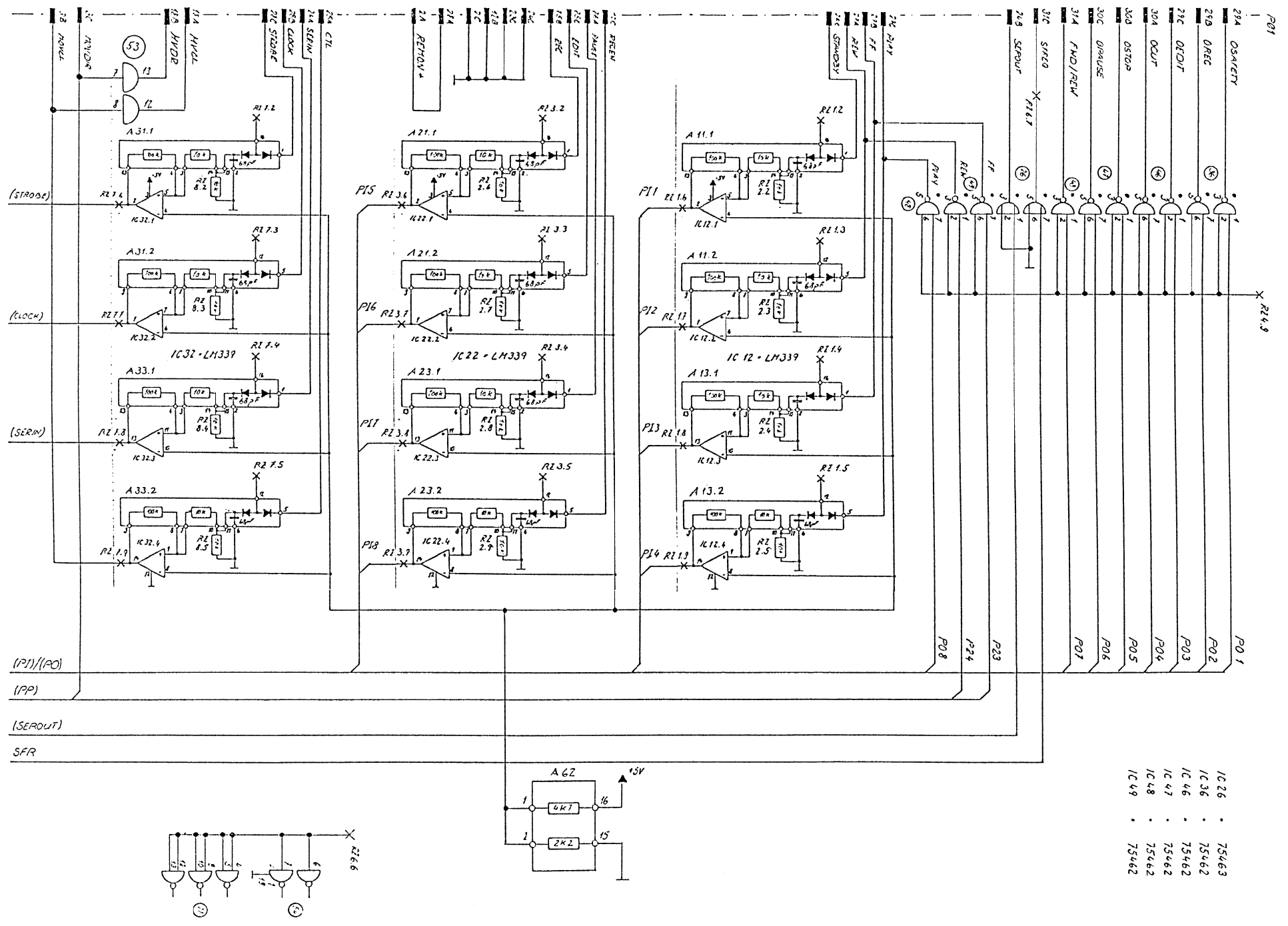
The two LED's on the interface 5850 PCB serve as status indicators and for diagnosing possible problems.



