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**Entitled**

# Ersatzteile Katalog
# 70-220-0000-6

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**It has been published by us to disseminate information about the Soemtron 22x range of electronic desk calculators manufactured by V.E.B. (*1) Büromaschinenwerk Sömmerda, as a project to gather and centralise whatever information can be found about these increasingly rare early electronic calculators.**

**If you have or know of any information, books, drawings, circuits, hardware, test equipment (prufgerat) or other memorabilia relating to the Soemtron 220, 221, 222 or 224 calculators, their trade names - Daro or Soemtron, manufactured by - V.E.B. Büromaschinenwerk Sömmerda, please email us at - mike@soemtron.org**

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**With this effort in mind some of the syntax presented here is a little strange to say the least!. Some portions have been reworked to be more readable English text but there is obviously more to be done. If you can help with this, or indeed have any helpful information or comments, please email us at - mike@soemtron.org**

Please use, and hopefully enjoy, this in information in the spirit in which we undertook to generate it - as an information source for an interesting piece of early calculator history before the advent of modern electronics, in the days when “hands on” engineers thought through the problems and challenges of designing equipment with little resources, to produce the best end product they could.

**January 2017**
www.soemtron.org
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***1 - V.E.B - Volkes Eigener Betrieb = Peoples Owned Company**

# Ersatzteilekatalog

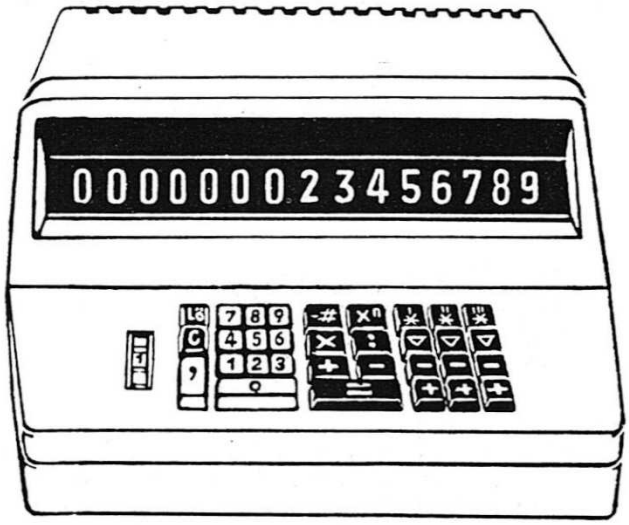
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# 220

## ELEKTRONISCHER TISCHRECHNER




# Ersatzteile-Katalog

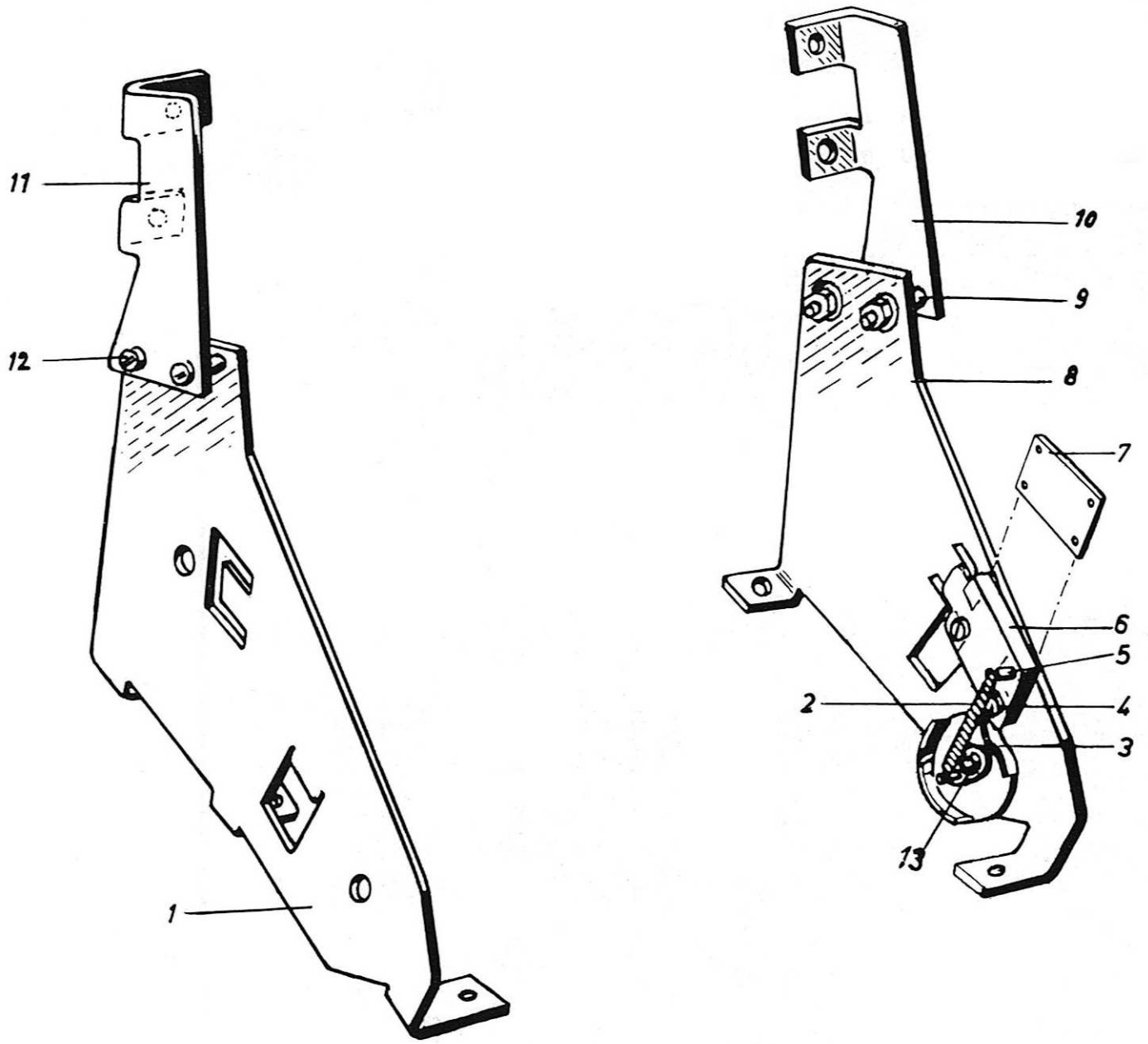
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- Ausgabe Februar 1975 -

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Table 1

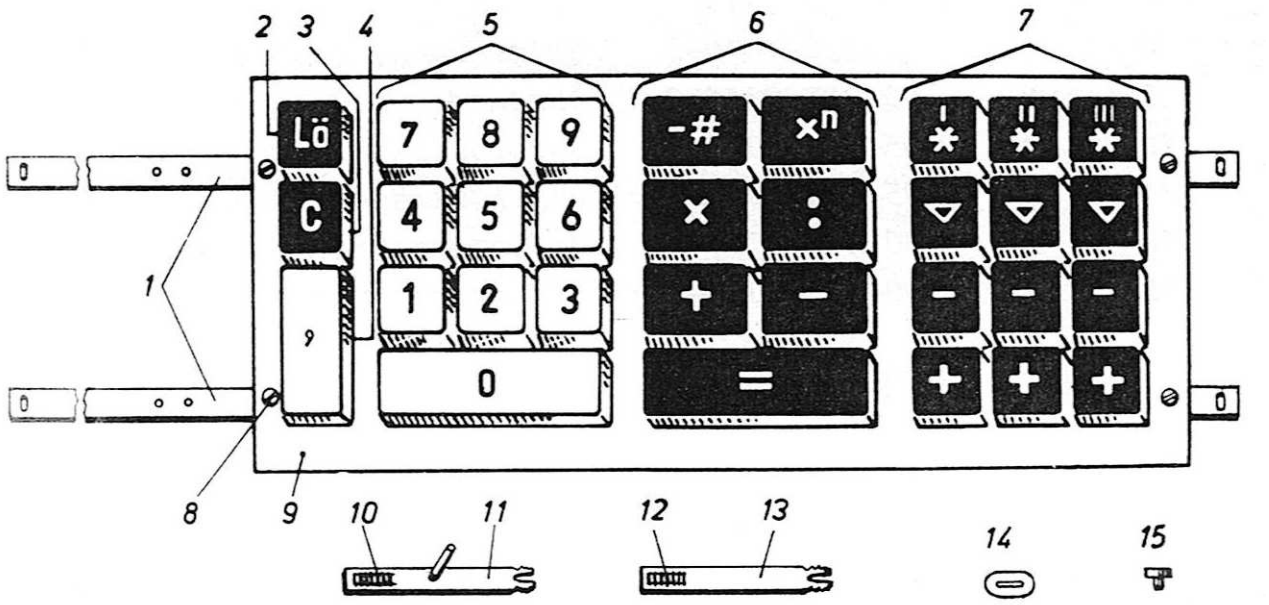



**Side panels**

Table 1

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| 1 | 1 | 05-220-1009-8 | Side panel, left |
| 2 | 1 | 05-060-2630-1 | Tension spring |
| 3 | 1 | 06-220-1078-5 | Control wheel |
| 4 | 2 | 00-201-3406-3 | Cheese head screw M2x10 |
| 5 | 1 | 05-220-1077-2 | Captive screw |
| 6 | 1 | 00-803-7005-5 | Microswitch (220V) |
| 7 | 1 | 05-220-9098-6 | Intermediate plate |
| 8 | 1 | 06-220-1010-0 | Side panel, right |
| 9 | 4 | 00-227-0716-0 | Spacer 3,6x7h11 |
| 10 | 1 | 05-220-1016-1 | Display carrier, right |
| 11 | 1 | 05-220-1015-3 | Display carrier, left |
| 12 | 2 | 00-201-3704-1 | Cheese head screw M3x12 |
| 13 | 1 | 00-225-3097-2 | Lock washer |

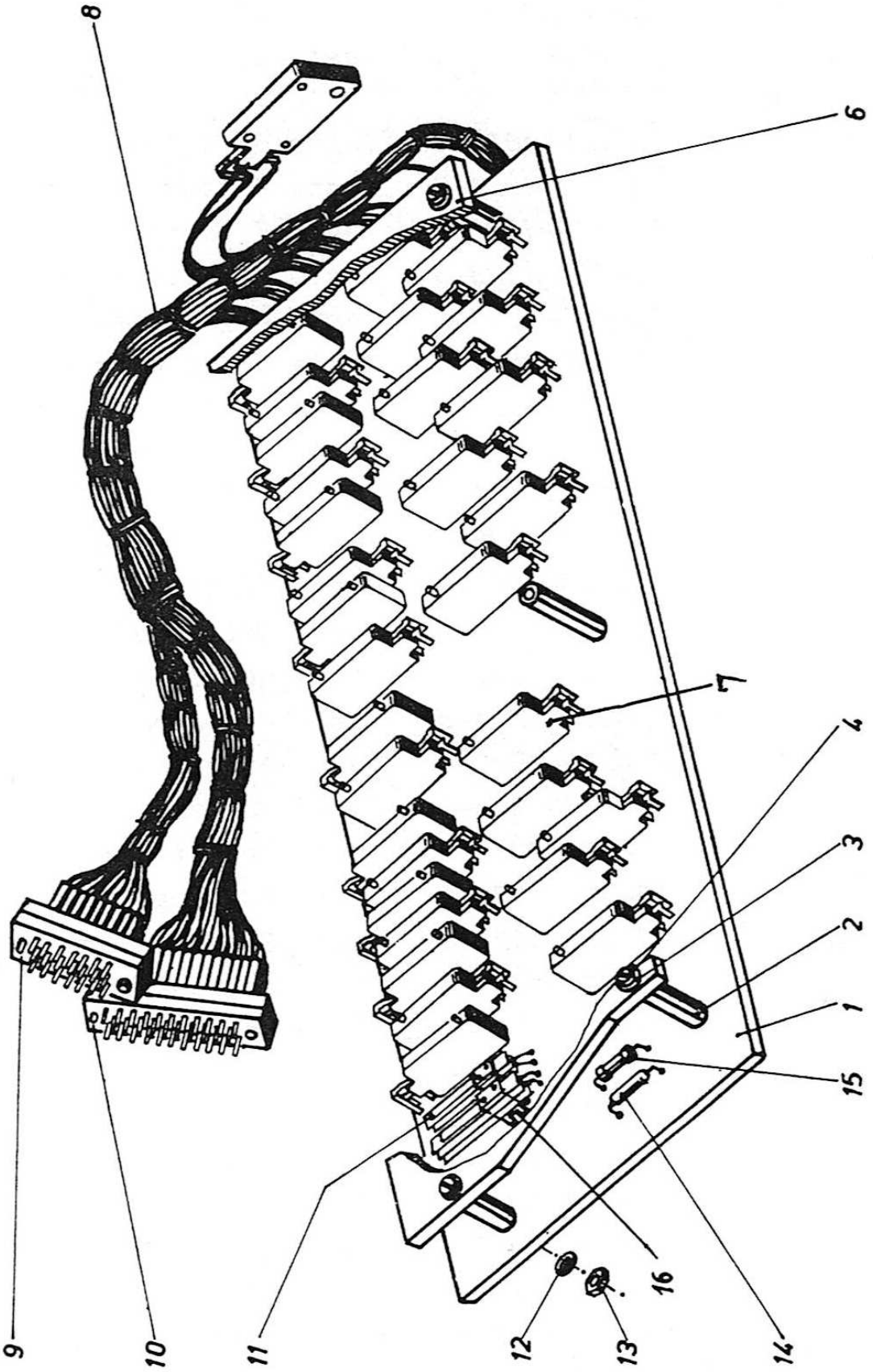
Table 2




**Keyboard**

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| | | 22-220-1096-1 | Complete keyboard |
| 1 | 5 | 05-220-1013-7 | Attaching bracket |
| 2 | 1 | 05-220-1032-1 | Key Lö |
| 3 | 1 | 05-220-1031-3 | Key C |
| 4 | 1 | 05-220-1030-5 | Key , |
| 5 | 1 | 05-220-1020-0 | Key 0 |
| | 1 | 05-220-1021-7 | Key 1 |
| | 1 | 05-220-1022-5 | Key 2 |
| | 1 | 05-220-1023-3 | Key 3 |
| | 1 | 05-220-1024-1 | Key 4 |
| | 1 | 05-220-1025-8 | Key 5 |
| | 1 | 05-220-1026-6 | Key 6 |
| | 1 | 05-220-1027-4 | Key 7 |
| | 1 | 05-220-1028-2 | Key 8 |
| | 1 | 05-220-1029-0 | Key 9 |
| 6 | 1 | 05-220-1045-0 | Key Negate all input # |
| | 1 | 05-220-1044-2 | Key Exponentiation Xn |
| | 1 | 05-220-1040-1 | Key Multiplication X |
| | 1 | 05-226-1041-8 | Key Division : |
| | 1 | 05-220-1042-6 | Key Memory addition + |
| | 1 | 05-220-1043-4 | Key Subtraction - |
| | 1 | 05-220-1039-5 | Key Result = |
| 7 | 1 | 05-220-1036-2 | Key Memory recall with reset Lö I* |
| | 1 | 05-220-1037-0 | Key Memory recall with reset Lö II* |
| | 1 | 05-220-1038-7 | Key Memory recall with reset Lö III* |
| | 3 | 05-220-1033-8 | Key Memory recall without reset ▼ |
| | 3 | 05-220-1035-4 | Key for all Memory Subtraction - |
| | 3 | 05-220-1034-6 | Key for all Memory Addition + |
| 8 | 6 | 00-201-3688-5 | Cheese head screw M3x8 |
| 9 | 1 | 05-220-1096-5 | Upper keyboard guide plate |
| 10 | 3 | 05-000-2781-7 | Compression spring |
| 11 | 1 | 06-220-1008-6 | Key actuator for Lö |
| 12 | 23 | 05-000-2782-5 | Compression spring |
| 13 | 26 | 05-220-1007-3 | Key actuator for all other keys |
| 14 | 31 | 00-812-0202-3 | Absorption disk for all keys |
| 15 | 4 | 05-220-1017-8 | Spacer piece |

Table 2

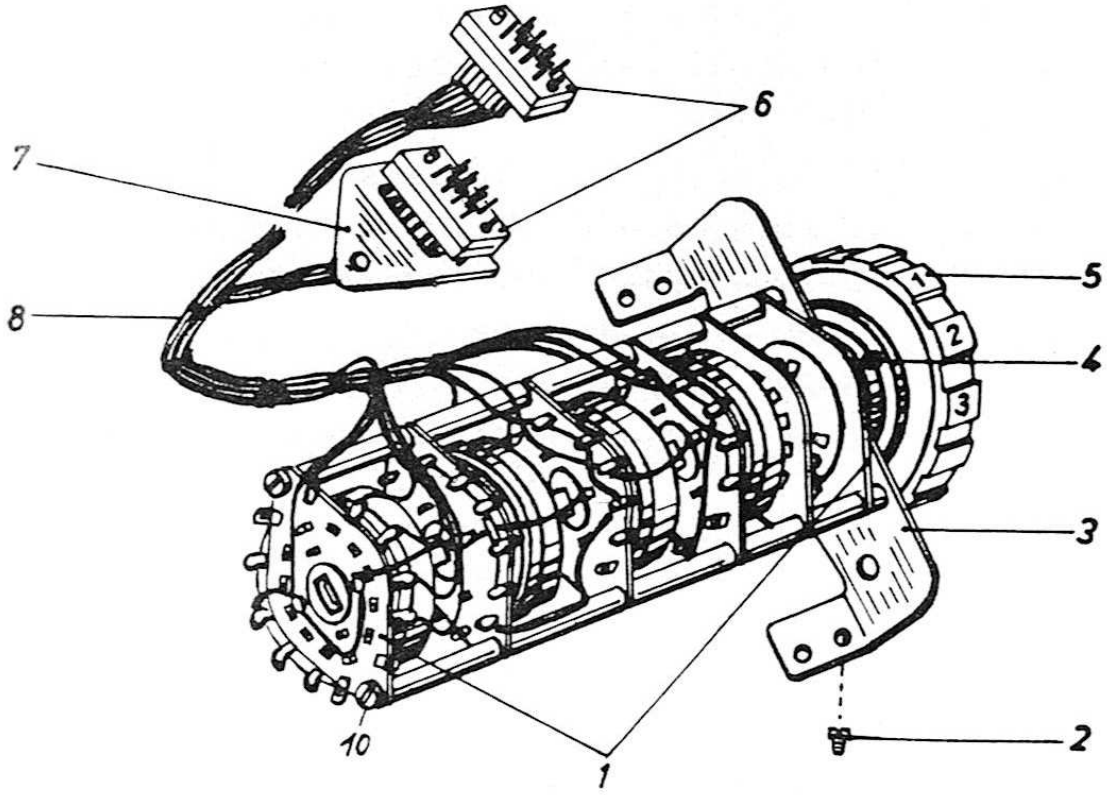


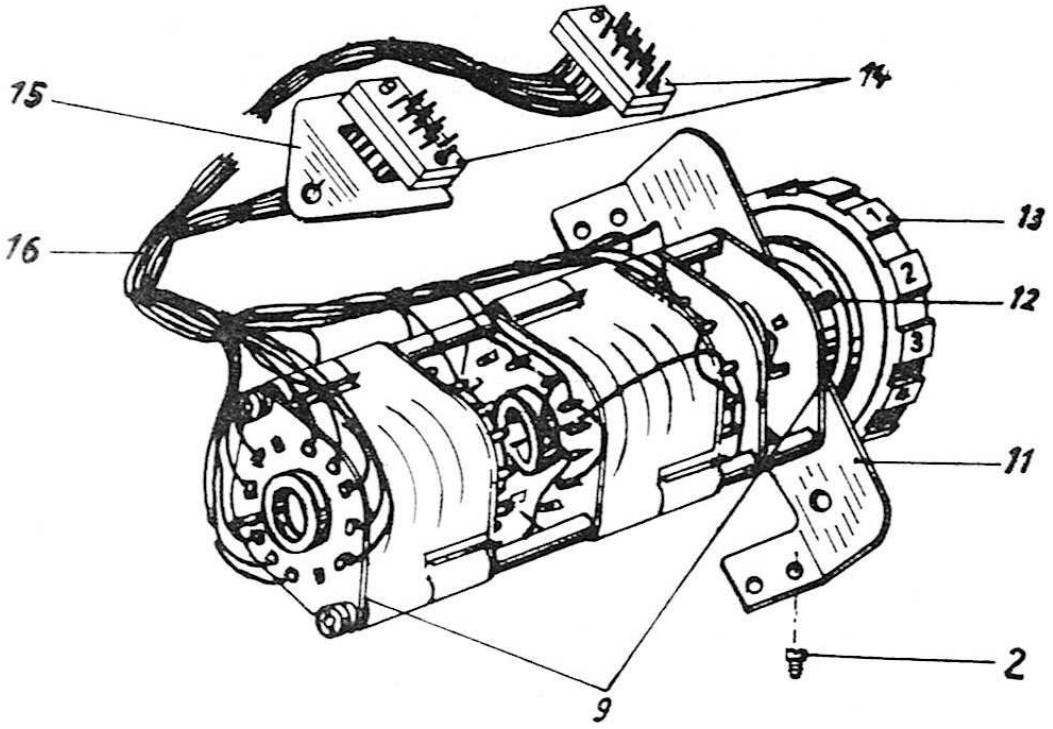

**Keyboard**

Table 3

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| | | 20-220-1097-7 | Complete circuit board with Key switches |
| 1 | 1 | 05-220-1097-3 | Printed circuit board |
| 2 | 6 | 05-220-1098-1 | Threaded spacer |
| 3 | 6 | 05-000-0766-1 | Washer |
| 4 | 6 | 00-201-3688-5 | Cheese head screw M3x8 |
| 6 | 1 | 05-220-1096-5 | Upper keyboard guide plate |
| 7 | 31 | 00-803-7024-8 | Microswitch (24V) |
| 8 | 1 | 06-220-9099-4 | Complete wiring harness |
| 9 | 1 | 00-445-6896-3 | Miniature plug 20-pin |
| 10 | 1 | 00-445-6913-6 | Miniature plug 32-pin |
| 11 | 1 | 00-484-1222-6 | Sprung contact set |
| 12 | 6 | 05-000-0893-5 | Insulating washer |
| 13 | 6 | 06-212-1057-3 | Hexagon nut M3 |
| 14 | 1 | 00-421-3531-5 | Paper capacitor |
| 15 | 1 | 00-400-9965-8 | Film resistor 4,7 ohm 10% 0.125w |
| 16 | 1 | 05-220-9052-2 | Spacer piece |

Table 4



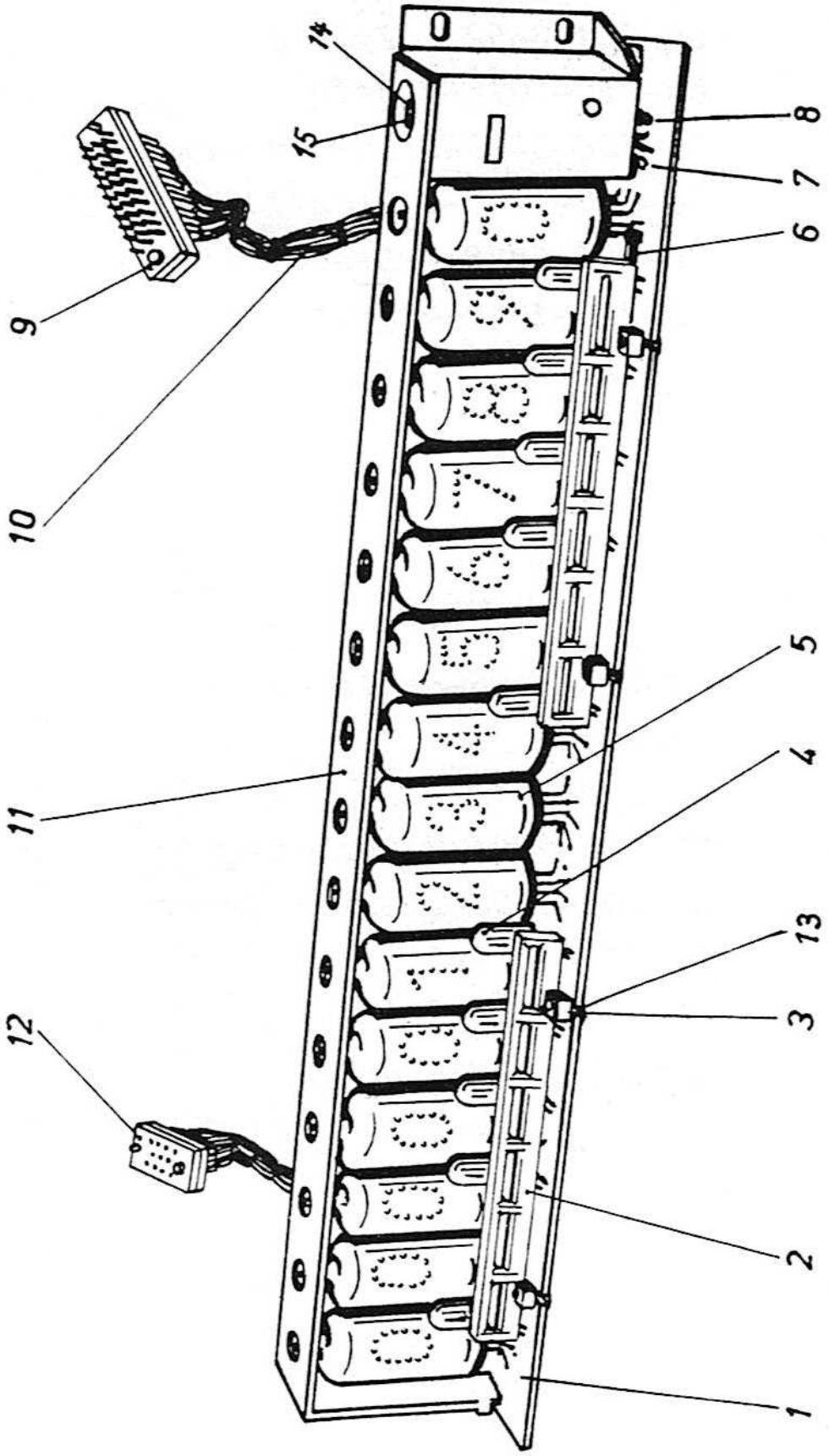




**Keyboard**

Table 4

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| | | 18-220-1095-5 | Complete rotary switch assembly |
| 1 | 1 | 00-803-6033-4 | Rotary switch |
| 2 | 4 | 00-201-3662-7 | Cheese head screw M3x4 |
| 3 | 1 | 05-220-1095-7 | Attaching bracket |
| 4 | 1 | 00-206-0400-2 | Grub screw |
| 5 | 1 | 06-220-1079-3 | Dial |
| 6 | 2 | 00-445-6878-7 | Miniature plug 11-pin |
| 7 | 1 | 05-220-1019-4 | Connector bracket |
| 8 | 1 | 16-220-1079-4 | Complete wiring harness |
| | | | |
| | | 18-220-1195-6 | Small step switch assembly |
| 9 | 1 | 00-803-6035-0 | Small step switch |
| 10 | 4 | 00-201-3612-0 | Cheese head screw M2,6x8 |
| 11 | 1 | 05-220-1095-7 | Attaching bracket |
| 12 | 1 | 00-206-0400-2 | Grub screw |
| 13 | 1 | 06-220-1079-3 | Dial |
| 14 | 2 | 00-445-6878-7 | Miniature plug 11-pin |
| 15 | 1 | 05-220-1019-4 | Connector bracket |
| 16 | 1 | 16-220-1079-4 | Complete wiring harness |

Table 5

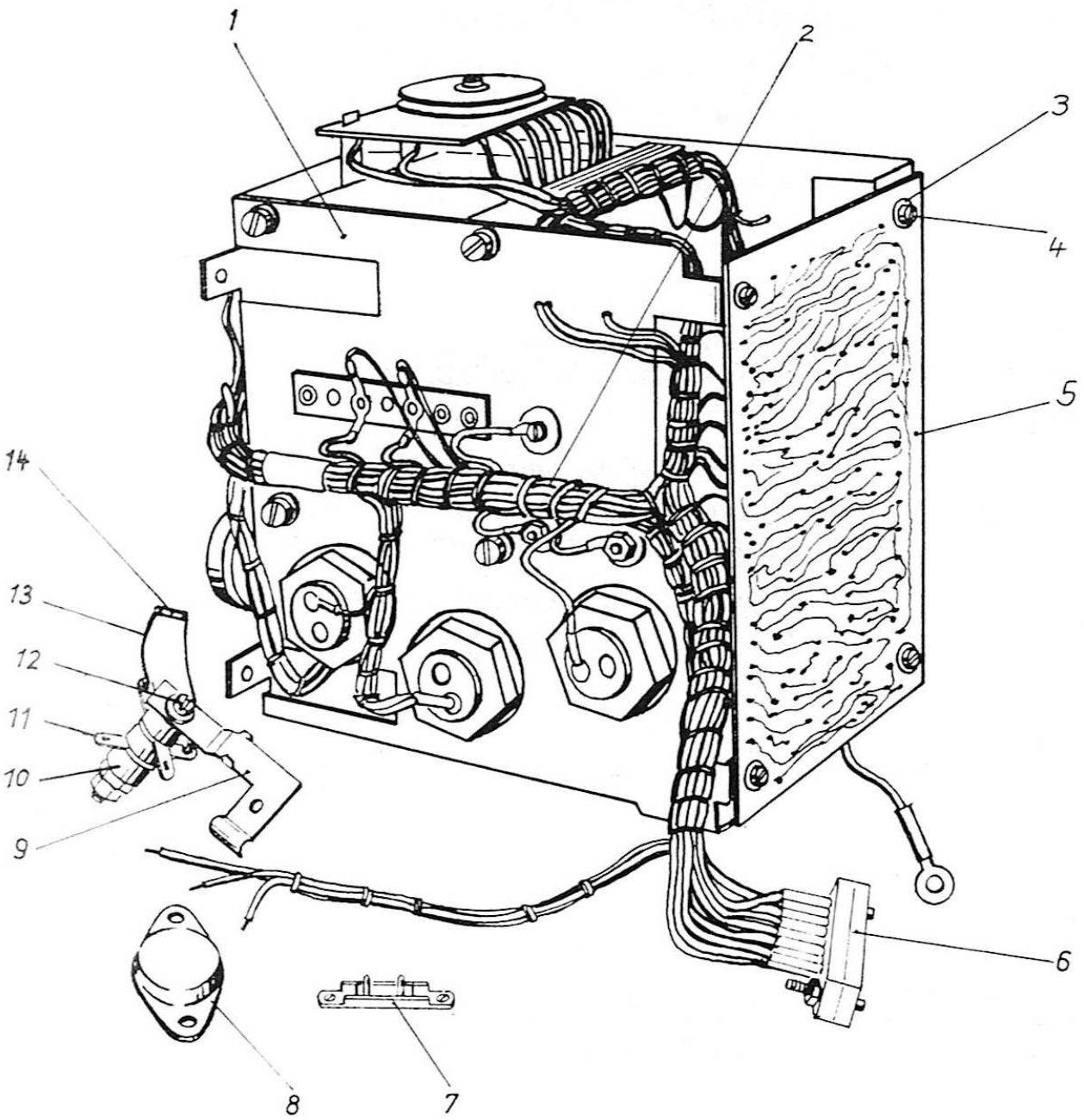



**Display**

Table 5

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| | | 30-220-5000-3 | Display assembly |
| 1 | 1 | 20-220-5002-7 | Complete display printed circuit board |
| 2 | 2 | 05-220-5008-0 | Mounting plate |
| 3 | 4 | 00-301-3688-5 | Cheese head screw |
| 4 | 10 | 00-430-9992-8 | Telephone lamp 12V 0,05A |
| 5 | 15 | 00-560-9558-3 | Display Indicator |
| 6 | 1 | 00-401-0581-8 | Film resistor 82 ohm 10% |
| 7 | 1 | 00-401-0026-8 | Film resistor 470 ohm 10% |
| 8 | 1 | 00-411-0781-0 | Film resistor 100k ohm 0,05W 10% |
| 9 | 1 | 00-455-6911-1 | Miniature plug 32-pin |
| 10 | 1 | 06-220-5003-6 | Complete wiring harness |
| 11 | 1 | 06-220-5001-1 | Display framework |
| 12 | 1 | 00-445-6934-5 | Miniature socket 11-pin |
| 13 | 4 | 05-000-0893-5 | PVC washer |
| 14 | 1 | 00-430-9525-5 | Neon lamp E 26/10 |
| 15 | 1 | 00-430-9991-1 | Telephone lamp 12V 0,05A |

Table 6



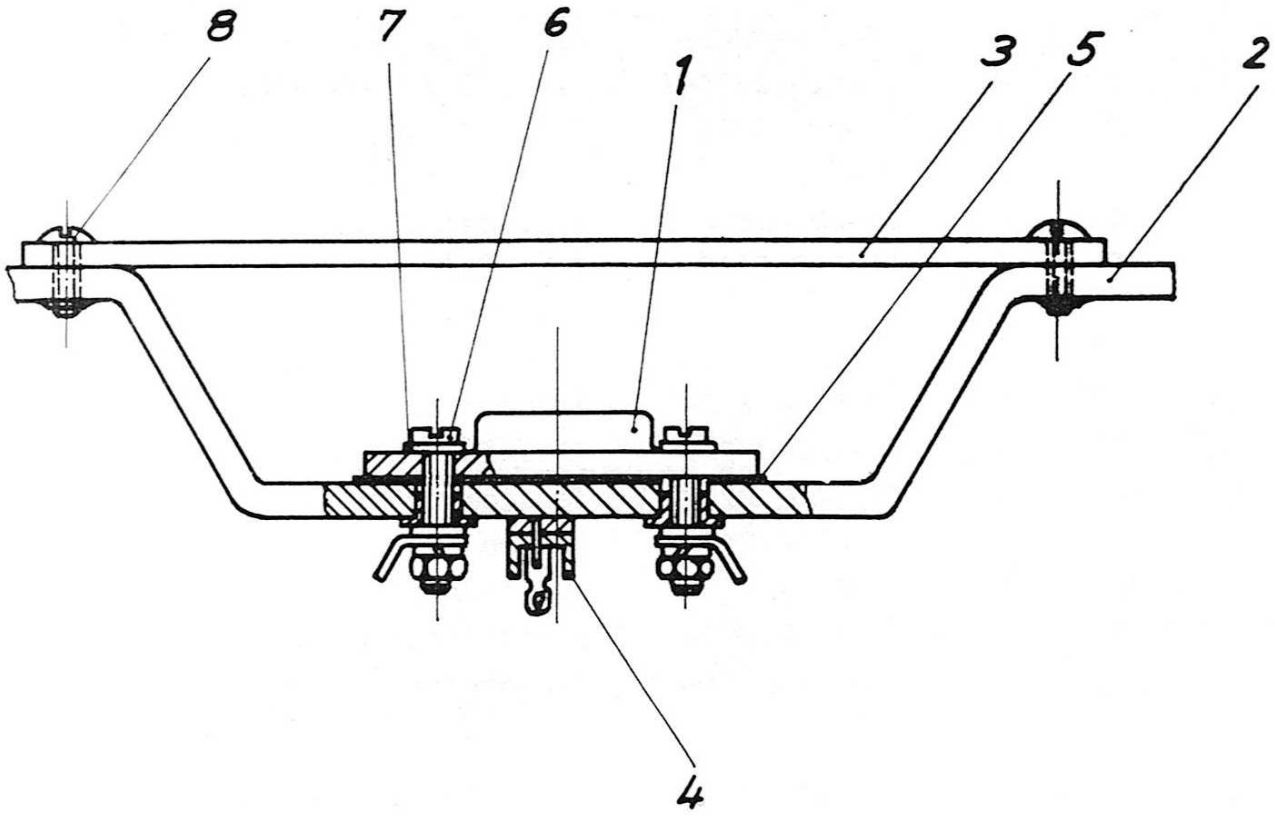

**Power Supply Assembly**

Table 6

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| | | 30-220-8000-0 | Power supply assembly |
| 1 | 1 | 22-220-8001-7 | Power supply chassis |
| 2 | 1 | 22-220-8015-2 | Complete wiring harness |
| 3 | 2 | 00-225-0235-8 | Washer 3,2 |
| 4 | 4 | 00-201-3672-3 | Cheese head screw M3x5 |
| 5 | 1 | 22-220-8015-4 | Power supply PCB |
| 6 | 1 | 00-445-6949-0 | Female connector 20-pin |
| 7* | 1 | 00-803-1704-2 | Transistor socket |
| 8* | 1 | 00-555-9743-4 | Transistor |
| 9 | 1 | 05-220-8025-4 | Thermistor mount |
| 10 | 3 | 00-468-1227-5 | Insulating bush |
| 11 | 2 | 00-468-1216-2 | Solder tag |
| 12 | 1 | 00-201-5412-2 | Cheese head screw M3x16 |
| 13 | | 00-456-4300-0 | Wire (C) Y 2x0,14mm2 |
| 14 | 1 | 00-411-0335-8 | Thermistor |

* Sits in the transistor housing, see next table !

Table 6




**Transistor housing**

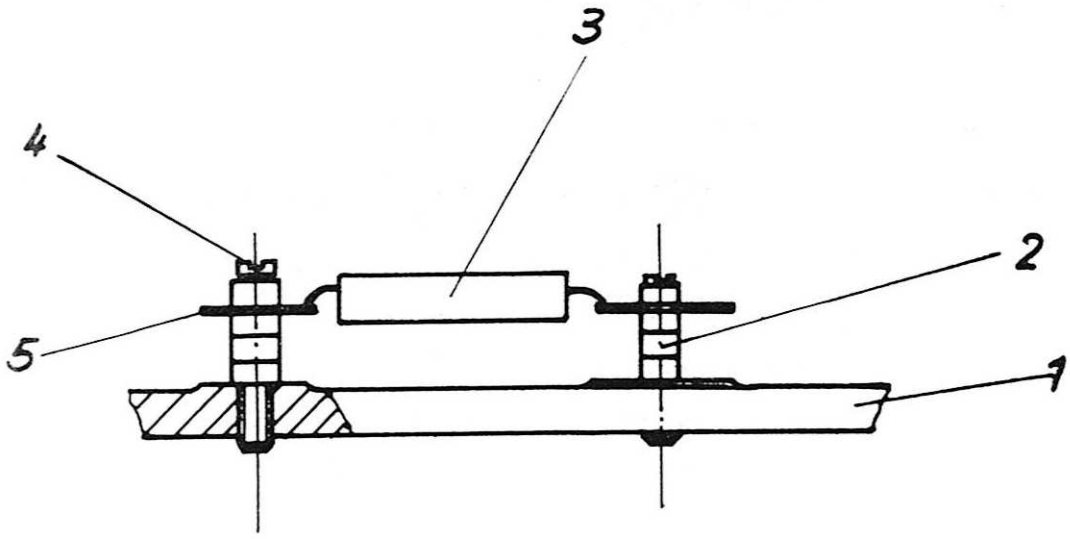


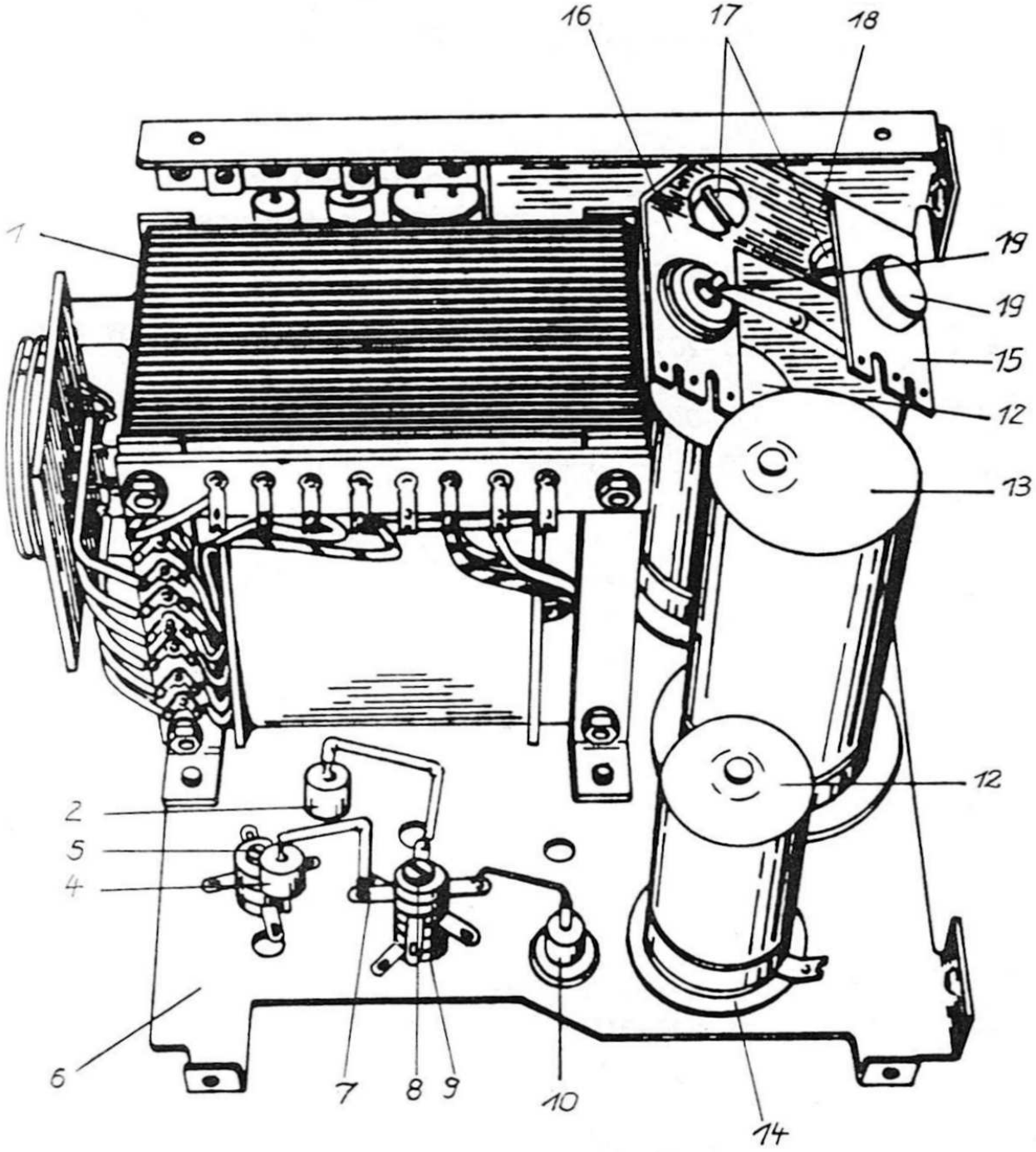

Table 7

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| 1 | 1 | 00-555-9743-4 | Transistor ASZ1015 ß29…55 |
| 2 | 1 | 06-220-2101-7 | Transistor housing |
| 3 | 1 | 05-220-3009-3 | Base plate |
| 4 | 1 | 00-803-1704-2 | Transistor socket |
| 5 | 1 | 00-555-8828-1 | Insulating washer PE |
| 6 | 2 | 00-201-5412-2 | Cheese head screw M3x16 |
| 7 | 2 | 05-000-0806-8 | Washer 3.2 |
| 8 | 2 | 00-203-1564-6 | Fillister-head screw M3x20 |

| | | |
|---|---|---|
| 1 | 05-220-3101-7 | Transistor housing |
| 2 | 00-408-1227-5 | Insulating bush B |
| 3 | 00-405-1552-0 | Wire wound resistor 22 ohm |
| 4 | 00-201-5425-1 | Cheese head screw M3x20 |
| 5 | 00-468-4432-1 | Solder tag 1A 6C |

The transistor housing is supplied only on special order, under entry of the old transistor housing.