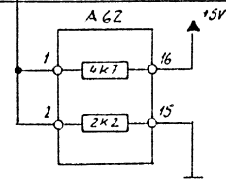
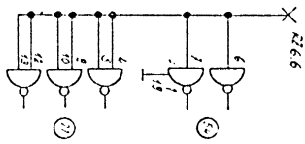
|   |   |  |
|---|---|--|
|   |   | after initialisation                                     |
| - | - | no ERROR   |
| - | * | EPROM error  |
| * | - | RAM error  |
| * | * | SSDA error (serial I/O) defectiv                         |
|   |   | during operation   |
| - | - | no error   |
| - | * |  |
| * | - | no comunication between interface and machine            |
| * | * | no comunication between interface and synchronizer board |

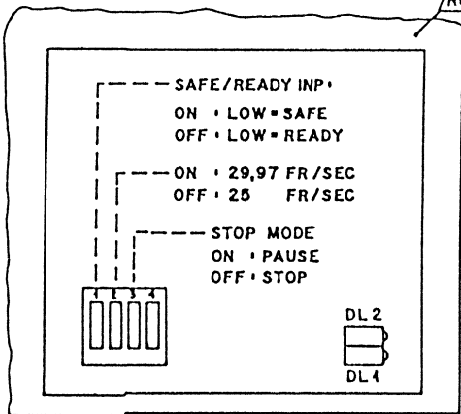
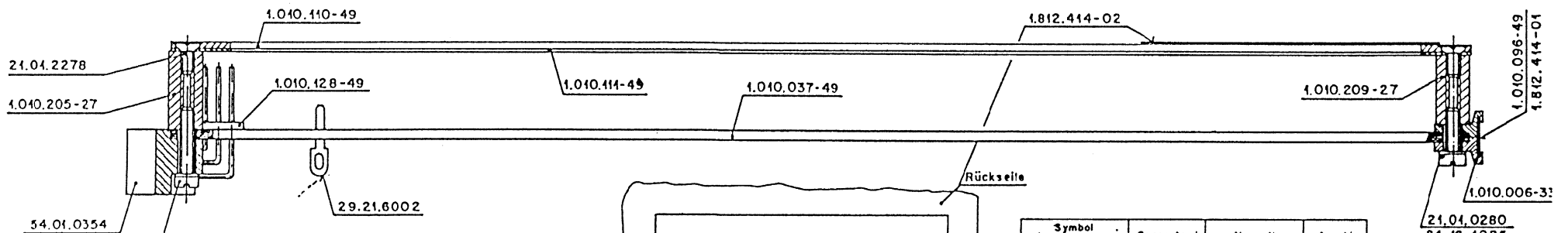
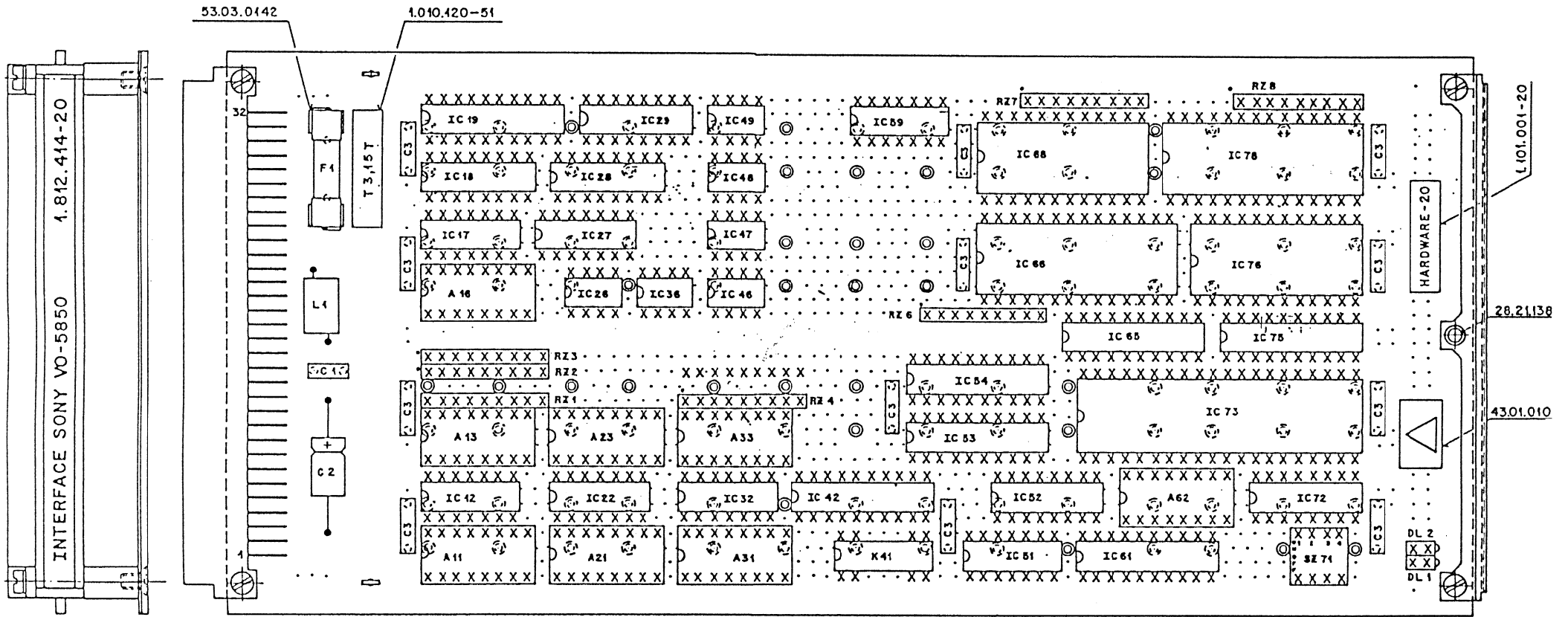