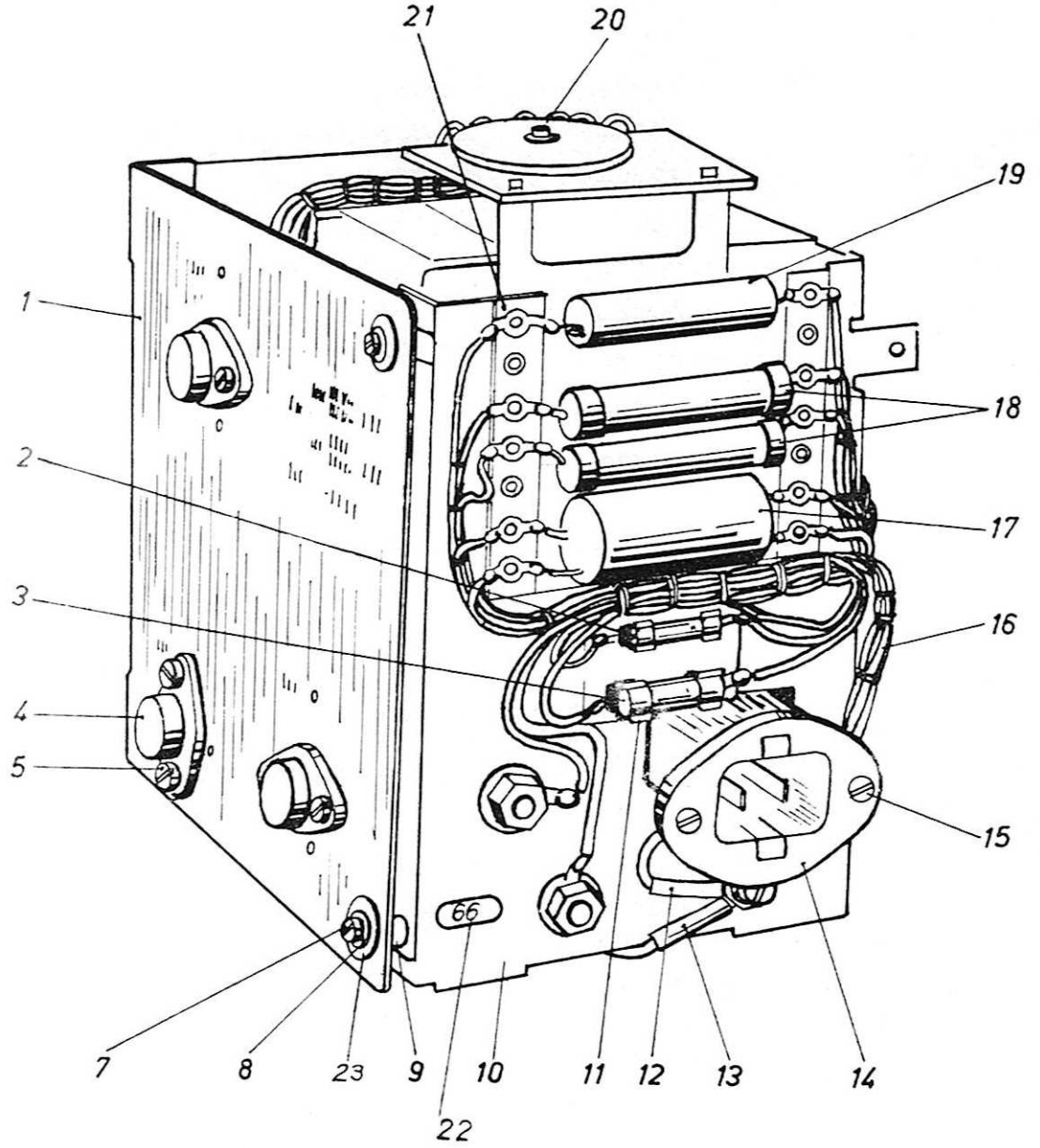
Table 8




**Power Supply Assembly**

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| | | 30-220-8000-0 | Power supply assembly |
| 1 | 1 | 20-220-8008-1 | Transformer |
| 2 | 1 | 00-560-9639-1 | Rectifier diode SY203 |
| 4 | 1 | 00-560-9639-1 | Rectifier diode SY203 |
| 5 | 1 | 00-201-5412-2 | Cheese head screw M3x16 |
| 6 | 1 | 22-220-8001-7 | Power supply rack |
| 7 | 5 | 00-468-1216-2 | Solder tag |
| 8 | 1 | 00-201-5425-1 | Cheese head screw M3x20 |
| 9 | 7 | 00-468-1227-5 | Insulating bush |
| 10 | 1 | 00-560-6891-7 | Power diode SZ512 |
| 12 | 2 | 00-421-0061-0 | Electrolytic capacitor 100/150 555 |
| 13 | 1 | 00-421-0024-1 | Electrolytic capacitor 05000/25 |
| 14 | 2 | 00-422-9411-1 | Insulating washer A 32 |
| 15 | 1 | 12-382-2715-7 | Rectifier bracket assembly |
| 16 | 1 | 12-382-2717-3 | Rectifier bracket assembly |
| 17 | 2 | 00-201-4057-6 | Cheese head screw M6X14 |
| 18 | 2 | 05-382-2715-3 | Plate |
| 19 | 2 | 00-560-1002-5 | Germanium rectifier diode GY122 |

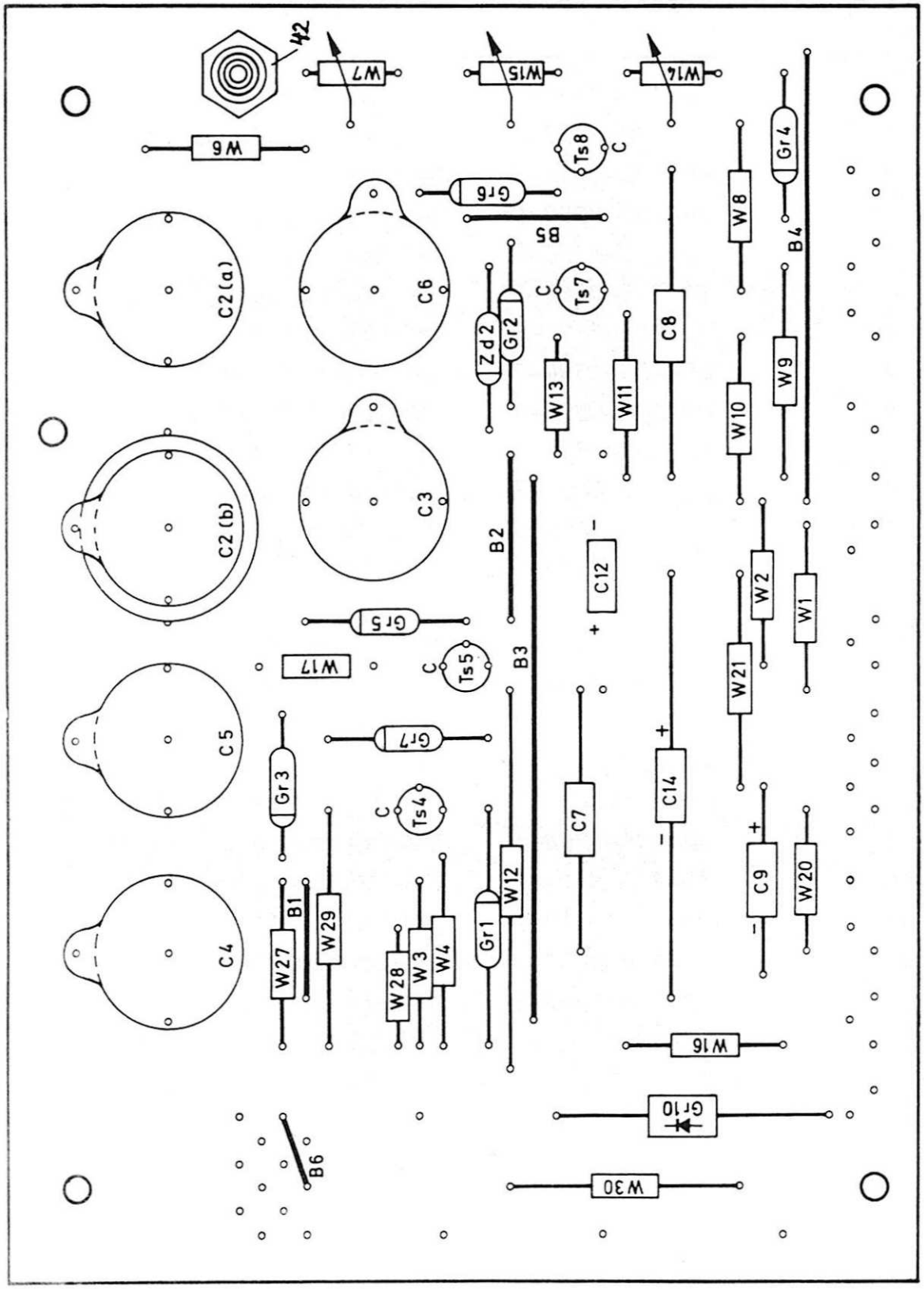
Table 9




**Power Supply Assembly**

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| | | 30-220-8000-0 | Power supply assembly |
| 1 | 1 | 22-220-8007-4 | Heat sink assembly |
| 2 | 1 | 00-435-0348-3 | Fuse insert Si 1 } choice of |
| | or | 00-435-0350-6 | Fuse insert Si 1 } |
| 3 | 1 | 00-435-0128-0 | Fuse insert 2 |
| 4 | 3 | 00-555-0465-7 | Transistor GD170B |
| 5 | 6 | 00-201-3875-8 | Cheese head screw M4x10 |
| 7 | 2 | 00-203-1584-7 | Fillister-head screw M3x10 |
| 8 | 2 | 05-000-0855-8 | Washer 3,2x8x 1 |
| 9 | 2 | 00-458-1227-5 | Insulating bush |
| 10 | 1 | 22-220-8001-7 | Power supply rack |
| 11 | 4 | 05-220-8009-0 | Fuse holder |
| 12 | 1 | 22-220-8019-5 | Earth cable assembly |
| 13 | 1 | 22-220-8018-7 | Earth cable assembly |
| 14 | 1 | 00-445-2096-5 | Connector plug |
| 15 | 2 | 00-204-1592-2 | Countersunk screw M3x8 |
| 16 | 1 | 22-220-8016-2 | Wiring harness |
| 17 | 1 | 00-422-0182-4 | Interference suppression capacitor |
| 18 | 2 | 00-401-2419-5 | Film resistor 10k ohm |
| 19 | 1 | 00-405-8798-6 | Wire wound resistor 56 ohm |
| 20 | 1 | 14-220-8024-2 | Voltage selector switch assembly |
| 21 | 2 | 06-220-8011-3 | Tag board |
| 22 | 1 | 00-814-0150-3 | Sliding sign |
| 23 | 2 | 00-225-0235-8 | Washer 3.2 |

Table 10



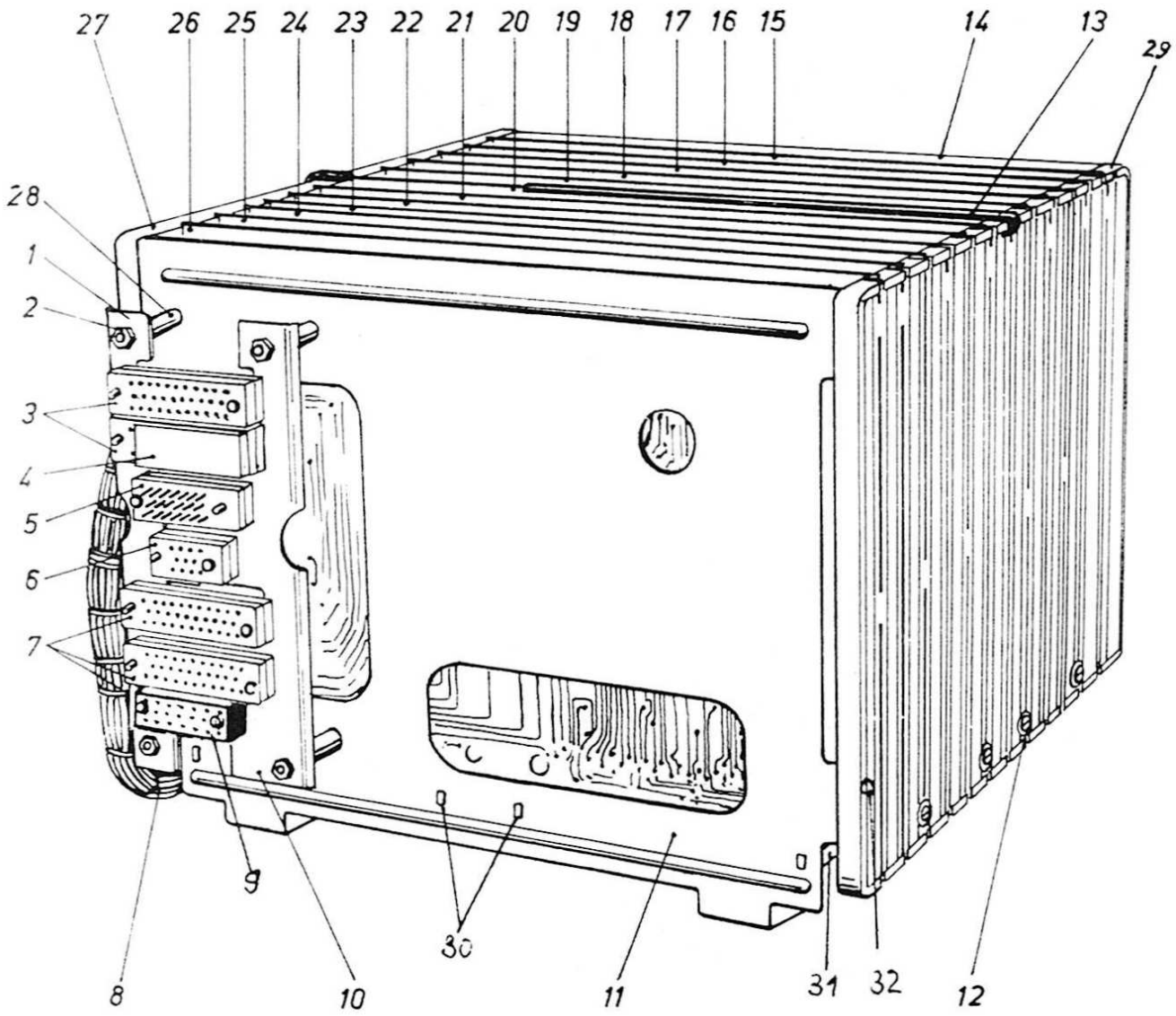

**Power Supply PCB**

Table 10

| Item #. | Qty | Part # | Description | Ident |
|---|---|---|---|---|
| 1 | 1 | 22-220-8015-4 | Power supply PCB | |
| 2 | 2 | 00-555-9524-8 | Transistor SA25 | |
| | | ß=29…55 Ti ≤ 10uS | | Ts4,7 |
| 3 | 2 | 00-555-9527-2 | Transistor SA25 | |
| | | ß=72…166 Ti ≤ 10uS | | Ts5,8 |
| 5 | 2 | 00-560-3979-3 | Germanium diode GAZ17 | Gr5,6 |
| 6 | 1 | 00-560-3307-2 | Germanium rectifier | |
| | | | diode GY100 | Gr7 |
| 7 | 2 | 00-560-6986-2 | Switching diode GAY60 | Gr1,2 |
| 8 | 1 | 00-421-6933-1 | Silicon breakdown diode | |
| | | | SZX18/6,8 | Zd2 |
| 12 | 1 | 00-421-1161-3 | Electrolytic capacitor 1000/25 | C2 |
| 13 | 3 | 00-421-1171-8 | Electrolytic capacitor 500/25 | C2 (a) |
| | | | | C2 (b) |
| | | | | C3 |
| 14 | 3 | 00-421-1166-2 | Electrolytic capacitor 1000/15 | C4-6 |
| 15 | 1 | 00-421-0231-5 | Electrolytic capacitor 5/3 | C2 |
| 16 | 1 | 00-421-0320-3 | Electrolytic capacitor 2/50 | C12 |
| 17 | 1 | 00-421-0305-1 | Electrolytic capacitor 20/15 | C14 |
| 18 | 1 | 00-421-3535-6 | Paper capacitor | |
| | | | 0,1/63 445 | C7 |
| 19 | 1 | 00-421-3536-4 | Paper capacitor | |
| | | | 0,22/63-445 | C8 |
| 20 | 1 | 00-401-1182-4 | Film resistor 33 ohm | |
| | | | 10% 25.518 | W30 |
| 21 | 2 | 00-401-0594-7 | Film resistor 1K ohm | |
| | | | 10% 25.412 | W1,9 |
| 22 | 1 | 00-400-9990-6 | Film resistor 560 ohm | |
| | | | 10% 25.311 | W6 |
| 23 | 1 | 00-401-0111-5 | Film resistor 1K ohm | |
| | | | 10% 25.311 | W21 |
| 24 | 1 | 00-400-9993-0 | Film resistor 1K ohm | |
| | | | 10% 25.311 | W27 |

| Item #. | Qty | Part # | Description | Ident |
|---|---|---|---|---|
| 25 | 2 | 00-406-9994-7 | Film resistor 1,2k ohm 10% 25.311 | W8, 12 |
| 26 | 1 | 00-401-0330-1 | Film resistor 2,7k ohm 2% 25.311 | W11 |
| 27 | 2 | 00-400-9998-8 | Film resistor 2,7k ohm 10% 25.311 | W4, 2 |
| 28 | 1 | 00-401-0123-5 | Film resistor 3,3k ohm 5% 25.311 | W16 |
| 30 | 1 | 00-411-0682-6 | Film resistor 0,05W 100 ohm 10% | W28 |
| 31 | 1 | 00-411-1046-1 | Film resistor 0,05W 200 ohm 5% | W20 |
| 32 | 1 | 00-411-0689-1 | Film resistor 0,05W 220 ohm 10% | W13 |
| 33 | 1 | 00-411-0696-3 | Film resistor 0,05W 390 ohm 10% | W3 |
| 34 | 2 | 00-411-1065-4 | Film resistor 0,05W 1,5k ohm 5% | W17, 29 |
| 35 | 1 | 00-411-0732-0 | Film resistor 0,05W 5,6k ohm 10% | W10 |
| 36 | 1 | 00-403-5898-2 | Film resistor P1k ohm 1-1-554 | W7 |
| 37 | 1 | O0-403-5901-3 | Film resistor P10k ohm 1-1-544 | W14 |
| 38 | 1 | 00-403-5900-1 | Film resistor P5k ohm 1-1-544 | W15 |
| 39 | 2 | 00-560-6988-7 | Switch GAY61 | Gr3, 1 |
| 40 | 1 | 00-560-9635-0 | Si rectifier diode SY200 | Gr10 |
| 41 | 6,3g | 00-100-0024-5 | Hollow wire 1.5 kol LSn60 | |
| 42 | 1 | 00-803-0871-6 | Telephone lamp | |

Table 11




**Computing part**

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Table 11

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| | | 30-220-7000-7 | Arithmetic unit assembly |
| 1 | 1 | 05-220-7022-8 | Mounting plate, left |
| 2 | 8 | 00-212-0899-7 | Hexagon nut M3 |
| 3 | 2 | 00-445-6956-7 | Miniature socket 31-pin |
| 4 | 1 | 66-220-7644-1 | Short-circuit plug |
| 5 | 1 | 00-445-6896-3 | Miniature plug 20-pin |
| 6 | 1 | 00-445-6933-7 | Miniature socket 11-pin |
| 7 | 2 | 00-445-6966-7 | Miniature socket 31-pin |
| 8 | 1 | 18-220-7030-6 | Wiring harness assembly |
| 9 | 1 | 00-445-6949-0 | Miniature socket 20-pin |
| 10 | 1 | 05-220-7026-0 | Mounting plate, right |
| 11 | 1 | 06-220-7018-5 | Side panel, right |
| 12 | 4 | 05-220-7020-3 | Spindle |
| 13 | 2 | 05-220-7042-0 | Retaining bracket |
| 14 | 1 | 05-220-7017-2 | Side panel, left |
| 15 | 1 | 20-220-7012-7 | Plug-in unit assembly #12 |
| 16 | 1 | 20-220-7011-0 | Plug-in unit assembly #11 |
| 17 | 1 | 20-220-7010-2 | Plug-in unit assembly #10 |
| 18 | 1 | 20-220-7009-6 | Plug-in unit assembly #9 |
| 19 | 1 | 20-220-7008-8 | Plug-in unit assembly #8 |
| 20 | 1 | 20-220-7007-1 | Plug-in unit assembly #7 |
| 21 | 1 | 20-220-7006-2 | Plug-in unit assembly #6 |
| 22 | 1 | 20-220-7005-5 | Plug-in unit assembly #5 |
| 23 | 1 | 20-220-7004-7 | Plug-in unit assembly #4 |
| 24 | 1 | 20-220-7003-0 | Plug-in unit assembly #3 |
| 25 | 1 | 20-220-7002-2 | Plug-in unit assembly #2 |
| 26 | 1 | 20-220-7001-4 | Plug-in unit assembly #1 |
| 27 | 1 | 05-220-7015-6 | PCB guide, front |
| 28 | 4 | 05-220-7023-6 | Threaded spacer |
| 29 | 1 | 05-220-7016-4 | PCB guide, rear |
| 30 | 4 | 65-220-7019-7 | Mounting plate for plug contact border |
| 31 | 48 | 00-445-9560-3 | 31-pin multipole connector |
| 32 | 8 | 00-203-0029-5 | Fillister-head screw M3x6 |
| | | 12-00-803-0307-8 | Basket without plates |

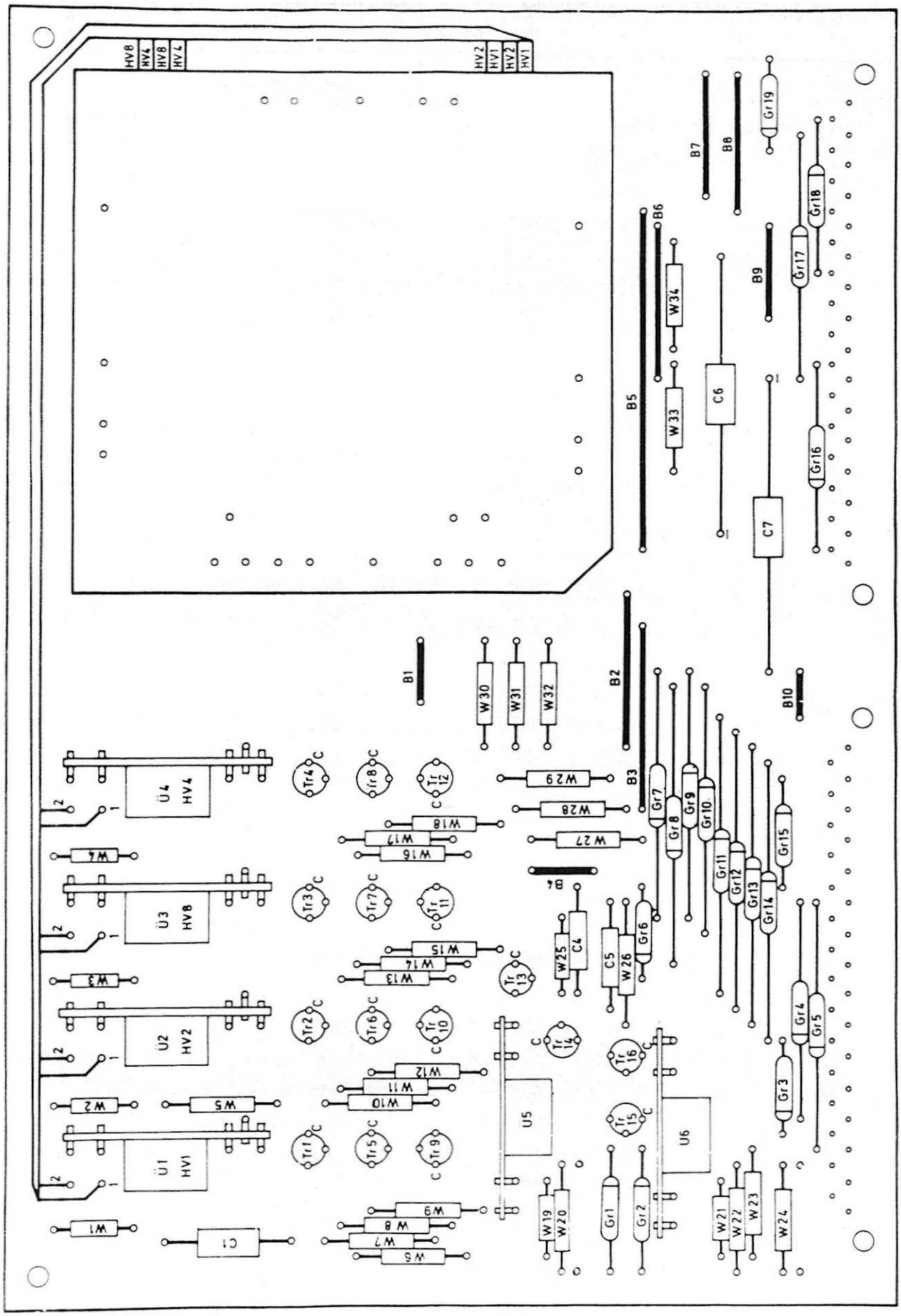

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Ü1 HV1
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W21
W22
W23
W24