|       |       |
|-------|-------|
| IC 36 | 75463 |
| IC 36 | 75462 |
| IC 46 | 75462 |
| IC 47 | 75462 |
| IC 48 | 75462 |
| IC 49 | 75462 |





| Symbol | verfügl. | Gegenstand  | Norm. Nr.    | Anzahl |
|--------|----------|-------------|--------------|--------|
| ●      | ⊗        | Front Pin   | 1.010. -54   |        |
| X      | ○        | Kontakt Pin | 1.010.028-54 | 730    |
| ○      | ⊙        | Dummy Pin   | 1.010.029-84 | 412    |

|               |                 |                        |                   |          |        |      |  |  |
|---------------|-----------------|------------------------|-------------------|----------|--------|------|--|--|
| Norm-Nr.:     | Güte:           | Abmessung:             | Freimasttoleranz: | Maßstab: | 5.2.87 | A.Ho |  |  |
| DIN-Bez.:     | Beh.:           | Zugehörige Unterlagen: | Erstellt durch:   | Maßstab: | 2:1    |      |  |  |
| Erstellt für: | Erstellt durch: | PL                     |                   |          |        |      |  |  |

STUDEF REGENSDORF ZÜRICH

**INTERFACE SONY VO-5850 ESE**

1.812.414-20

| IND.      | PCS.NO. | PART NO.     | VALUE   | SPECIFICATIONS / EQUIVALENT | MANUF.       |
|-----------|---------|--------------|---------|-----------------------------|--------------|
| A.....11  |         | 1.812.208.00 |         | Assembly 406-11             | St           |
| A.....13  |         | 1.812.208.00 |         | Assembly 406-11             | St           |
| A.....16  |         | 1.812.217.00 |         | Assembly 416-16             | St           |
| A.....21  |         | 1.812.208.00 |         | Assembly 406-11             | St           |
| A.....23  |         | 1.812.208.00 |         | Assembly 406-11             | St           |
| A.....31  |         | 1.812.208.00 |         | Assembly 406-11             | St           |
| A.....33  |         | 1.812.208.00 |         | Assembly 406-11             | St           |
| A.....62  |         | 1.812.201.00 |         | Assembly 120-52             | St           |
| C.....C1  |         | 59.99.0205   | 68N     | -20%, 63V,CER               |              |
| C.....C2  |         | 59.25.3470   | 47U     | -10%, 16V,EL                |              |
| C.....C3  |         | 59.99.1200   | .68U    | 20%, 63V,PE                 | Quantity: 12 |
| DL...C1   |         | 50.04.2107   |         | LED red ,555-2007           | Di           |
| DL...C2   |         | 50.04.2107   |         | LED red ,555-2007           | Di           |
| F.....01. |         | 51.01.0122   | 3,15 AT | 220V, 5 * 20                |              |
| IC...12   |         | 50.11.0104   |         | LM 339 N                    | ,A           |
| IC...17   |         | 50.06.0074   |         | SN 74 LS 74 N               |              |
| IC...18   |         | 50.06.0165   |         | SN 74 LS 165 N              |              |
| IC...19   |         | 50.06.0273   |         | SN 74 LS 273 N              |              |
| IC...22   |         | 50.11.0104   |         | LM 339 N                    | ,A           |
| IC...26   |         | 50.05.0203   |         | SN 75 463 P, SN 55 463 JG   |              |
| IC...27   |         | 50.06.0000   |         | SN 74 LS 00 N               |              |
| IC...28   |         | 50.06.0165   |         | SN 74 LS 165 N              |              |
| IC...29   |         | 50.06.0595   |         | SN 74 LS 595 N              |              |
| IC...32   |         | 50.11.0104   |         | LM 339 N                    | ,A           |
| IC...36   |         | 50.05.0227   |         | SN 75 472 P, SN 75 462 JG   |              |
| IC...42   |         | 50.06.0273   |         | SN 74 LS 273 N              |              |
| IC...46   |         | 50.05.0227   |         | SN 75 472 P, SN 75 462 JG   |              |
| IC...47   |         | 50.05.0227   |         | SN 75 472 P, SN 75 462 JG   |              |
| IC...48   |         | 50.05.0227   |         | SN 75 472 P, SN 75 462 JG   |              |
| IC...49   |         | 50.05.0227   |         | SN 75 472 P, SN 75 462 JG   |              |
| IC...51   |         | 50.06.0000   |         | SN 74 LS 00 N               |              |
| IC...52   |         | 50.06.0163   |         | SN 74 LS 163 AN             |              |
| IC...53   |         | 50.06.0541   |         | SN 74 LS 541 N              |              |