Table 12

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #1 | 05-220-7001-0 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 3 | 4 | Hollow rivet 3x0,25x8 | 00-224-0151-3 | |
| 4 | 4 | Washer 3,2 | 05-000-0894-3 | |
| 6 | 16 | Transistor socket | 00-803-1701-8 | |
| 7 | 1 | Matrix storage | | |
| | | 4x8x12 570000 | 00-803-0403-8 | |
| 9 | 2 | Transformer assembly | 14-220-7041-7 | U5;U6 |
| 10 | 4 | Transformer assembly | 14-220-7042-5 | U1-4 |
| 11 | 1 | Wiring harness plug-in unit | 14-220-7050-5 | |
| 14 | 4 | Transistor SB20 ß=29…55 | 00-555-9532-8 | Tr 9-12 |
| 15 | 8 | Transistor SB20 ß=45…88 | 00-555-9533-6 | Tr 1-8 |
| 16 | 2 | Transistor SB20 ß=72…166 | 00-555-9534-4 | Tr 14-15 |
| | | Transistor GS109E | 00-555-1109-4 | |
| 17 | 2 | Transistor SC20 ß=72…166 | 00-555-9547-3 | Tr 13; Tr 16 |
| 20 | 2 | Polystyrene capacitor 220/10/63 | 00-420-4401-5 | C 4-5 |
| 22 | 1 | Paper capacitor | | |
| | | 0,047/63 445 | 00-421-3534-8 | C1 |
| 23 | 1 | Electrolytic capacitor | | |
| | | 20/15 | 00-421-0305-1 | C6 |
| 24 | 1 | Electrolytic capacitor | | |
| | | 100/25 | 00-421-0313-1 | C7 |
| 27 | 11 | Germanium diode GAZ17 | 00-560-3979-3 | Gr 9-19 |
| 28 | 2 | Diode AC40 | 00-560-9525-3 | Gr 1- 2 |
| 31 | 4 | Film resistor | | |
| | | 10 ohm 10% 0,05W | 00-411-0659-0 | W1-W4 |
| 32 | 1 | Film resistor | | |
| | | 15 ohm 10% 25.311 | 00-400-9971-3 | W33 |
| 33 | 1 | Film resistor | | |
| | | 100 ohm 5% 25.311 | 00-401-0087-0 | W5 |
| | | GS121b | 00-555-3307-5 | |
| | | GS121c | 00-555-3308 | |
| | | GS121c | 00-555-3308-3 | |

Table 12

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 34 | 2 | Film resistor | | |
| | | 43 ohm 1% 11.511 | 00-401-8670-4 | W28; W30 |
| 36 | 2 | Film resistor | | |
| | | 820 ohm 10% 25.311 | 00-400-9992-2 | W20; W24 |
| 37 | 1 | Film resistor | | |
| | | 1K ohm 10% 25.311 | 00-400-9993-0 | W34 |
| 38 | 1 | Film resistor | | |
| | | 6,8K ohm 5% 25.311 | 00-401-0131-6 | W6 |
| 39 | 2 | Film resistor | | |
| | | 0,05W 10K ohm 10% | 00-411-0739-4 | W22-23 |
| 40 | 4 | Film resistor | | |
| | | 10K ohm 10% 25.311 | 00-401-0006-7 | W7; W10; W13 |
| 41 | 2 | Film resistor | | |
| | | 0,05W 12K ohm 10% | 00-411-0742-5 | W25-26 |
| 42 | 4 | Film resistor | | |
| | | 12K ohm 10% 25.311 | 00-401-0007-5 | W9; W11; W15; W11 |
| 43 | 2 | Film resistor | | |
| | | 0,05W 68k ohm 10% 25.311 | 00-471-0775-5 | W9; W21 |
| 44 | 4 | Film resistor | | |
| | | 68K ohm 10% 25.311 | 00-401-0016-3 | W8; W11; W14; W1 |
| 47 | 1 | Wire link | | B10 |
| 48 | 2 | Wire link | | B1; B4 |
| 49 | 1 | Wire link | | B9 |
| 50 | 1 | Wire link | | B7 |
| 51 | 1 | Wire link | | B8 |
| 52 | 2 | Wire link | | B2; B6 |
| 53 | 1 | Wire link | | B3 |
| 54 | 1 | Wire link | | B5 |
| 55 | 2 | Silicon planar | | |
| | | Diode SA40 | 00-560-9667-2 | Gr 3;6 |
| 56 | 3 | Silicon planar | | |
| | | Diode SA403 | 00-560-9677-7 | Gr 4;5;7 |
| 57 | 1 | Silicon planar | | |
| | | Diode SA403 | 00-560-9679-3 | Gr 8 |

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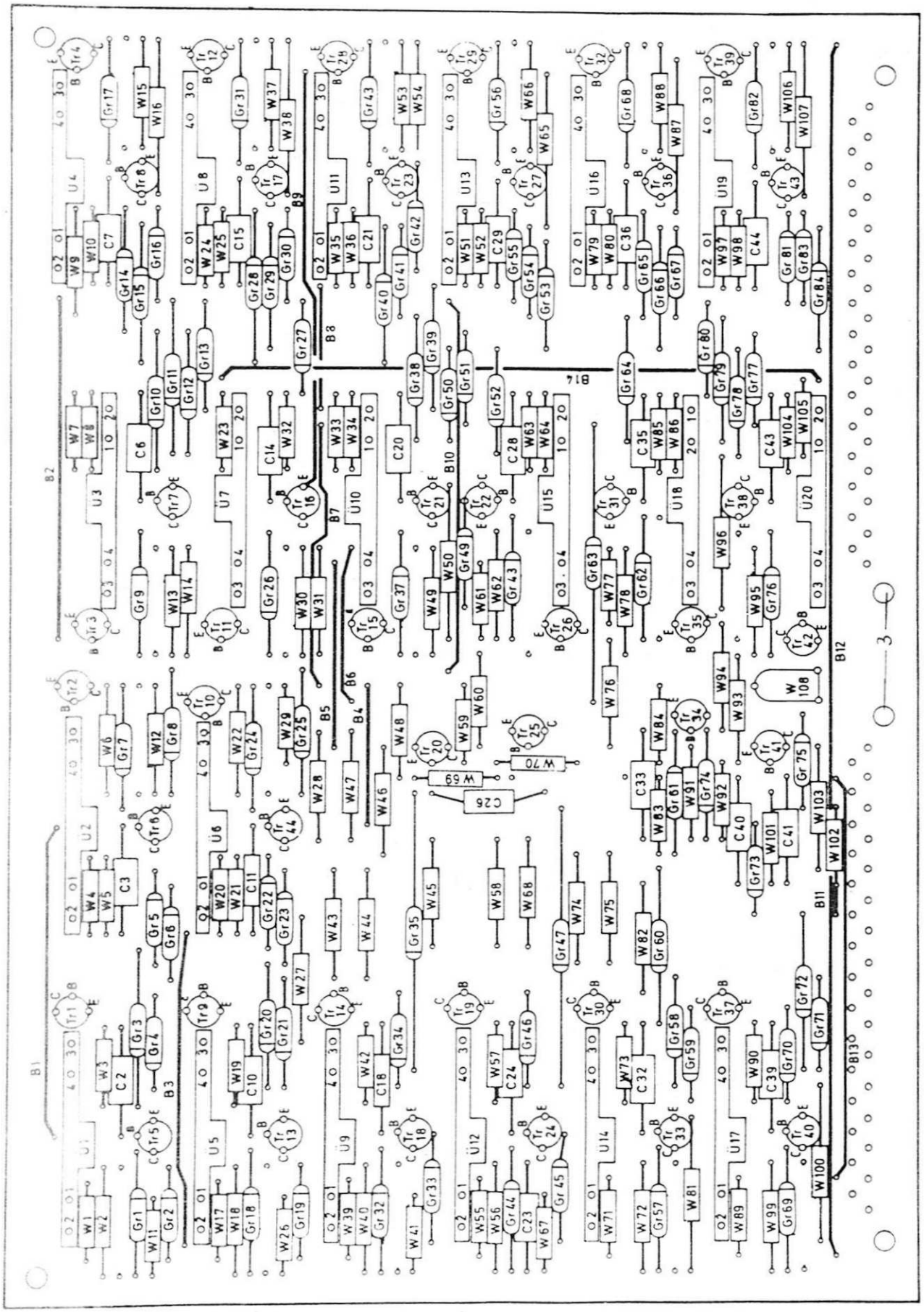


Table 13

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #2 | 05-220-7002-5 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 3 | 4 | Hollow rivet 3x0,25x8 | 00-224-0151-3 | |
| 5 | 2 | Transformer assembly | 14-220-7041-7 | U1,5 |
| or | 2 | Transformer assembly | 14-220-7049-0 | U1,5 |
| 6 | 18 | Transformer assembly | 14-220-7043-3 | U2-4,6-20 |
| or | 18 | Transformer assembly | 14-220-7048-2 | U2-4,6-20 |
| 7 | 2 | Transistor SB20 ß=45…88 | 00-555-9533-5 | Tr34,41 |
| 8 | 1 | Transistor SB20 ß=29…55 | 00-555-9532-8 | Tr25 |
| 9 | 21 | Transistor SB 20 ß=72…166 | 00-555-9534-4 | Tr5-8,13,16-18,20-24 |
| or | 21 | Transistor SB20 GS109e | 00-555-1109-4 | 27,31,33,35, 38,40,43,44 |
| 10 | 2 | Transistor SC20 ß=72…166 | 00-555-9547-3 | Tr1,9 |
| 11 | 18 | Transistor SC20 ß=45…88 | 00-555-9544-0 | Tr2-4,10-12, 14,15,19,26 28-30,32, 35, 37,39,42 |
| 13 | 1 | Germanium diode GAZ17 (Special selection) | 00-560-3981-6 | Gr74 |
| 14 | 20 | Diode AC40 | 00-560-9525-3 | |
| | | (GAY63 | 00-560-9600-4) | Gr1,7,9,17, |
| | | (OA741 | 00-560-2759-7) | 18,24,26,31 48,56,57,62 68,69,76,82 |
| 15 | 1 | Polystyrene capacitor 120/5/63 | 00-420-4345-7 | C33 |
| 16 | 1 | Polystyrene capacitor 680/5/63 | 00-420-4363-3 | C41 |
| 17 | 1 | Polystyrene capacitor 220/5/63 | 00-420-4351-2 | C40 |
| 18 | 1 | Polystyrene capacitor 470/10/63 | 00-420-4409-7 | C26 |
| 19 | 1 | Polystyrene capacitor | 00-420-4401-5 | C2,3,6,7,10, 11,14,15,18, 20,21,24,25, 28,29,32,35, 36,39,43,44 |

Table 13

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 21 | 2 | Film resistor<br>39 ohm 1%, 11.511 | 00-401-8668-1 | W47,75 |
| 22 | 2 | Film resistor<br>43 ohm 1%,11.511 | 00-401-8670-4 | W44,58 |
| 23 | 1 | Film resistor<br>470 ohm 10% 0,05W | 00-411-0706-4 | W91 |
| 24 | 20 | Film resistor<br>820 ohm 10% 25.311 | 00-400-9992-2 | W2,6,13,15,<br>18,22,30,37,<br>40,49,53,56,<br>62,66,72,78,<br>88,95,99,106 |
| 25 | 20 | Film resistor<br>1K ohm 10% 0,05W | 00-411-0716-0 | W101,103 |
| 26 | 3 | Film resistor<br>1K ohm 10% 25.311 | 00-400-9993-0 | W76,93,94 |
| 27 | 1 | Film resistor<br>1,5k ohm 10% 25.311 | 00-400-9995-5 | W60 |
| 28 | 2 | Film resistor<br>4,7k ohm 10% 0,05W | 00-411-0730-4 | W102,103 |
| 29 | 1 | Film resistor<br>8,2k ohm 0,05W | 00-411-0736-1 | W69 |
| 30 | 21 | Film resistor<br>10k ohm 10% 0,05W | 00-411-0739-4 | W11,12,14,<br>16,26,29,31,<br>38,41,50,54,<br>6165,67,77,<br>81,8792,96,<br>100,107 |
| 31 | 21 | Film resistor<br>12k ohm 10% 0,05W | 00-411-0742-5 | WJ3,5,3,10,<br>19,21,25,32,<br>34,33,42,52,<br>57,53,70,73,<br>8085,90,93,<br>104 |
| 32 | 1 | Film resistor<br>47k ohm 0,05W | 00-411-0762-6 | W48 |
| 33 | 1 | Variable-film resistor<br>S 50k ohm 1-05-554 | 00-403-5867-7 | W108 |
| 34 | 1 | Film resistor<br>56K ohm 10% 0,05W | 00-411-0768-3 | W84 |
| 35 | 21 | Film resistor<br>68k ohm 10% 0,05W | 00-411-0775-5 | |

Table 13

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 35 | 1 | Wire link | | B8 |
| 37 | 1 | Wire link | | B4 |
| 38 | 1 | Wire link | | B6 |
| 39 | 1 | Wire link | | B5 |
| 40 | 1 | Wire link | | B7 |
| 41 | 2 | Wire link | | B1,3 |
| 42 | 1 | Wire link | | B2 |
| 43 | 2 | Wire link | | B9,10 |
| 44 | 1 | Wire link | | B13 |
| 45 | | Wire link | | B12,14 |
| 46 | 1 | Wire link | | B11 |
| 47 | 4 | Washer 3,2 | | |
| 49 | 20 | Transistor pad | 00-811-0430-2 | |
| 50 | 23 | Silicon-Planar-Diode SA403 | 00-560-9667-2 | Gr2,4-6,16,19 22,23,27,30,34,41,42,46,50, 51,54,55,59,67 70,71,73,75,77 80,81,83 |
| 51 | 10 | Silicon-Planar-Diode SA403 | 00-560-9668-0 | Gr13,21,33,45, 49,52,53,58,65 78 |
| 52 | 13 | Silicon-Planar-Diode SA403 | 00-560-9669-7 | Gr8,12,14,20, 25,29,38,39,61 64,66,79,84 |
| 53 | 3 | Silicon-Planar-Diode SA403 | 00-560-9670-3 | Gr10,15,40 |
| 54 | 5 | Silicon—Planar-Diode SA403 | 00-560-9671-1 | Gr3,11,28, 60,72 |
| 55 | 3 | Silicon—Planar-Diode SA403 | 00-560-9679-3 | Gr35,47,63 |

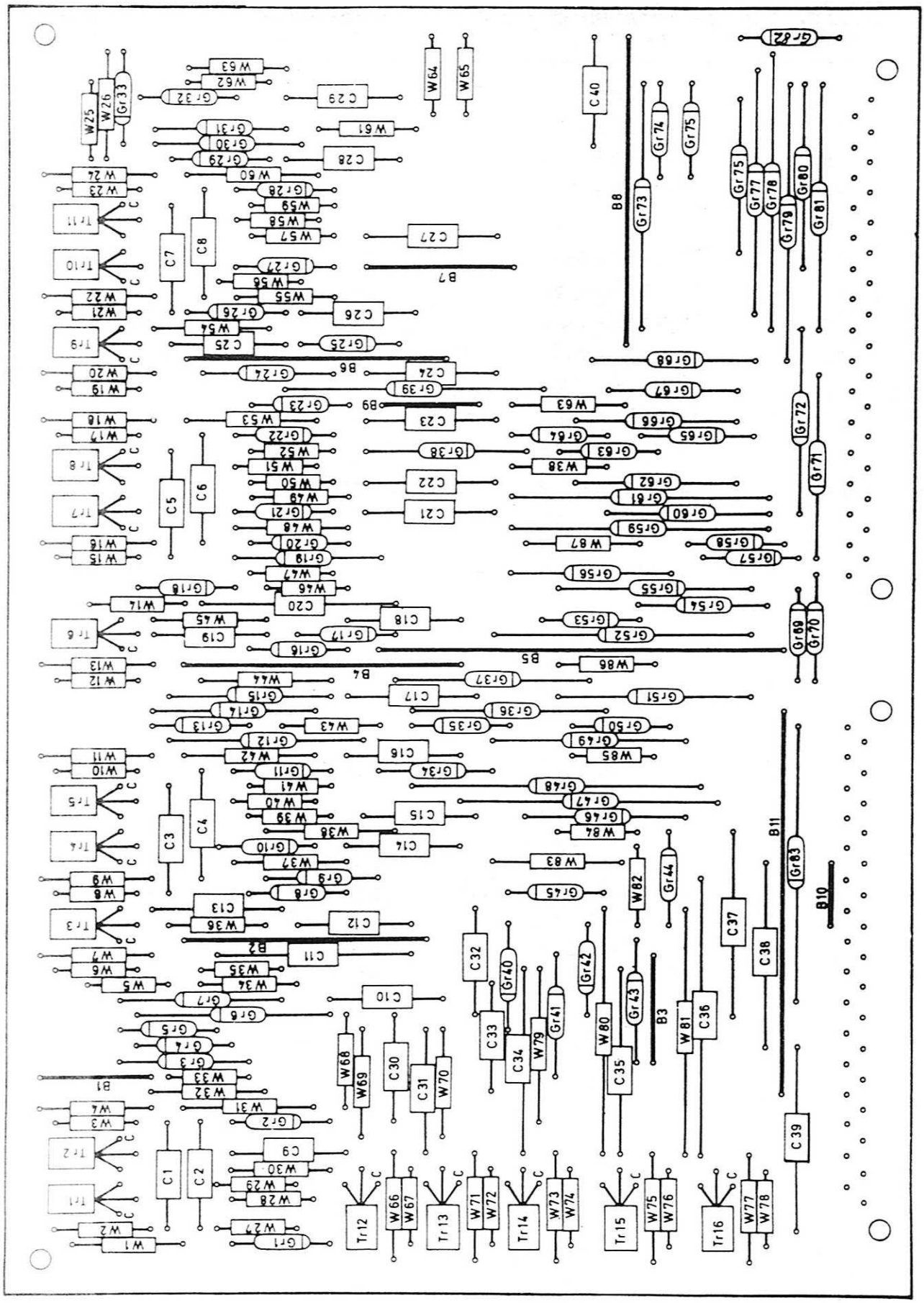


Table 14

| Item #. | Qty | Description | Part | #Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #3 | 05-220-7003-5 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 3 | 4 | Hollow rivet 3x0,25x8 | 00-224-0151-3 | |
| 4 | 4 | Washer 3,2 | 05-000-0894-3 | |
| 6 | 8 | Transistor GS122 ß=28…56 | 00-555-9975-8 | Tr1,2,4,5,7, 8,10, 11 |
| | or | Transistor GS122 ß=45…90 | 00-555-9976-6 | same ß for each FF |
| 7 | 8 | Transistor SA25 ß=72…166 | 00-555-9527-2 | Tr3,6,9,12-16 |
| | 4 | Transistor GS121e | 00-555-3310-6 | T r3,6,9,12 |
| 10 | 8 | Germanium diode GAZ17 | 00-560-3981-6 | Gr1,2,10,11, 21,22,27,28 |
| 11 | 15 | Germanium diode GAZ17 | 00-560-3979-3 | Gr17,25,5 , 58, 69, 70-72, 76-82 |
| 12 | 16 | Polystyrene capacitor 1000/10/63 | 00-420-4417-7 | C1-9,13,19, 25,31,34-36 |
| 13 | 24 | Polystyrene capacitor 560/5/63 | 00-420-4361-7 | C10-12,14-19, 20-24,26-30, 32,33,37-40 |
| 14 | 32 | Film resistor 0,05W 10k ohm 10% | 00-411-0739-4 | W5,14,25,26, 32-35,37,38, 43,44,45-49, 55, 56, 61-63, 65,68,69, 82-89 |
| 15 | 1 | Film resistor 0,05W 4,7k ohm 10% | 00-411-0730-4 | W64 |
| 16 | 16 | Film resistor 1,5k ohm 10% 25.311 | 00-400-9995-5 | W1,44,7,9,11, 13,16,18,20, 22,24,5,5,71, 73,75,77 |

Table 14

| Item #. | Qty | Description | Part | #Ident |
|---|---|---|---|---|
| 17 | 16 | Film resistor 12k ohm 10% 0,05W | 00-411-0742-5 | W27,30,31, 36,39,42,45, 50,53,54,57,6 60,70,79,80,81 |
| 18 | 8 | Film resistor 470 ohm 10% 0,05W | 00-411-0706-4 | W28,29,40., 41,51,52,58,59 |
| 19 | 8 | Film resistor 56k ohm 10% 0,05W | 00-411-0768-3 | G12,3,8,10, 15,17,21,23 |
| 20 | 8 | Film resistor 68k ohm 10% 0,05W | 00-411-0775-5 | W16,12,19,67, 72,74,76,78 |
| 22 | 1 | Wire link | | B9 |
| 23 | 2 | Wire link | | B1,3 |
| 24 | 1 | Wire link | | B7 |
| 25 | 1 | Wire link | | B6 |
| 26 | 1 | Wire link | | B4 |
| 27 | 1 | Wire link | | B2 |
| 28 | 1 | Wire link | | B8 |
| 29 | 2 | Wire link | | B5,11 |
| 30 | 1 | Wire link | | B10 |
| 31 | 22 | Si1izium-Planar-Diode SA403 | 00-560-9667-2 | Gr4,5,8,13, 16,18,20,23, 26,29,32,33, 35,42,44,45, 50,53,63,64, 74,75 |
| 32 | 4 | Silicon-Planar-Diode SA403 | 00-560-9668-0 | Gr9,34,40,65 |
| 33 | 7 | Silicon -Planar-Diode SA403 | 00-560-9669-7 | Gr3,24,31,41, 43,54,67 |
| 34 | 2 | Silicon-Planar-Diode SA403 | 00-560-9670-3 | Gr,19,30, |
| 35 | 10 | Silicon -Planar-Diode SA403 | 00-560-9671-1 | Gr7,14,15,38, 46,56,60,62, |
| 36 | 7 | Silicon -Planar-Diode SA403 | 00-560-9663-6 | Gr6,12,26,37, 49,51,55 |
| 37 | 6 | Silicon -Planar-Diode SA403 | 00-560-9677-7 | Gr39,47,53 59,61,73 |
| 38 | 2 | Silicon -Planar-Diode SA403 | 00-560-9679-3 | Gr48,83 |