| INC. | POS.NO. | PART NO.   | VALUE    | SPECIFICATIONS / EQUIVALENT     | MANUF.     |
|------|---------|------------|----------|---------------------------------|------------|
|      | IC...54 | 50.06.0540 |          | SN 74 LS 540 N                  |            |
|      | IC...59 | 50.06.0014 |          | SN 74 LS 14 N                   |            |
|      | IC...61 | 50.06.0540 |          | SN 74 LS 540 N                  |            |
|      | IC...65 | 50.06.0645 |          | SN 74 LS 645 N                  |            |
|      | IC...66 | 50.16.0113 |          | MC68 A40 HD68 A40,              | Mot,Hi     |
|      | IC...68 | 50.10.0114 |          | MC68 A52 HD68 A52, S68A52       | Mot,Hi,AMI |
|      | IC...72 | 50.06.0139 |          | SN 74 LS 139 N                  |            |
|      | IC...73 | 50.16.0107 |          | MC 6803P-1, HD 6803P-1          | ,A Mot,Hi  |
|      | IC...75 | 50.06.1573 |          | SN 74 ALS 573 N                 | Ti         |
|      | IC...76 | 50.14.0107 |          | HM 6116 LP-4,MSM 5128-15        | ,A Hi,OKI  |
|      | IC...78 | 50.14.0125 | see Note | P-27128 A, HN 27128 AG25        | ,A It,Hi   |
|      | K....41 | 56.02.1003 | 5 V 1*A  | 100V/0,5A, Print                |            |
|      | L....C1 | 62.01.0115 |          | Wide Band HF-Choke              |            |
|      | P....C1 | 54.01.0354 |          | Card Connector 3 * 32 Euro Wrap |            |
|      | RZ...01 | 57.88.4332 | 8*3.3K   | 5%, Single Line                 |            |
|      | RZ...02 | 57.88.4103 | 8*10K    | 5%, Single Line                 |            |
|      | RZ...03 | 57.88.4332 | 8*3.3K   | 5%, Single Line                 |            |
|      | RZ...04 | 57.88.4332 | 8*3.3K   | 5%, Single Line                 |            |
|      | RZ...06 | 57.88.4332 | 8*3.3K   | 5%, Single Line                 |            |
|      | RZ...07 | 57.88.4332 | 8*3.3K   | 5%, Single Line                 |            |
|      | RZ...C8 | 57.88.4103 | 8*10K    | 5%, Single Line                 |            |
|      | SZ...71 | 55.01.0164 |          | 4 * ON, DIL-Switch              |            |

| IND. | PGS.NC. | PART NO. | VALUE | SPECIFICATIONS / EQUIVALENT | MANUF. |
|------|---------|----------|-------|-----------------------------|--------|
|------|---------|----------|-------|-----------------------------|--------|