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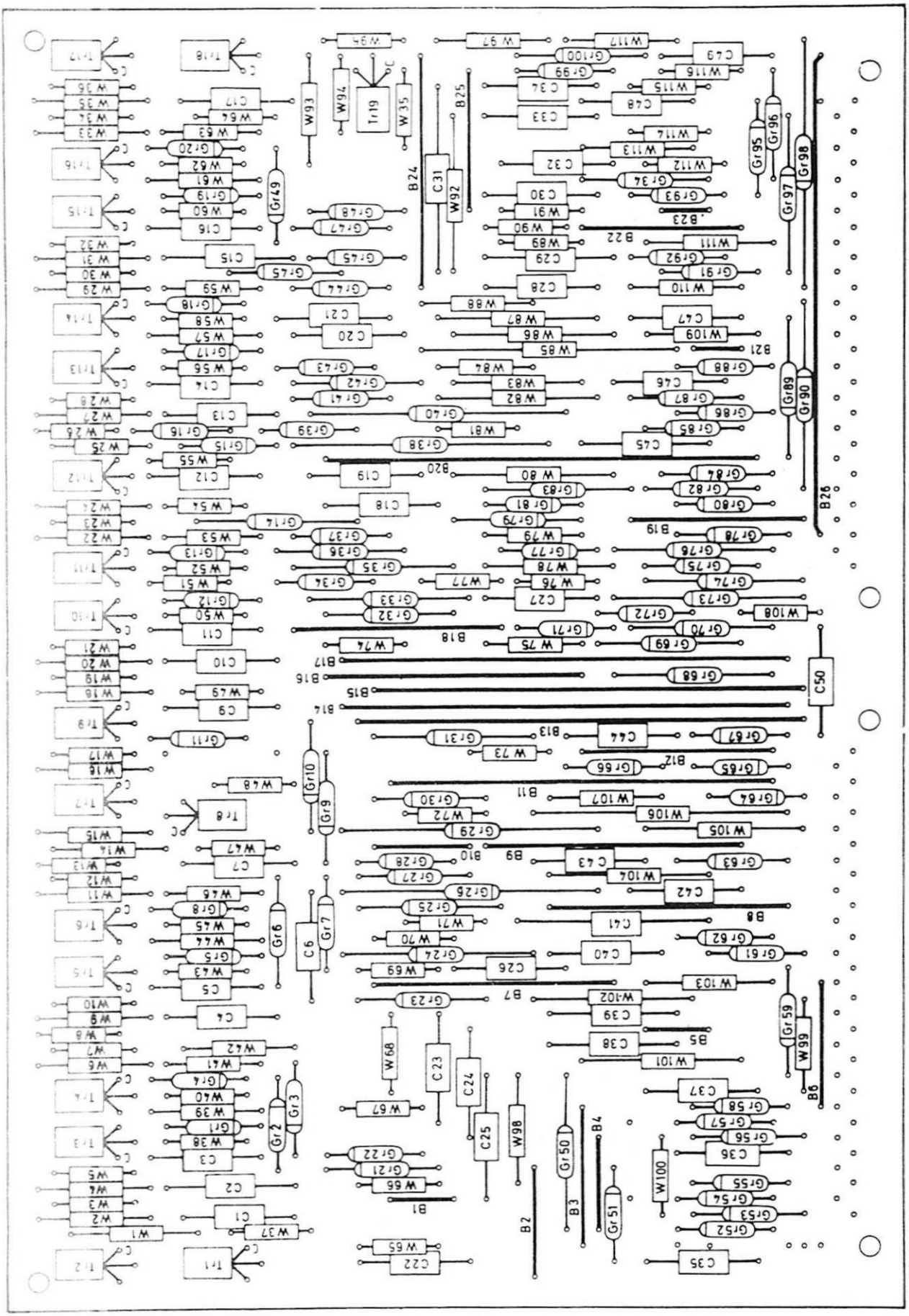


Table 15

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #4 | 05-220-7004-3 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 3 | 4 | Hollow rivet 3x0,25x8 | 00-224-0151-3 | |
| 4 | 4 | Washer 3,2 | 05-000-0894-3 | |
| 7 | 10 | Transistor GS122 ß=28...56 | 00-555-9975-8 | Tr3-6,10,11, 13-16 |
| | or | Transistor GS122 ß=45...90 | 00-555-9976-6 | Same ß for each FF |
| 8 | 8 | Transistor SA25 ß=72...166 | 00-555-9527-2 | Tr1,7-9,12, 17-19 |
| | 5 | Transistor GS121e | 00-555-3310-6 | Tr7-9,12,18 |
| 9 | 1 | Transistor SB20 ß=72...166 | 00-555-9534-4 | |
| | | Transistor GS109e | 00-555-1109-4 | Tr2 |
| 11 | 9 | Semiconductor diode GAZ17 | 00-560-3979-3 | GR2,6,7, 9-11,16,69, 95 |
| 12 | 10 | Germanium diode GAZ17 (Special selection) | 00-560-3981-6 | Gr1,4,5,8, 12,13,17-20 |
| 14 | 1 | Polystyrene capacitor 220/10/63 | 00-420-4401-5 | C1 |
| 15 | 32 | Polystyrene capacitor 560/5/63 | 00-420-4361-7 | C6,18-21, C23-30,32-50 |
| 16 | 16 | Polystyrene capacitor 1000/10/63 | 00-420-4417-7 | C2-5,7,9-17, 22,31 |
| 18 | 10 | Film resistor 470 ohm 10% 0,05W | 00-411-0706-4 | W39,40,44,45, 51,52,57,58, 61,62 |
| 19 | 19 | Film resistor 1,5k ohm 10% 25.311 | 00-400-9995-5 | W2,4,6,9,11, 15,16,18,20, 22,24,27,29, 31,33,35,88, 97,98 |
| 20 | 1 | Film resistor 0,05W 4,7k ohm 10% | 00-411-0730-4 | W80 |

Table 15

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 21 | 49 | Film resistor 10k ohm 10% 0,05W | 00-411-0739-4 | W8,13,26,42, 54,66-79, 81-87,89-91, 93,99-117 |
| 22 | 19 | Film resistor 0,05W 12K ohm 10% | 00-411-0742-5 | 1Y37,38,41,43, 46-50,53,55, 56,59,60, 63-65,92,95 |
| 23 | 10 | Film resistor 56k ohm 10% 0,05W | 00-411-0768-3 | 115,7,10,12, 21,23,28,30, |
| 24 | 9 | Film resistor 68k ohm 10% 0,05W | 00-411-0775-5 | G11,3,14,17, 19,25,36,94, 96 |
| 27 | 2 | Wire link | | B21,823 |
| 28 | 2 | Wire link | | B1,85 |
| 29 | 2 | Wire link | | B4,8 10 |
| 30 | 1 | Wire link | | B2 |
| 31 | 1 | Wire link | | B6 |
| 32 | 2 | Wire link | | B3,925 |
| 33 | 1 | Wire link | | B22 |
| 34 | 1 | Wire link | | B19 |
| 35 | 1 | Wire link | | B12 |
| 36 | 1 | Wire link | | B18 |
| 37 | 3 | Wire link | | B7,B8,824 |
| 38 | 2 | Wire link | | B9,815 |
| 39 | 1 | Wire link | | B11 |
| 40 | 2 | Wire link | | B15,820 |
| 41 | 3 | Wire link | | B13,814,817 |
| 42 | 1 | Wire link | | B26 |
| 43 | 38 | Silicon-Planar-Diode SA403 | 00-560-9667-2 | Gr3,15,22,28, 34,37,39,41, 43,44,46-48, 51,52,54,55, 57,58,61,62, 64-67,71,72, 77,80,81,85, 85,88,91-93, 99 |

Table 15

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 44 | 14 | Silicon-Planar-Diode SA403 | 00-560-9668-0 | Gr21,27,30, 45,53,56,59, 63,75,78,82, 84,87,96 |
| 45 | 7 | Silicon-Planar-Diode SA403 | 00-560-9669-7 | Gr23,32,36, 42,7-9,94, 100 |
| 46 | 4 | Silicon-Planar-Diode SA403 | 00-560-9670-3 | Gr25,70,83, 89 |
| 47 | 9 | Silicon-Planar-Diode SA403 | 00-560-9671-1 | Gr14,31,33,35, 50,68,74,76, 97 |
| 48 | 3 | Silicon-Planar-Diode SA403 | 00-560-9673-6 | Gr24,73,90 |
| 49 | 5 | Silicon-Planar Diode SA403 | 00-560-9677-7 | Gr26,29,38, 40,98 |

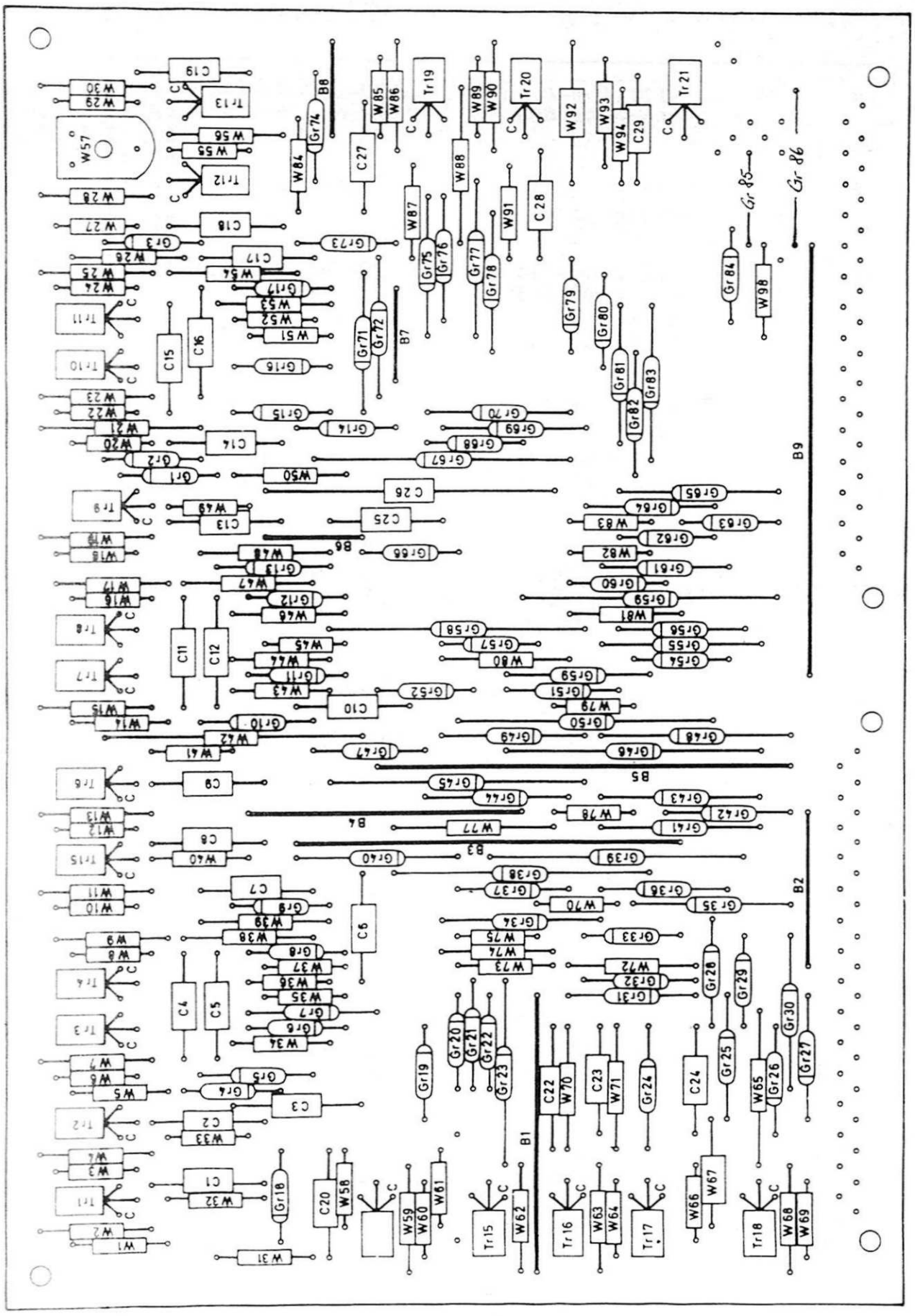

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W61
W62
W63
W64
W65
W66
W67
W68
W69
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W71
W72
W73
W74
W75
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W88
W89
W90
W91
W92
W93
W94
W98
Gr1
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Gr74
Gr75
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Gr77
Gr78
Gr79
Gr80
Gr81
Gr82
Gr83
Gr84

Table 16

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #5 | 05-220-7005-1 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 3 | 4 | Hollow rivet 3x0,25x8 | 00-224-0151-3 | |
| 4 | 4 | Washer 3,2 | 05-000-0894-3 | |
| 7 | 6 | Transistor GS122 ß=28...56 | 00-555-9975-8 | Tr3,4,7,8,10, 11 |
| | or | Transistor GS122 ß=45...96 | 00-555-9976-6 | Same B for each FF |
| 8 | 2 | Switching transistor SA25 ß=45...88 l0us | 00-555-9526-4 | Tr20,21 |
| 9 | 2 | Transistor SB20 ß=29...55 | 00-555-9532-8 | Tr12,13 |
| 10 | 1 | Transistor SB20 ß=72...166 | 00-555-9534-4 | Tr19 |
| | or | Transistor GS109e | 00-555-1109-4 | |
| 12 | 6 | Germanium diode GAZ17 | 00-560-3981-6 | Gr6,8,11,12, |
| 13 | 10 | Transistor SA25 ß=72...166 | 00-555-9527-2 | Tr1,2,5,6,9, 14-18 |
| | 6 | Transistor GS121e | 00-555-3310-6 | Tr1,2,5,6,9, 15 |
| 14 | 3 | Semiconductor diode GAZ17 | 00-560-3979-3 | Gr7,72,73, |
| 16 | 1 | Polystyrene capacitor 220/10/63 | 00-420-4401-5 | C27 |
| 17 | 8 | Polystyrene capacitor 560/5/63 | 00-420-4361-7 | C3,6,7,10,14, 17,25,26 |
| 18 | 16 | Polystyrene capacitor 1000/10/63 | 00-420-4417-7 | Cl,2,4,5,8,9, 11-13,15,16, |
| 19 | 2 | Polystyrene capacitor 2200/5/63 | 00-420-4375-4 | C20-22-24 C18,19 |
| 20 | 1 | Polystyrene capacitor 2700/10/63 | 00-420-4427-3 | C29 |

Table 16

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 22 | 1 | Film resistor 330 Ohm 10% 25.518 | 00-401-1194-5 | W92 |
| 23 | 7 | Film resistor 470 ohm 10% 0,05W | 00-411-0706-4 | W36,37,44,46, 52,53,84 |
| 24 | 2 | Film resistor 1K ohm 10% 0,05W | 00-411-0716-6 | W127,28 |
| 25 | 18 | Film resistor 1,5k ohm 10% 25.311 | 00-400-9995-5 | W2,4,7,9,11, 13,15,17,19, 23,25,30,59, 62,53,68,86, 90 |
| 25 | 1 | Film resistor 4,7k ohm 10% 0,05W | 00-411-0730-4 | W94 |
| 27 | 27 | Film resistor 10k ohm 10% 0,05W | 00-411-0739-4 | W5,20,21,26, 34,39,42,43, 48,50,55,56, 67,72-83,88, 98 |
| 28 | 18 | Film resistor 12k ohm 10% 0,05W | 00-411-0742-5 | W32,33,35,36,38, 40,41,45,47, 49,51,54,58, 61,65,70,71, 87,91 |
| 30 | 1 | Film resistor 39k ohm 10% 0,05W | 00-411-0757-0 | W93 |
| 31 | 6 | Film resistor 56k ohm 10% 0,05W | 00-411-0768-3 | W6,8,14,16, 22,24 |
| 32 | 12 | Film resistor 68k ohm 10% 0,05W | 00-411-6775-5 | W1,3,10,12,18 31,60,64,66, 69,85,89 |
| 33 | 1 | Film resistor 220k ohm 10% 0,05W | 00-411-0788-4 | W29 |
| 34 | 1 | Variable film resistor S 1k ohm 1-05-554 | 00-463-5862-8 | W57 |
| 38 | 3 | Wire link | B6-8 | |
| 39 | 1 | Wire link | 82 | |
| 40 | 1 | Wire link | 84 | |

Table 16

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 41 | 1 | Wire link | | B1 |
| 42 | 1 | Wire link | | B3 |
| 43 | 1 | Wire link | | B5 |
| 44 | 1 | Wire link | | 89 |
| 45 | 25 | Silicon-planar-Diode SA403 | 00-560-9667-2 | Gr1-4,9,14, 15,18-20,22, 29,33,52,54,57, 60,62,63,66,68, 79,80,84,85 |
| 46 | 11 | Silicon-planar-Diode SA403 | 00-560-9668-0 | Gr5,10,13,21, 215,28,32,37, 47,51,74 |
| 47 | 12 | Silicon-planar-Diode SA403 | 00-560-9669-7 | Gr24,25,27,31, 36,42,56,61, 64,76,82,86, |
| 48 | 9 | Silicon-planar-Diode SA403 | 00-560-9670-3 | Gr44,49,53,69, 70-71,75,78, 81 |
| 49 | 10 | Silicon-planar-Diode SA403 | 00-560-0671-1 | Gr30,34,35,40, 41,43,55,65, 77,83 |
| 50 | 2 | Silicon-planar-Diode SA403 | 00-560-9673-6 | Gr23,48 |
| 51 | 8 | Silicon-planar-Diode SA403 | 00-560-9677-7 | Gr38,39,45, 46,50,58,59, 67 |

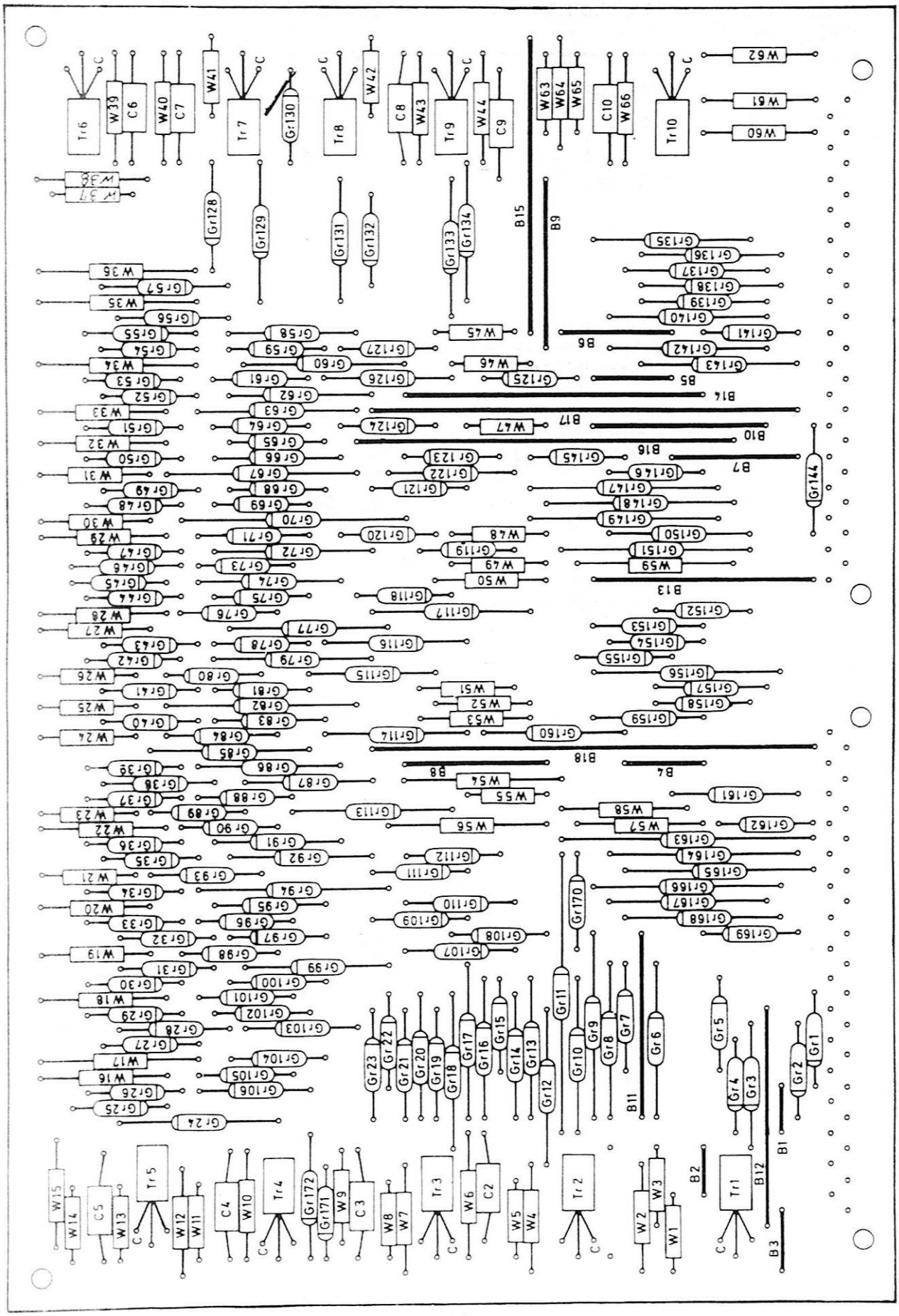

Tr1
Tr2
Tr3
Tr4
Tr5
Tr6
Tr7
Tr8
Tr9
Tr10
C2
C3
C4
C5
C6
C7
C8
C9
C10
B1
B2
B3
B4
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B10
B11
B12
B13
B14
B15
B16
B17
B18

Table 17

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #6 | 05-220-7006-8 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 3 | 4 | Hollow rivet 3x0,5x8 | 00-224-0151-3 | |
| 4 | 4 | Washer 3,2 | 05-000-0894-3 | |
| 7 | 9 | Transistor SA25 ß=72...166 Ti 10us | 00-555-9527-2 | Tr1-Tr9 |
| | 2 | Transistor GS121e TGL 200-8434 | 00-555-3310-6 | Tr1,7 |
| 8 | 1 | Transistor SA25 ß=45...88 | 00-555-9525-4 | Tr10 |
| 10 | 2 | Semiconductor diode GAZ17 | 00-560-3979-3 | Gr2,3 |
| 14 | 9 | Film resistor 1,5k ohm 10% 25.311 | 00-400-9995-5 | W4,7,12,15, 38,60-62,54 |
| 15 | 1 | Film resistor 4,7k ohm 10%, | 00-411-6730-4 | W59 |
| 16 | 36 | Film resistor 10k ohm 10% 0,05W | 00-411-0739-4 | W2,15-36, 45-58 |
| 17 | 10 | Film resistor 12k ohm 10% 0,05W | 00-411-0742-5 | W3,5,9,10,13, 29,40,43,44,66 |
| 18 | 10 | Film resistor 68k ohm 0,05W | 00-411-0775-5 10%, | W1,5,8,11,14, 37,41,42,53,65 |
| 22 | 9 | Polystyrene capacitor 1000/10/63 | 00-420-4417-7 | C2-C10 |
| 25 | 2 | Wire link | | B1,2 |
| 26 | 1 | Wire link | | B3 |
| 27 | 2 | Wire link | | B4,5 |
| 28 | 1 | Wire link | | B6 |
| 29 | 1 | Wire link | | B7 |
| 30 | 1 | Wire link | | B8 |
| 31 | 2 | Wire link | | B9,10 |
| 32 | 1 | Wire link | | B11 |
| 33 | 2 | Wire link | | B12,13 |

Table 17

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 34 | 2 | Wire link | | B14,15 |
| 35 | 1 | Wire link | | B16 |
| 36 | 1 | Wire link | | B17 |
| 37 | 1 | Wire link | | B18 |
| 40 | 80 | Silicon-Planar-Diode SA403 | 00-560-9667-2 | Gr1,4,5,15, 22,25-27, 29-37,39-45, 47-54,59,61, 64,65,68,69, 73,75,75,78, 80,81,88-90, 96-98,100-102, 104,105,128, 109,111,112, 118-121,123-125,127,137, 132,141,145, 146,152,154, 155,158,162, 169,170,171 |
| 41 | 23 | Silicon-Planar-Diode SA403 | 00-560-9668-0 | Gr7,19,21,23, 28,38,46,55, 56,71,83,84, 93,95,103,106, 107,110,128, 144,153,157, 159 |
| 42 | 14 | Silicon-Planar-Diode SA403 | 00-560-9669-7 | Gr14,20,57, 58,66,87,91, 115,122,126, 131,139,161, 172 |
| 43 | 17 | Silicon-Planar-Diode SA403 | 00-560-9670-3 | Gr13,16,62,74, 86,92,99,114, 116,129,133, 134,136-138, 150,160 |
| 44 | 21 | Silicon-Planar-Diode SA403 | 00-560-9671-1 | Gr6,8,10,12,17, 18,24,60,63,72, 77,79,85,113, 117,135,140, 142,143,167, 168 |

Table 17

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 45 | 12 | Silicon-Planar-Diode SA403 | 00-560-9673-5 | Gr9,67,82, 94,147-149, 151,156, 164-166 |
| 46 | 1 | Silicon-Planar-Diode SA403 | 00-560-9675-2 | Gr70 |
| 47 | 1 | Silicon-Planar-Diode S4403 | 00-560-9677-7 | Gr163 |
| 48 | 1 | Silicon-Planar-Diode SA403 | 00-560-9679-3 | Gr11 |

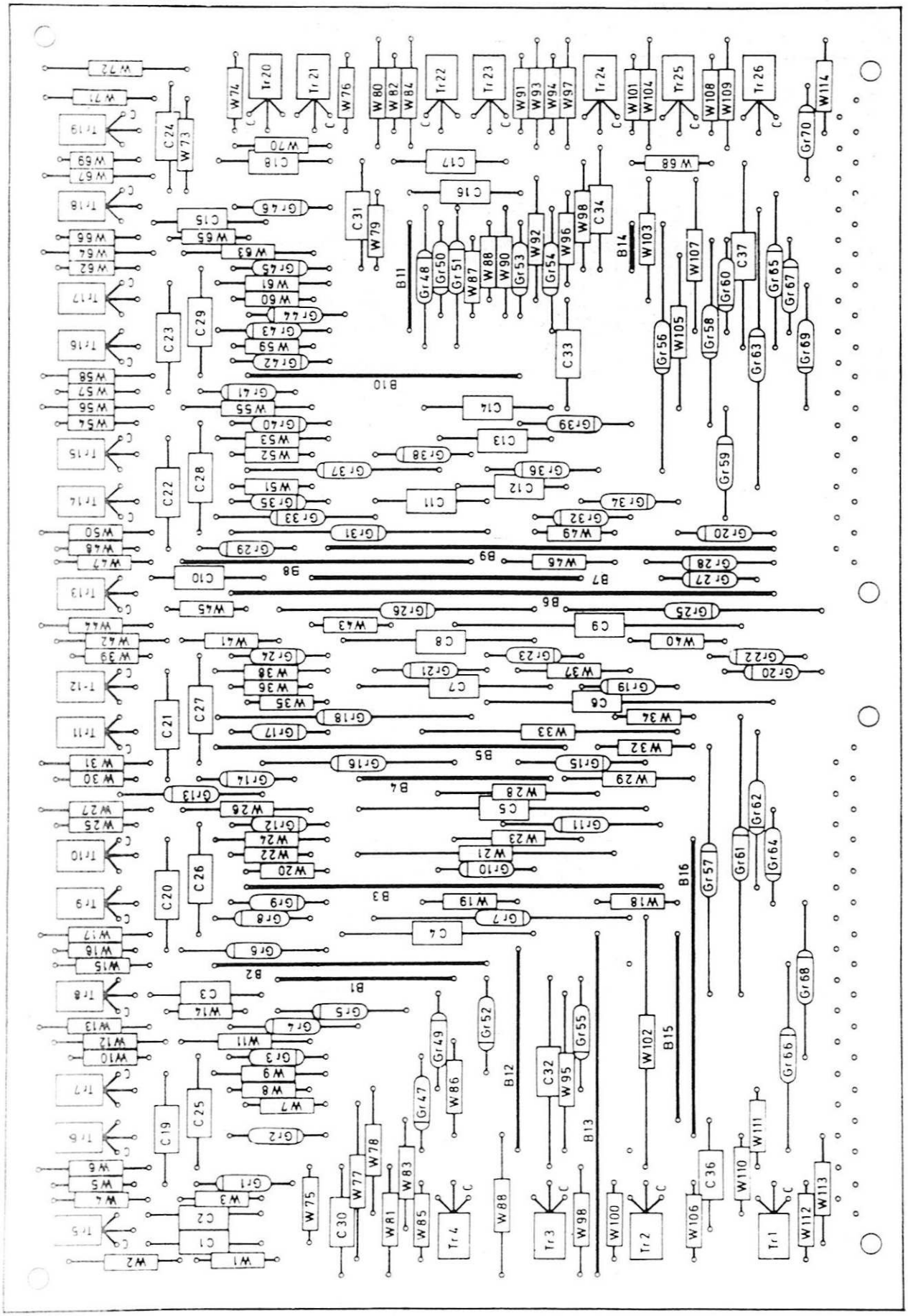


Table 18

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #7 | 05-220-7007-6 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 3 | 4 | Hollow rivet 3x0,25x8 | 00-224-0151-3 | |
| 4 | 4 | Washer 3,2 | 05-000-0894-3 | |
| 6 | 12 | Transistor GS122<br>ß=28...56 | 00-555-9975-8 | Tr6,7,9,<br>10-12,14-17<br>22,23 |
| | or | Transistor GS122<br>ß=45...90 | 00-555-9976-6 | Tr6,7,9,<br>10-12,14-17,<br>22,23 |
| 8 | 5 | Transistor SA25<br>ß=45...88 | 00-555-9526-4 | Tr1,2,4,5,13 |
| 9 | 8 | Transistor SA25<br>ß=72...166 | 00-555-9527-2 | Tr8,18-21,<br>24-26 |
| | 8 | Transistor GS121e | 00-555-3310-6 | Tr8,18-21,<br>24-26 |
| 10 | 1 | Transistor SB 20<br>ß=72..166 | 00-555-9534-4 | Tr3 |
| 12 | 11 | Germanium diode<br>GAZ17 | 00-560-3979-3 | Gr19,21,23,<br>28,32,38,52,<br>55,60,62,64 |
| 13 | 12 | Germanium diode<br>GAZ17<br>(Special selection) | 00-560-3981-6 | Gr2,3,8,12,<br>17,24,35,40,<br>42,45,50,53 |
| 14 | 2 | Semiconductor diode<br>GAY63 | 00-560-9699-4 | Gr7,47 |
| 16 | 1 | Polystyrene capacitor<br>220/10/63 | 00-420-4401-5 | C32 |
| 17 | 12 | Polystyrene capacitor<br>560/5/63 | 00-420-4361-7 | C4,5,6,7,8,<br>9,11,12,13,<br>14,30,33 |
| 18 | 21 | Polystyrene capacitor<br>1000/10/63<br>TGL 5155 | 00-420-4417-7 | C2,3,10,15,<br>16,17,19,20,<br>21,22,23,24,<br>25,26,27,28,<br>29,31,34,36,37 |

Table 18

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 19 | 1 | Polystyrene capacitor 2200/10/63 | 00-420-4425-1 | C18 |
| 20 | 1 | Polystyrene capacitor 2700/10/63 | 03-420-4427-3 | C1 |
| 22 | 2 | Film resistor 330 ohm 10% 25.518 | 00-401-1194-5 | W72,89 |
| 23 | 12 | Film resistor 470 ohm 10% 0,05W | 00-411-0706-4 | W18,9,22,24, 36,38,52,53, 60,61,88,90 |
| 24 | 1 | Film resistor 820 ohm 10% 25.412 | 00-401-0593-0 | W80 |
| 25 | 23 | Film resistor 1,5k ohm 10% 25.311 | 00-400-9995-5 | W2,6,12,13,17 27,31,42,44,50 56,58,64,67,71 81,84,93,97,98 104,109,113 |
| 26 | 1 | Film resistor 2,2k ohm 10% 0,05W | 00-411-0722-4 | W70 |
| 27 | 2 | Film resistor 4,7k ohm 10% 0,05W | 00-411-0730-4 | W1,U105 |
| 28 | 23 | Film resistor 10k ohm 10% 0,05W | 00-411-0739-4 | W18,19,21,23, 28,29,32,33,34 37,40,43,46,49 75,77,78,83,86 96,103,111,114 |
| 29 | 24 | Film resistor 12k ohm 10% 0,05W | 00-411-0742-5 | W3,7,11,14,20 26,35,41,45,51 55,59,63,65,68 73,79,87,92,95 99,102,107,110 |
| 30 | 1 | Film resistor 15k ohm 10% 0,05W | 00-411-0745-8 | W74 |
| 31 | 1 | Film resistor 39k ohm 10% | 00-411-0757-0 0,05W | W85 |
| 32 | 12 | Film resistor 56k ohm 10% 0,05W | 00-411-0768-3 | W5,10,16,25, 30,39,48,54, 57,62,82,91 |
| 33 | 12 | Film resistor 68k ohm 10% 0,05W | 00-411-0775-5 | W4,15,47,66, 69,76,94,100, 101,105,108,112 |

Table 18

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 35 | 1 | Wire link | | B14 |
| 36 | 1 | Wire link | | B11 |
| 37 | 1 | Wire link | | B1 |
| 38 | 2 | Wire link | | B14,B15 |
| 39 | 1 | Wire link | | B12 |
| 40 | 3 | Wire link | | B2,B7,B10 |
| 41 | 1 | Wire link | | B8 |
| 42 | 1 | Wire link | | B16 |
| 43 | 2 | Wire link | | B13 |
| 44 | 1 | Wire link | | B3 |
| 45 | 1 | Wire link | | B9 |
| 46 | 1 | Wire link | | B6 |
| 47 | 16 | Silicon-Planar-Diode SA403 | 00-560-9667-2 | Gr1,8,10,14, 20,22,27,29, 30,34,41,44, 45,49,67,70 |
| 48 | 4 | Silicon-Planar-Diode SA403 | 00-560-9668-0 | Gr36,39,43, 59, |
| 49 | 5 | Silicon-Planar-Diode SA403 | 00-560-9669-7 | Gr4,5,15,514, 69, |
| 50 | 4 | Silicon-Planar- | 00-560-9670-3 | Gr6,13,148,51 |
| 51 | 4 | Silicon-Planar-Diode SA403 | 00-560-9671-1 | Gr11,33,65,68 |
| 52 | 4 | Silicon-Planar-Diode SA403 | 00-560-9673-6 | Gr16,37,58,66 |
| 53 | 6 | Silicon-Planar-Diode SA403 | 00-560-9677-7 | Gr18,25,26, 31,56,57 |
| 54 | 2 | Silicon-Planar-Diode SA403 | 00-560-9679-3 | Gr61,63 |

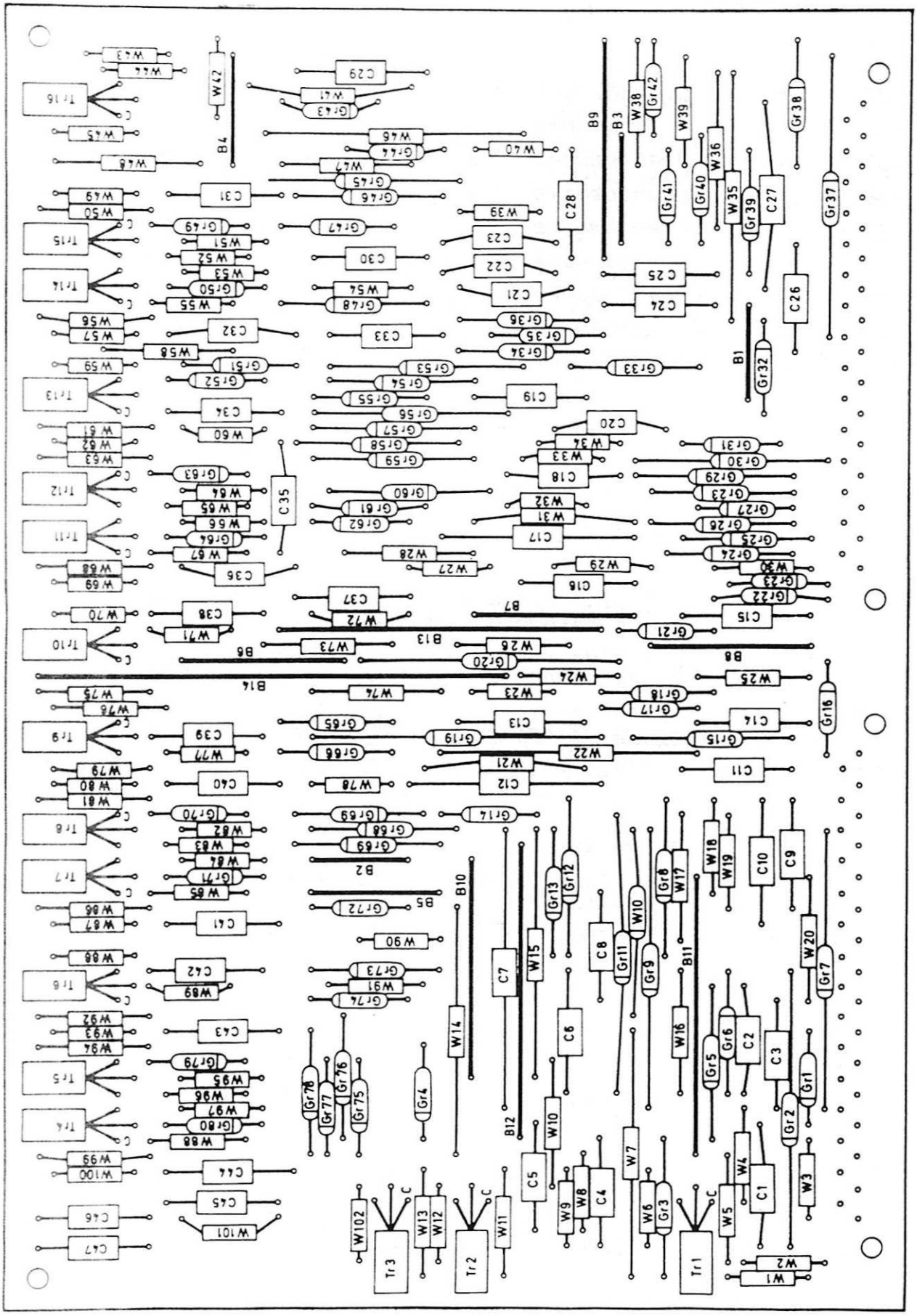


Table 19

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #8 | 05-220-7008-4 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 3 | 4 | Hollow rivet 3x0,25x8 | 00-224-0151-3 | |
| 4 | 4 | Washer 3,2 | 05-000-0894-3 | |
| 8 | 1 | Transistor SA25<br>ß=29...5<br>Ti=l0us | 00-555-9524-8 | Tr3 |
| 9 | 8 | Transistor GE122<br>ß=28...56 | 00-555-9975-8 | Tr4,5,7,8,<br>11,12,14,15 |
| | or | Transistor GS122<br>ß=45...90 | 00-555-9976-6 | Same B<br>for each FF |
| 10 | 1 | Transistor SA25<br>ß=45...88 | 00-555-9526-4 | Tr2 |
| 11 | 6 | Transistor SA25<br>ß=72...166<br>Ti=10us | 00-555-9527-2 | Tr1,6,9,10,<br>13,16 |
| | or | Transistor GS121e<br>TGL 200-8434 | 00-555-3310-6 | |
| 14 | 8 | Semiconductor diode<br>GAZ17<br>(Special selection) | 00-560-3981-6 | Gr49,50,63,<br>64,70,71,<br>79,80 |
| 15 | 1 | Semiconductor diode<br>GA17 | 00-560-3979-3 | Gr16 |
| 18 | 32 | Polystyrene capacitor<br>560/5/63 | 00-420-4361-7 | C1-3,6-30,<br>33,37,46,47 |
| 19 | 14 | Polystyrene capacitor<br>1000/10/63 | 00-420-4417-7 | C4,31,32,<br>34-36,38-45 |
| 20 | 1 | Polystyrene capacitor<br>2700/10/63 | 00-420-4427-3 | C5 |
| 23 | 8 | Film resistor<br>0,05W 470 ohm 10% | 00-411-0706-4 | W52,53,65,<br>66,83,84,<br>96,97 |
| 24 | 1 | Film resistor<br>1,2k ohm 10% 25.518 | 00-401-1201-3 | W48, |

Table 19

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 25 | 15 | Film resistor 1,5k ohm 10% 25.311 | 00-400-9995-5 | W5,11,13,50, 56,61,63,68, 75,76,81,86, 92,94,99 |
| 26 | 1 | Film resistor 4,7K ohm 10% 0,05W | 00-411-0730-4 | W9 |
| 27 | 46 | Film resistor 10k ohm 10% 0,05W | 00-411-0739-4 | W1-4,7,10, 14-44,47,54, 58,72-74,78, 90,91 |
| 28 | 14 | Film resistor 12k ohm 10% 0,05W | 00-411-0742-5 | W8,51,55,60, 64,67,71,77, 82,85,89,95, 98,101 |
| 29 | 1 | Film resistor 39k ohm 10% 0,05W | 00-411-0757-0 | W12 |
| 36 | 8 | Film resistor 56k ohm 10% 0,05W | 00-411-0768-3 | W49,57,62, 69,80,87,93, 100 |
| 31 | 7 | Film resistor 68k ohm 10% 0,05W | 00-411-0775-5 | W6,46,59,70, 79,88,102 |
| 32 | 1 | Film resistor 100k ohm 10% 0,05W | 00-411-0781-0 | W45 |
| 35 | 2 | Wire link | | B1,2 |
| 36 | 2 | Wire link | | B3, |
| 38 | 1 | Wire link | | B5 |
| 39 | 3 | Wire link | | B6-8 |
| 40 | 2 | Wire link | | B9,10 |
| 41 | 1 | Wire link | | B11 |
| 42 | 1 | Wire link | | B12 |
| 43 | 1 | Wire link | | B13 |
|  | 1 | Wire link | | B14 |
| 45 | 19 | Silicon-Planar-Diode SA403 | 00-560-9667-2 | Gr1,4,14,17, 21,23,27,31, 32,41-44,52, 62,72,74,75, 77 |
| 46 | 10 | Silicon-Planar-Diode SA403 | 00-560-9668-0 | Gr18,22,35, 40,47,51,55, 61,65,66 |

Table 19

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 47 | 13 | Silicon-Planar-Diode SA403 | CO-560-9669-7 | Gr6,13,24, 25,33,34, 36,38,39, 67,73,76,78 |
| 48 | 8 | Silicon-Planar-Diode SA403 | 00-560-9670-3 | Gr3,26,28, 46,48,54,68, 59 |
| 49 | 9 | Silicon-Planar-Diode SA403 | 00-560-9671-1 | Gr5,8,12,15, 29,57-60 |
| 50 | 5 | Silicon-Planar-Diode SA403 | 00-560-9673-6 | Gr16,30,45, 53,56 |
| 51 | 1 | Silicon-Planar-Diode SA403 | 00-560-9677-7 | Gr20 |
| 52 | 6 | Silicon-Planar Diode SA463 | 00-560-9679-3 | Gr2,7,9,11, 19,37 |

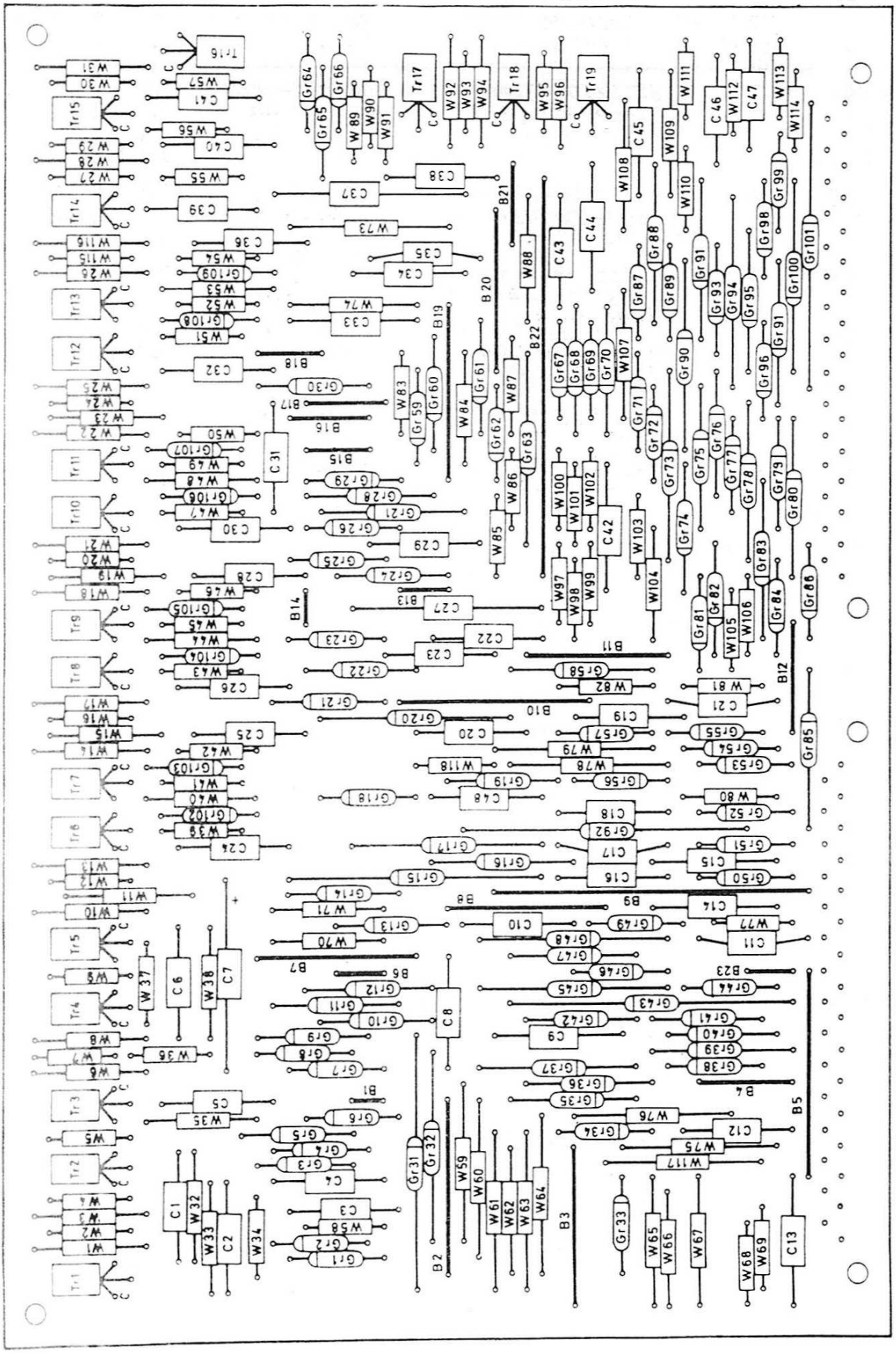


Table 20

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #9 | 05-220-7009-2 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 3 | 4 | Hollow rivet 3x0,25x8 | 00-224-0151-3 | |
| 4 | 4 | Washer 3x0,25x8 | 05-000-0894-3 | |
| 8 | 8 | Transistor GS122<br>ß=28...56 | 00-555-9975-8 | Tr6-13 |
| | or | Transistor GS122<br>ß=45...90 | 00-555-9976-6 | Same B<br>for each FF |
| 9 | 2 | Transistor SA25<br>ß=45...88 | 00-555-9626-4 | Tr4,5 |
| 10 | 9 | Transistor SA25<br>ß=72...166 | 00-555-9527-2 | Tr1-3,14-19 |
| | 8 | Transistor GS121e | 00-555-3310-6 | Tr1-3,14-18 |
| 13 | 9 | Germanium diode<br>GAZ17<br>(Special selection) | 00-560-3981-6 | Gr53,102-109 |
| 14 | 2 | Diode AC40 | 00-560-9525-3 | Gr33,39 |
| 16 | 1 | Film resistor<br>1,8k ohm 10% 25.311 | 00-400-9996-3 | W18 |
| 17 | 18 | Film resistor<br>1,5k ohm 10% 25.311 | 00-400-9995-5 | W1,3,6,10,<br>13,14,17,18, |
| 18 | 10 | Film resistor<br>68k ohm 10% 0,05W | 00-411-0775-5 | W2,4,5,27,29,<br>30 93,95,110,<br>111 |
| 19 | 8 | Film resistor<br>56k ohm 10% 0,05W | 00-411-0768-3 | W12,15,16,19,<br>20,23,24,115 |
| 20 | 18 | Film resistor<br>12k ohm 10% 0,05W | 00-411-0742-5 | W32,33,35,37,<br>39,42,43,46<br>47,50,51,<br>54-57,73,<br>74,88 |