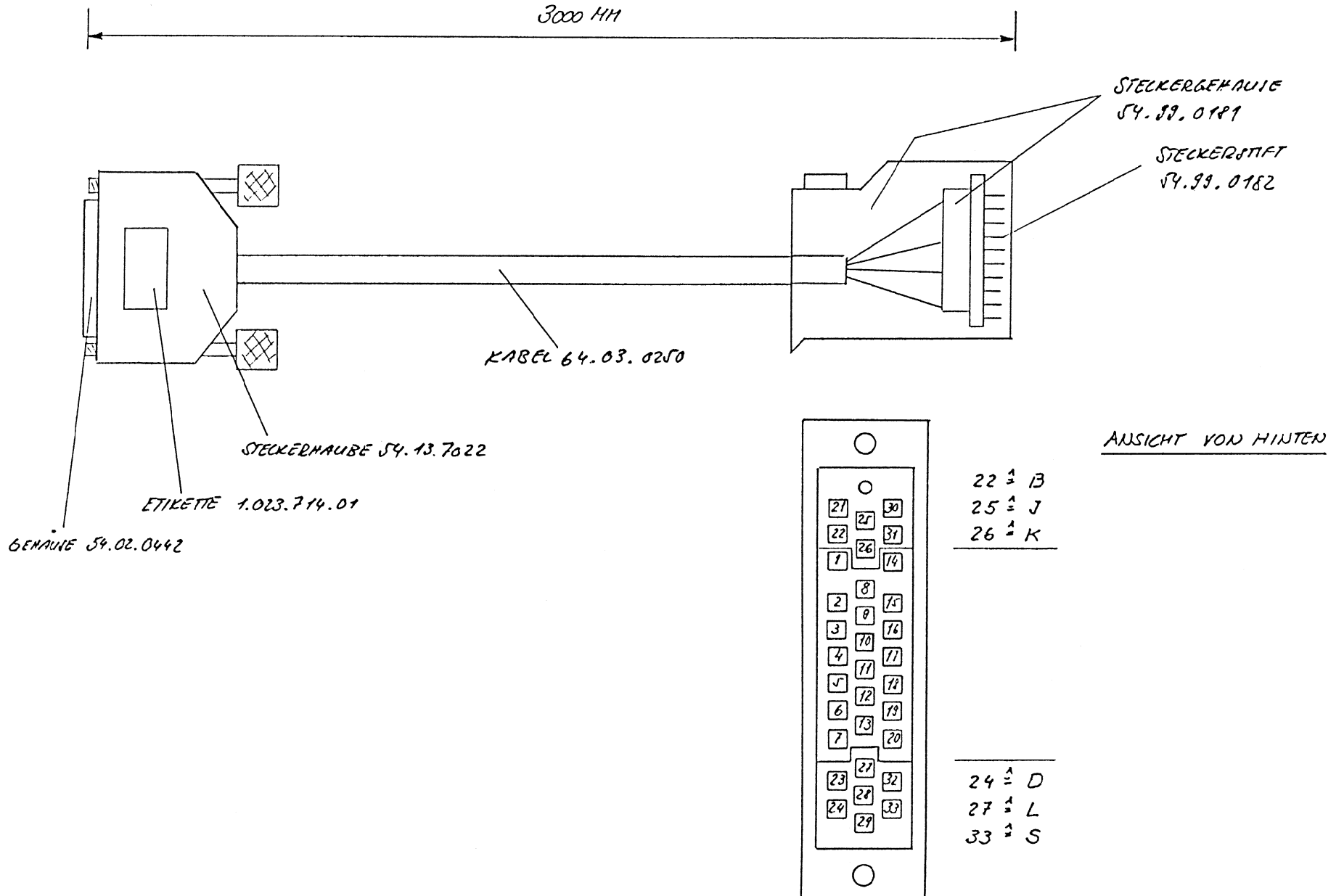
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NGTE : Software release 1.812.957.20 (IC 78)  
RZ 05 is for testing only

CER = CERAMIC, EL = ELECTROLYTIC, PE = MET. POLYESTER

MANUFACTURERS : AMI = American Microsystem Inc.  
Di = Dialco  
Hi = Hitachi  
It = Intel  
Mot = Motorola  
CKI = CKI Semiconductor  
St = Studer  
TI = Texas Instruments