Table 20

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 21 | 46 | Film resistor 10k ohm 10% 0,05W | 00-411-0739-4 | W34,58-68, 70,71,75-87, 89-91,97-104, 106,108,109, 112-114, 117-118 |
| 22 | 2 | Film resistor 4,7k ohm 10% 0,05W | 00-411-0730-4 | W11,69 |
| 23 | 1 | Film resistor 0,05W 3,9k ohm 2% | 06-411-1068-7 | W36 |
| 24 | 1 | Film resistor 0,05W 2,7k ohm 10% | 00-411-0724-0 | W38 |
| 25 | 1 | Film resistor 0,05W 2,2k ohm 2% | 00-411-1071-8 | W7 |
| 26 | 8 | Film resistor 0,05W 4,7k ohm 10% | 00-411-0706-4 | W40,41,44,45, 48,49,52,53 |
| 27 | 2 | Film resistor 0,05W 100 ohm 10% | 00-411-0682-6 | W105,107 |
| 28 | 1 | Film resistor 0,05W 82 ohm 2% | 00-411-1058-2 | W9 |
| 30 | 1 | Electrolytic capacitor 20/15 | 00-421-0305-1 | C7 |
| 32 | 1 | Polystyrene capacitor 2700/10/63 | 00-420-4427-3 | C6 |
| 33 | 17 | Polystyrene capacitor 1000/10/63 | 0O-421-4417-7 | C1,2,5, 24-26,28, 30-33,36,37 |
| 34 | 27 | Polystyrene capacitor 560/5/63 | 00-420-4361-7 | C3,4,8-12, 14-23,27,29, 34,35,38,42, 45-46 |
| 35 | 2 | Paper capacitor 0,047/6 3-445 | 00-421-3534-8 | C13,44 |
| 37 | 2 | Wire link | B1,B14 | |
| 38 | 3 | Wire link | B6,13,23 | |
| 39 | 2 | Wire link | B15,18 | |
| 40 | 3 | Wire link | B16,17,21 | |
| 41 | 1 | Wire link | B4 | |
| 42 | 1 | Wire link | B12 | |
| 43 | 1 | Wire link | B11 | |

Table 20

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| 44 | 4 | Wire link | | B3,7,8,20 |
| 45 | 2 | Wire link | | B2,19 |
| 46 | 1 | Wire link | | B16 |
| 47 | 1 | Wire link | | B5 |
| 43 | 1 | Wire link | | B9 |
| 49 | 1 | Wire link | | B22 |
| 50 | 40 | Silicon-Planar-Diode SA403 | 00-560-9667-2 | Gr1-4,6-8, 18,23,25,26, 29,34,38,44, 46,49,52, 54-57,59,62, 64,66,67,69, 71,72,77,81, 84,86,87,89, 96,98 |
| 51 | 19 | Silicon-Planar-Diode SA403 | 03-560-9668-0 | Gr5,9,10,13, 14,19,21,22, 24,30,40-42, 60,61,65,79, 82,93 |
| 52 | 10 | Silicon-Planar-Diode SA403 | 00-560-9669-7 | Gr11,12,28, 35,36,47,68, 70,74,76, |
| 53 | 6 | Silicon-Planar-Diode SA403 | 00-560-9670-3 | Gr16,27,58, 75,95,97 |
| 54 | 7 | Silicon-Planar-Diode SA403 | 00-560-9671-1 | Gr37,78,80, 83,85,88,91 |
| 55 | 10 | Silicon-Planar-Diode SA403 | 00-560-9673-6 | Gr17,20,32, 45,48,63,73, 90,94,100 |
| 56 | 2 | Silicon-Planar-Diode SA403 | 00-560-9677-7 | Gr15,31 |
| 57 | 3 | Silicon-Planar-Diode SA403 | 00-560-9679-3 | Gr43,92,101 |

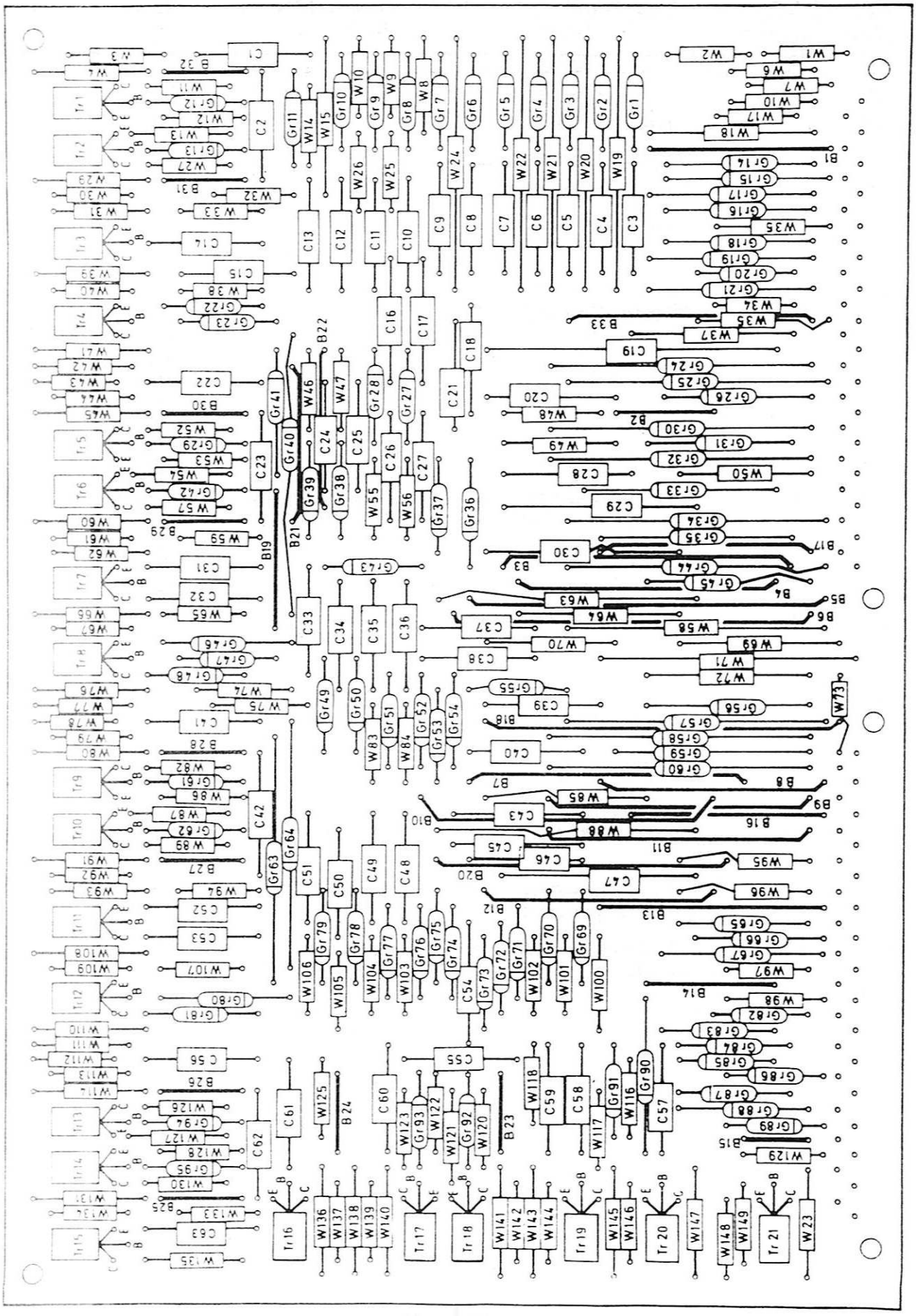


Table 21

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #10 | 05-220-7010-7 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 3 | 4 | Hollow rivet 3x0,25x8 | 00-224-0151-3 | |
| 4 | 4 | Washer 3,2 | 05-000-0894-3 | |
| 6 | 10 | Transistor GS122<br>ß=28...56 | 00-555-9975-8 | Tr1,2,5,6,<br>9,10,13,14,<br>17,18 |
| | or | Transistor GS122<br>ß=45...90 | 00-555-9975-5 | Same B<br>for each FF |
| 7 | 2 | Transistor SA25<br>ß=45...88 | 00-555-9526-4 | Tr20,19 |
| 8 | 9 | Transistor SA25<br>ß=72...166 | 00-555-9527-2 | |
| | or | Transistor GS121e | 00-555-3310-6 | Tr3,4,7,8,<br>11,12,15,15,<br>21 |
| 9 | 7 | Semiconductor diode<br>GAZ17 | 00-560-3979-3 | Gr83-35,87,<br>88,90,91 |
| 10 | 10 | Semiconductor diode<br>GAZ17<br>(Special selection) | 00-560-3981-6 | Gr12,13,29,<br>42,51,62,<br>92-95 |
| 11 | 1 | Polystyrene capacitor<br>2700/10/63 | 00-420-4427-3 | C58 |
| 12 | 20 | Polystyrene capacitor<br>1000/10/63 | 00-420-4417-7 | C1,2,14,15,<br>22,23,3 1,32,<br>41,42,52,53,<br>55-57,59-63 |
| 13 | 34 | Polystyrene capacitor<br>560/5/63 | 00-420-4361-7 | C3-13,18,21,<br>14-27,23-40,<br>43,45-51,54 |
| 14 | 7 | Paper capacitor<br>0,047/63-445 | 00-421-3534-2 | C16,17,19,20,<br>28-30 |
| 15 | 1 | Film resistor<br>4,7k ohm 10% 0,05W | 00-411-6730-4 | W117 |

Table 21

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 16 | 1 | Film resistor 39k ohm 10% 0,05W | 00-411-0757-0 | W146 |
| 17 | 7 | Film resistor 100 ohm 10% 0,05W | 00-411-0682-6 | W2,7,17,35, 37,95,97 |
| 18 | 11 | Film resistor 470 ohm 10% 0,05W | 00-411-0706-4 | W12,13,53, 54,86,87, 122,121,127, 128,150 |
| 19 | 10 | Film resistor 56k ohm 10% 0,05W | 00-411-0768-3 | W3,30,44,61, 79,92,113, 134,139,142 |
| 20 | 11 | Film resistor 68K ohm | 00-411-0775-5 10% 0,05W | W31,40,62,67, 70,93,109, 135,137,144, 148 |
| 21 | 20 | Film resistor 12k ohm 10% 0,05W | 00-411-0742-5 | W11,27,52,33, 38,57,59,65, 82,89,94,107, 116,118,120, 125,126,130, 123,133 |
| 22 | 20 | Film resistor 1,5k ohm 10% 25.311 | 00-400-9995-5 | W4,23,29,39, 41,45,60,66, 76,80,91,108, 116,114,131, 136,138,140, 141,145 |
| 23 | 57 | Film resistor 10k ohm 10% 0,05W | 00-411-0739-4 | W1,6,8-10, 14-16,18, 19-22,24-26, 32,34,36,42, 43,46-50,55, 56,63,64,68,69, 71-75,77,78, 83-85,88,96,98, 100-106,111, 112,129,143, 149 |
| 24 | 1 | Film resistor 1,5k ohm 5% 0,05W | 00-411-1065-4 | W147 |

Table 21

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| 25 | 1 | Wire link | | B1 |
| 26 | 10 | Wire link | | B23-32 |
| 27 | 1 | Wire link | | B2 |
| 28 | 1 | Wire link | | B7 |
| 29 | 3 | Wire link | | B4,9,11 |
| 30 | 3 | Wire link | | B5,6,18 |
| 31 | 3 | Wire link | | B8,13,12 |
| 32 | 3 | Wire link | | B10,20,3 |
| 33 | 1 | Wire link | | B16 |
| 34 | 1 | Wire link | | B17 |
| 35 | 1 | Wire link | | B19 |
| 36 | 2 | Wire link | | B21,22 |
| 37 | 1 | Wire link | | B14 |
| 38 | 1 | Wire link | | B15 |
| 39 | 0,05m | Insulating sleeving A 0,5x1,0 S | 00-460-1987-1 | |
| 40 | 1 | Wire link | 05-220-1714-3 | B33 |
| 41 | 42 | Silicon-Planar-Diode SA403 | 00-560-9667-2 | Gr1-11,20,22, 23,27,28,37-39,43,47-55, 69-79,82,89 |
| 42 | 2 | Silicon-Planar-Diode SA403 | 00-560-9668-0 | Gr36,81 |
| 43 | 4 | Silicon-Planar-Diode SA403 | 00-560-9669-7 | Gr46,65,65, 80 |
| 44 | 5 | Silicon-Planar-Diode SA403 | 00-560-9670-3 | Gr14,16,18, 26,31 |
| 45 | 7 | Silicon-Planar-Diode SA403 | 00-560-9671-1 | Gr15,17,19, 21,45,55,57 |
| 46 | 3 | Silicon-Planar-Diode SA403 | 00-560-9673-5 | Gr33,35,59 |
| 47 | 11 | Silicon-Planar-Diode SA403 | 00-560-9677-7 | Gr24,25,30,32, 34,44,57,58, 60,53,64 |
| 48 | 2 | Silicon-Planar-Diode SA403 | 00-560-9679-3 | Gr40,41 |

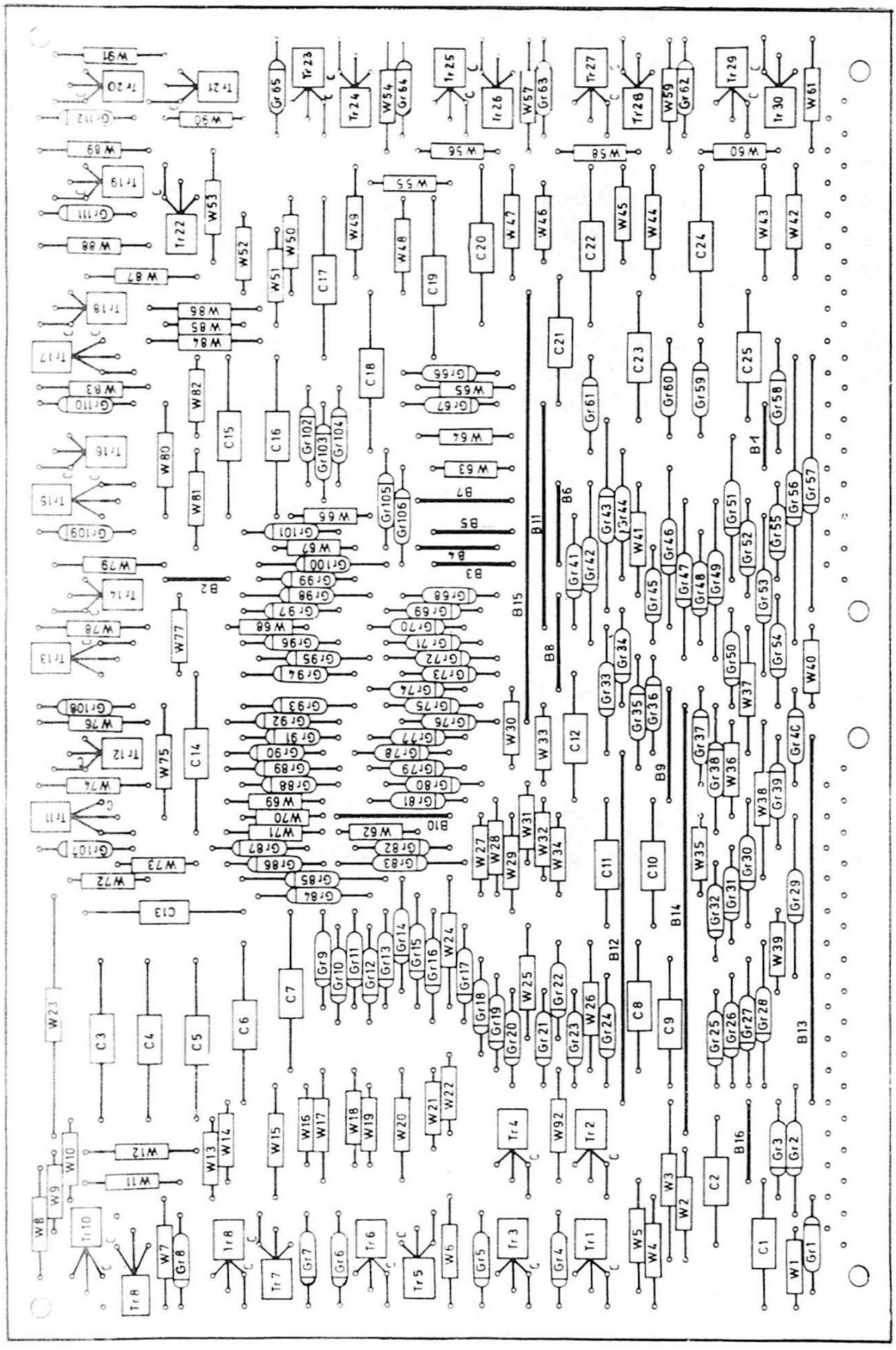


Table 22

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #11 | 05-220-7011-5 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 4 | 4 | Hollow rivet 3x0,25x8 | 00-224-0151-3 | |
| 6 | 4 | Washer 3,2 | 05-000-0894-3 | |
| 8 | 30 | Transistor BSY79 ß=30 | 00-555-9752-2 | Tr1-Tr30 |
| 11 | 37 | Diode AC 40 | 00-560-9525-3 | Gr1-3,25-58 |
| 12 | 15 | Rectifier diode KY 130/150 | 00-560-9724-7 | Gr4-8,62-65, 107-112 |
| 13 | 5 | Film resistor 47 ohm 10% 0,05W | 00-411-0676-2 | W35,W36,W38, W139,W41 |
| 15 | 1 | Film resistor 100 ohm 10% 0,05W | 00-411-0682-6 | W37 |
| 16 | 1 | Film resistor 3,6k ohm 5% 25.732 TGL 8728 | 00-401-1941-3 | W23 |
| 18 | 15 | Film resistor 4,7k ohm 10% 0,05W | 00-411-0730-4 | W10,W13,W14, W19,W22,W51, W55,W56,W58, W60,W72,W77, W82,W84,W90 |
| 19 | 25 | Film resistor 10k ohm 10% 0,05W | 00-411-0739-4 | W1-W3,W24-34,W40,W62-W71 |
| 20 | 15 | Film resistor 68k ohm 10% 25.412 | 00-401-6616-0 | W12,W15,W17, W20,W43,W44, W47,W49,W53, W74,W79,W80, W86,W87,W92 |
| 21 | 15 | Film resistor 100k ohm 10% 25.311 | 00-401-0018-8 | W4-W8,W54, W57,W59,W61, W76,W78,W83, W88,W89,W91 |
| 22 | 15 | Film resistor 1M ohm 10% 0,05W | 00-411-0811-2 | W9,W11,W16, W18,W21,W42, W45,U46,X148, W50,W52,W73, W75,W81,W85 |
| 24 | 15 | Paper capacitor 0,022/160-445 | 00-421-3551-6 | C3-C7,C13-C20,C22,C24 |

Table 22

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 25 | 10 | Paper capacitor 0,047/63-445 | 00-421-3534-8 | C1-C2,C8-C12 C21,C23,C25 |
| 27 | 2 | Wire link | B1,B2 | |
| 28 | 5 | Wire link | B3-B6,B16 | |
| 29 | 2 | Wire link | B7,B8 | |
| 30 | 2 | Wire link | B9,B10 | |
| 31 | 1 | Wire link | B11 | |
| 32 | 1 | Wire link | B12 | |
| 33 | 1 | Wire link | B13 | |
| 34 | 2 | Wire link | B14,B15 | |
| 39 | 45 | Silicon-Planar-Diode SA403 | 00-560-9667-2 | Gr9,Gr13,17-23,59-61, 66-71,73-82, 86-88,90,91, 96,97,99, 101-106 |
| L0 | 11 | Silicon-Planar-Diode SA403 | 00-560-9668-0 | Gr14-16, 24,72,84, 89,92-95 |
| 41 | 3 | Silicon-Planar-Diode SA403 | 00-560-9669-7 | Gr83,98,100 |
| 42 | 1 | Silicon-Planar-Diode SA403 | 00-560-9670-3 | Gr85 |