CRIG 87/01/23



PRODUKTIONS-VERDRÄHTUNGS-LISTE

\*\*\* 1.023.714.00 \*\*\*

AEND.DAT. 86/12/16-

SFITE 1

IF-KABEL SONY VO-5850 P

PROC.DAT. 86/12/15 \* 16:30

TOTAL 1 SEITE

| MOD<br>IDX | BAUTEIL NR.  | POS/A.<br>NR. | FARBE | SIGNAL  | NAME | I-- A N F A N G --I |                 |        |     | I--- A N Z A P F U N G ---I |        |     |                 | I----- F N D E -----I |       |                 |        | REM |    |    |  |
|------------|--------------|---------------|-------|---------|------|---------------------|-----------------|--------|-----|-----------------------------|--------|-----|-----------------|-----------------------|-------|-----------------|--------|-----|----|----|--|
|            |              |               |       |         |      | TYP                 | VERDRÄHTUNGSORT | LAENGE | TYP | VERDRÄHTUNGSORT             | LAENGE | TYP | VERDRÄHTUNGSORT | LAENGE                | TYP   | VERDRÄHTUNGSORT | LAENGE |     |    |    |  |
|            |              |               |       |         |      | AS                  | GR              | EL     | PT  | ANFANG                      | AS     | GR  | EL              | PT                    | TOTAL | AS              | GR     | EL  | PT |    |  |
|            | 1.023.714.94 | 0010          |       |         |      |                     |                 |        |     |                             |        |     |                 |                       | 3000  |                 |        |     |    |    |  |
|            |              | 0010          | WS    | GND     |      | B                   | 00              | 00     | 01  | 01                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 14 |  |
|            |              | 0020          | BR    | SERIN   |      | B                   | 00              | 00     | 01  | 02                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 26 |  |
|            |              | 0030          | GN    | SEROUT  |      | B                   | 00              | 00     | 01  | 03                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 27 |  |
|            |              | 0040          | GB    | FORMAT  |      | B                   | 00              | 00     | 01  | 04                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 33 |  |
|            |              | 0050          | GR    | CTL     |      | B                   | 00              | 00     | 01  | 05                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 15 |  |
|            |              | 0060          | RS    | REC     |      | B                   | 00              | 00     | 01  | 06                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 03 |  |
|            |              | 0070          | BL    | EDIT    |      | B                   | 00              | 00     | 01  | 07                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 02 |  |
|            |              | 0080          | RT    | PAUSE   |      | B                   | 00              | 00     | 01  | 08                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 17 |  |
|            |              | 0090          | VI    | STANDBY |      | B                   | 00              | 00     | 01  | 10                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 18 |  |
|            |              | 0100          | GR/RS | REW     |      | B                   | 00              | 00     | 01  | 11                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 11 |  |
|            |              | 0110          | DL/RT | FF      |      | B                   | 00              | 00     | 01  | 12                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 12 |  |
|            |              | 0120          | WS/GN | PLAY    |      | B                   | 00              | 00     | 01  | 13                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 13 |  |
|            |              | 0130          | WS/GB | +6.5V   |      | B                   | 00              | 00     | 01  | 14                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 01 |  |
|            |              | 0140          | GB/BR | CLOCK   |      | B                   | 00              | 00     | 01  | 15                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 24 |  |
|            |              | 0150          | WS/GR | STROBE  |      | B                   | 00              | 00     | 01  | 16                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 25 |  |
|            |              | 0160          | GR/BR | NSAVETY |      | B                   | 00              | 00     | 01  | 17                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 04 |  |
|            |              | 0170          | WS/RS | OREC    |      | B                   | 00              | 00     | 01  | 18                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 05 |  |
|            |              | 0180          | BR/RS | OEDIT   |      | B                   | 00              | 00     | 01  | 19                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 06 |  |
|            |              | 0190          | WS/BL | OCUT    |      | B                   | 00              | 00     | 01  | 20                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 07 |  |
|            |              | 0200          | BL/BR | OSTOP   |      | B                   | 00              | 00     | 01  | 21                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 08 |  |
|            |              | 0210          | GN/BR | OPAUSE  |      | B                   | 00              | 00     | 01  | 22                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 09 |  |
|            |              | 0220          | WS/RT | FWD/REW |      | B                   | 00              | 00     | 01  | 23                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 10 |  |
|            |              | 0230          | WS/SW | SFREQ   |      | B                   | 00              | 00     | 01  | 25                          |        |     |                 |                       |       | Z               | 00     | 00  | 02 | 22 |  |