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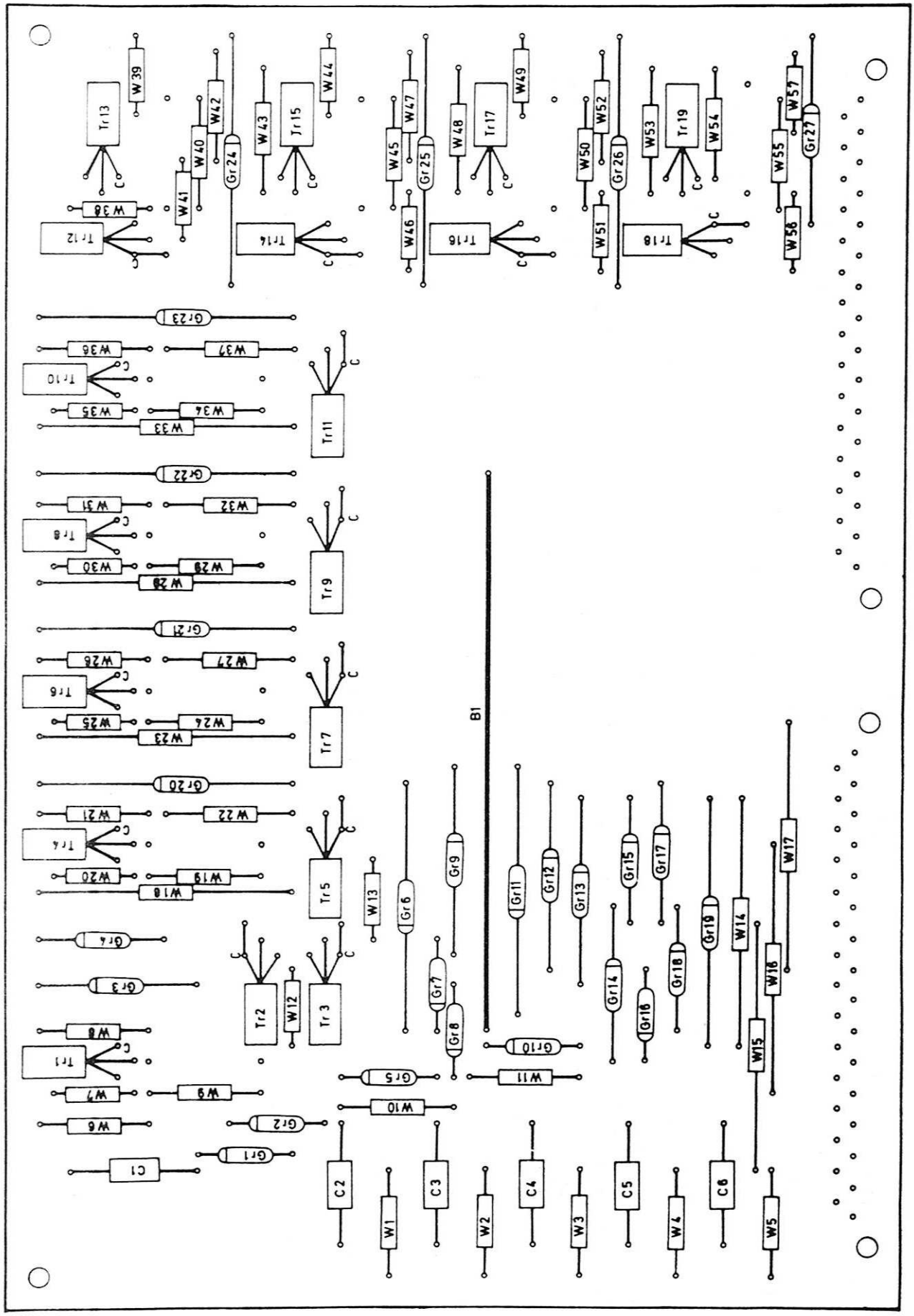
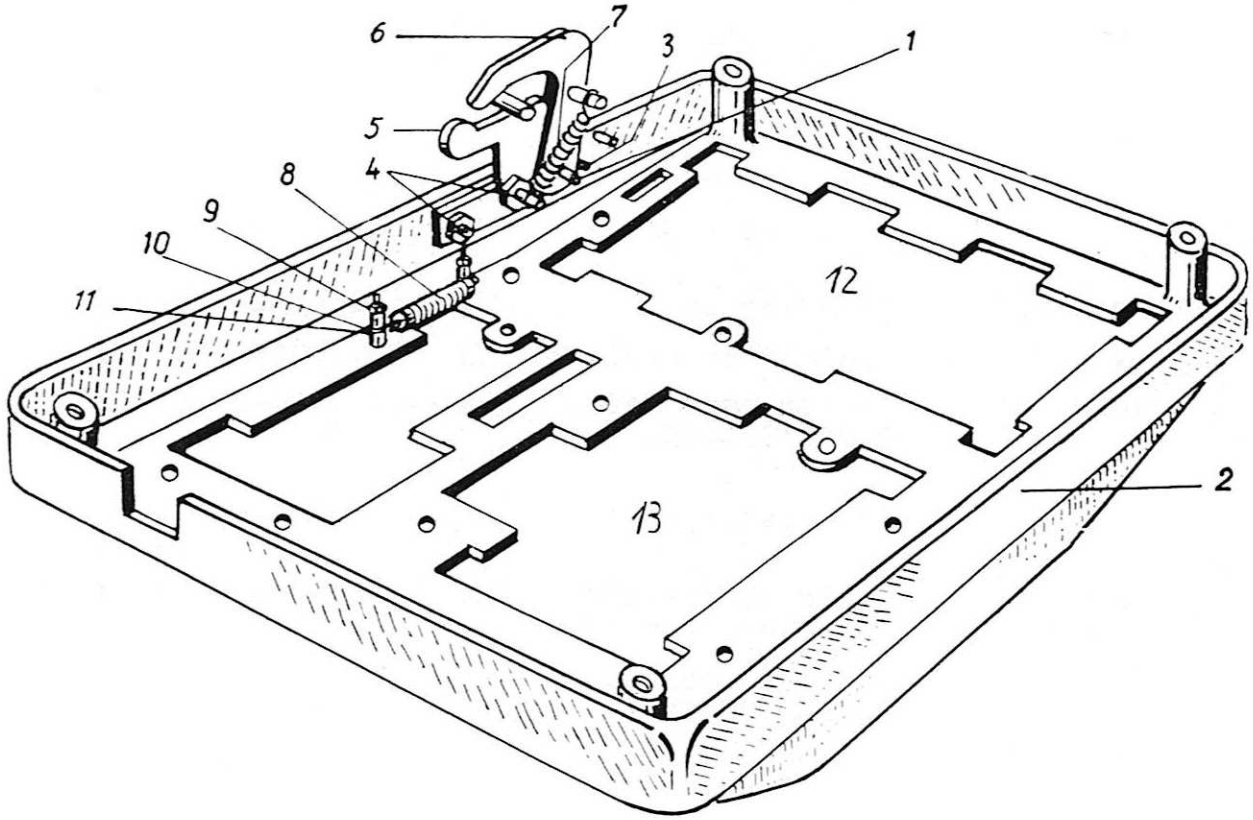

B1
C1
C2
C3
C4
C5
C6
Gr1
Gr2
Gr3
Gr4
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Gr6
Gr7
Gr8
Gr9
Gr10
Gr11
Gr12
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W54
W55
W56
W57

Table 23

| Item #. | Qty | Description | Part # | Ident |
|---|---|---|---|---|
| 1 | 1 | Printed circuit board #12 | 05-220-7012-3 | |
| 2 | 2 | 31-pin multipole connector | 00-445-9560-3 | |
| 3 | 4 | Hollow rivet 3x0,25x8 | 00-224-0151-3 | |
| 4 | 4 | Washer 3,2 | 05-000-0894-3 | |
| 6 | 10 | Transistor BSY79 ß=30 | 00-555-9752-2 | Tr2,3,5,7, 9,11,12,14, 16,18 |
| 7 | 1 | Transistor SA25 ß=72...166 | 00-555-9527-2 | Tr1 |
| | or | Transistor GS121e | 00-555-3310-6 | |
| 8 | 17 | Diode AC40 | 00-560-9525-3 | Gr1,2,5-19 |
| 9 | 10 | Rectifier diode | 00-560-9724-7 | Gr3,4,20-27 |
| 10 | 6 | Paper capacitor 0,047/63-445 | 00-421-3534-8 | C1-6 |
| 11 | 8 | Transistor GS121B | 00-555-3307-5 | Tr4,6,8,10, 13,15,17,19 |
| 12 | 4 | Film resistor 470 ohm 10% 0,05W | 00-411-0676-2 | W11,14,16,17 |
| 13 | 2 | Film resistor 100 ohm 10% 0,05W | 00-411-0682-6 | W10,15 |
| 14 | 9 | Film resistor 4,7k ohm 10% 25.311 | 00-401-0002-6 | W8,21,26,31, 36,42,47,52, 54 |
| 15 | 14 | Film resistor 10k ohm 10% 0,05W | 00-411-0739-4 | W1-6,18,23, 28,33,39,44, 49,57 |
| 16 | 19 | Film resistor 12k ohm 10% 0,05W | 00-411-0742-5 | W9,12,13,19, 22,24,27,29, 32,34,37,40, 41,45,46,50, 51,55,56 |
| 17 | 9 | Film resistor 68k ohm 10% 0,05W | 00-411-0775-5 | W7, 20,25,30, 35,38,43,48, 53 |

Table 24



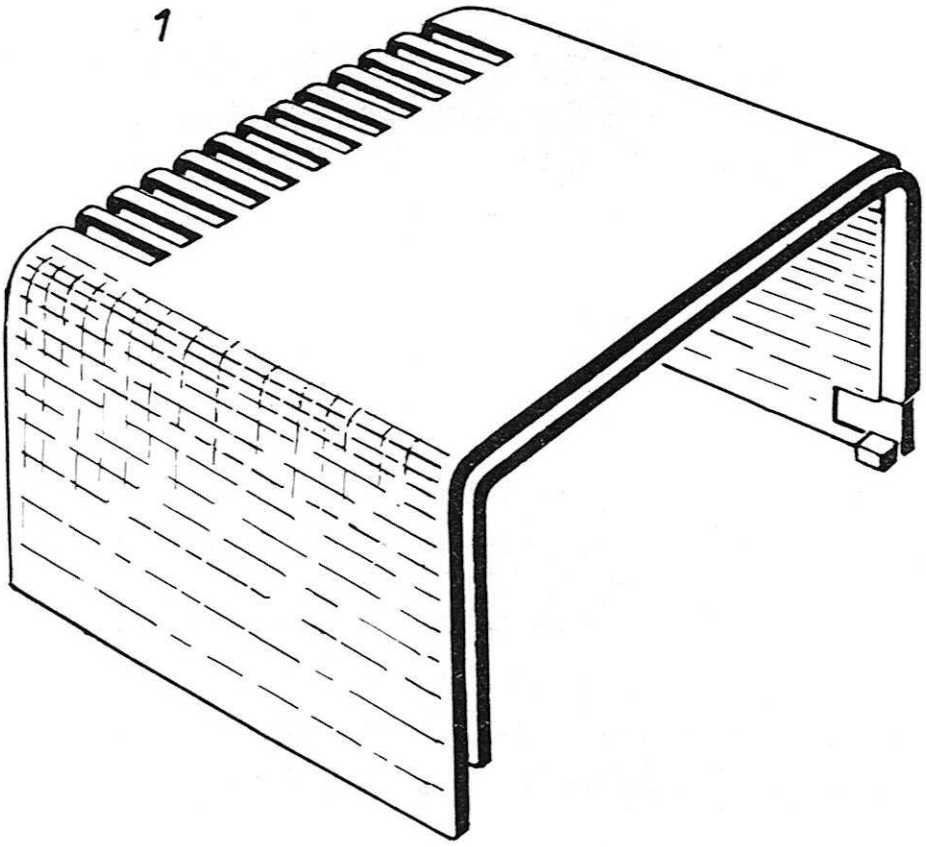

Baseplate

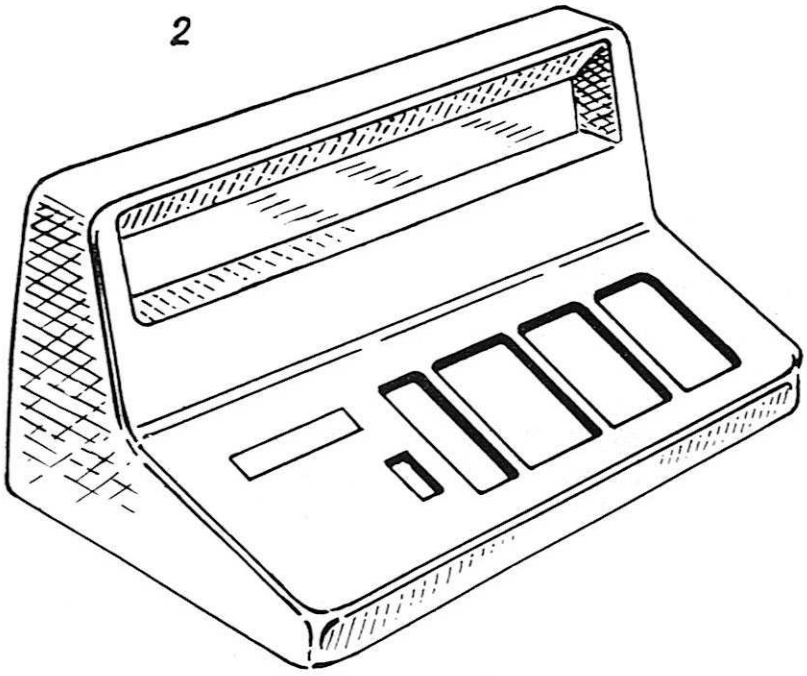
Table 24

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| 1 | 2 | 00-218-2545-6 | Tap rivet |
| 2 | 1 | 06-220-3101-7 | Baseplate * |
| 3 | 4 | 05-220-3022-0 | Mounting screw |
| 4 | 2 | 05-220-3027-8 | Mounting screw |
| 5 | 1 | 05-220-3023-7 | Retaining piece, left |
| | 1 | 05-220-3024-5 | Retaining piece, right |
| 6 | 1 | 06-220-3026-6 | Detent latch, left |
| | 1 | 06-220-3025-8 | Detent latch, right |
| 7 | 2 | 05-000-2586-4 | Tension spring 0,5-4—30 |
| 8 | 1 | 00-405-1552-0 | Film resistor 22 ohm 14x540g 10 TGL 200-8041 |
| 9 | 2 | 00-201-5425-1 | Cheese head screw M3x20 |
| 10 | 2 | 00-468-4432-1 | Solder tag 1A 6C |
| 11 | 2 | 00-468-1227-5 | Insulating bush |
| 12 | 1 | 05-220-3003-2 | Cover plate |
| 13 | 1 | 05-223-2006-0 | Cover plate |

* The baseplate is only on special order, under application of the old baseplate, delivered.

Table 25



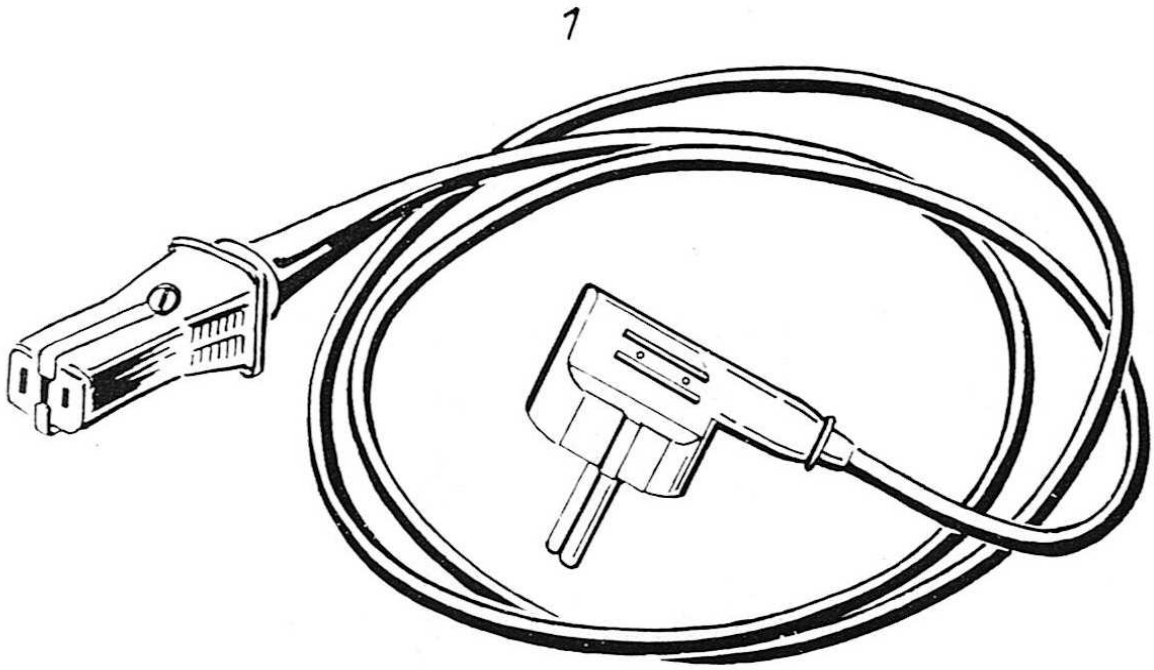



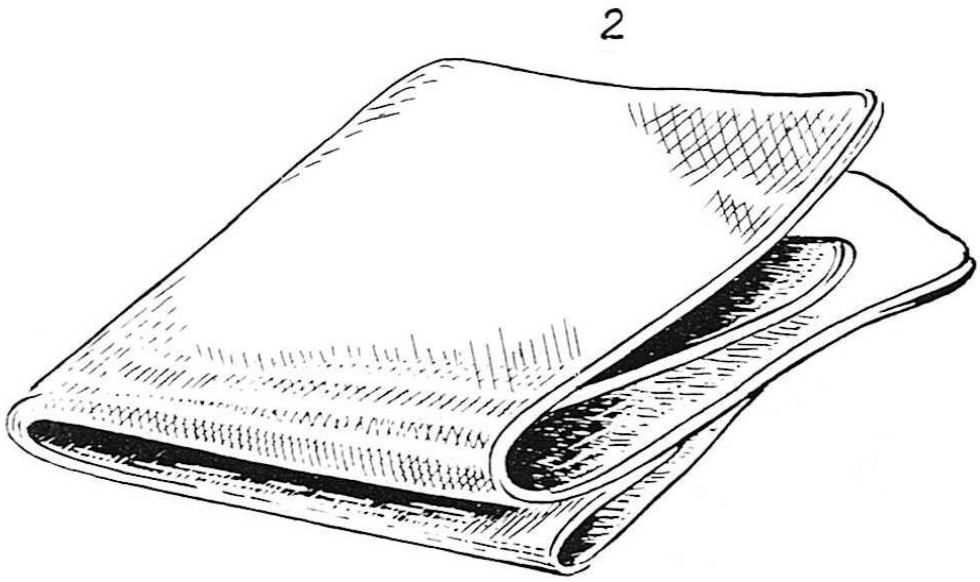

**Casing**

Table 25

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| 1 | 1 | 05-220-3003-6 | Cover |
| 2 | 1 | 06-220-3002-4 | Keyboard cover |

Table 25




**Accessories**

Table 26

| Item #. | Qty | Part # | Description |
|---|---|---|---|
| 1 | 1 | 00-803-9013-0 | Connecting cable assembly |
| | 1 | 00-803-9014-7 | Connecting cable export France |
| | 1 | 00-803-9015-5 | Connecting cable assembly Export CSSR |
| | 1 | 00-803-9025-4 | Connecting cable assembly Export England |
| 2 | 1 | 00-825-0090-7 | Dust cover |
| no | 1 | 00-435-0128-0 | Fuse insert F1,6 |
| picture | 1 | | TGL 0-41571 B1. 1 |
| “ | 1 | 00-435-0350-6 | Fuse insert T500 TGL 6-41571 Bl.3 |
| “ | 1 | 00-735-7251-2 | Bag FOS 63x93 TGL 7-1023 Bl.1 |

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# Complete parts list

| Part # | Description | Table | Qty |
|---|---|---|---|
| 00-201-3405-3 | Cheese head screw M2x10 | 1 | 4 |
| 00-201-3512-0 | Cheese head screw M2,6x8 | 4 | 10 |
| 00-201-3662-7 | Cheese head screw M3x4 | 4 | 2 |
| 00-201-3572-3 | Cheese head screw M3x5 | 6 | 4 |
| 06-201-3585-5 | Cheese head screw M3x8 | 2 | 8 |
| 00-201-3688-5 | Cheese head screw M3x8 | 3 | 4 |
| 00-201-3704-1 | Cheese head screw M3x12 | 1 | 12 |
| 06-201-3875-8 | Cheese head screw M4x10 | 9 | 5 |
| 00-201-4057-6 | Cheese head screw M6x14 | 8 | 17 |
| 00-201-5412-2 | Cheese head screw M3x16 | 6 | 12 |
| 00-201-5425-1 | Cheese head screw M3x20 | 7 | II,4 |
| 00-203-0629-5 | Fillister-head screw M3x6 | 11 | 32 |
| 00-273-1564-6 | Fillister-head screw M3x16 | 7 | 8 |
| 00-203-1584-7 | Fillister-head screw M3x10 | 9 | 7 |
| 00-204-1592-2 | Countersunk screw M3x8 | 9 | 15 |
| 00-206-0400-2 | Grub Screw | 4 | 4 |
| 00-212-0899-7 | Hexagon nut M3 | 11 | 2 |
| 00-212-1057-3 | Hexagon nut M3 | 3 | 13 |
| 00-218-2545-6 | Tap rivet | 24 | 1 |
| 00-224-0151-3 | Hollow rivet 3x0,25x8 | 12 | 3 |
| 00-225-0235-8 | Washer 3,2 | 6 | 3 |
| 00-225-3097-2 | Lock washer | 1 | 13 |
| 00-227-0716-0 | Spacer 3,6x7h 11 | 1 | 9 |
| 00-400-9955-8 | Film resistor 4,7 ohm 10% | 3 | 15 |
| 00-400-9971-3 | Film resistor 15 ohm 10% | 12 | 32 |
| 00-400-9990-5 | Film resistor 560 ohm 10% | 10 | 22 |
| 00-400-9992-2 | Film resistor 820 ohm 10% 25.311 | 12 | 36 |
| 00-400-9993-0 | Film resistor 1K ohm 10% | 10 | 24 |
| 00-400-9994-7 | Film resistor 1,2k ohm 10% | 10 | 25 |
| 00-400-9995-5 | Film resistor 1, 5k ohm 10% | 13 | 27 |
| 00-400-9998-8 | Film resistor 2,7k ohm 10% | 10 | 27 |
| 00-401-6602-5 | Film resistor 4,7k ohm 10% | 23 | 14 |
| 00-401-0006-7 | Film resistor 10k ohm 10% | 12 | 40 |
| 00-401-6007-5 | Film resistor 12k ohm 10% | 12 | 42 |
| 00-401-0016-3 | Film resistor 68k ohm 10% | 12 | 44 |
| 00-401-6018-8 | Film resistor 100k ohm 10% | 22 | 21 |
| 00-401-0087-0 | Film resistor 100 ohm 5% | 12 | 33 |
| 00-401-0111-5 | Film resistor 1k ohm 5% | 10 | 23 |
| 00-401-0131-6 | Film resistor 6,8k ohm 5% | 12 | 38 |
| 00-401-0578-7 | Film resistor 47 ohm 10% | 5 | 7 |
| 00-401-0581-8 | Film resistor 82 ohm 10% | 5 | 6 |
| 00-401-0593-0 | Film resistor 820 ohm 10% | 18 | 24 |

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| Part # | Description | Table | Qty |
|---|---|---|---|
| 00-421-0024-1 | Electrolytic capacitor 05000/25 | 8 | 13 |
| 00-421-0061-0 | Electrolytic capacitor 100/150-665 | 8 | 12 |
| 00-421-0231-5 | Electrolytic capacitor 5/3  10 | 10 | 15 |
| 00-421-0305-1 | Electrolytic capacitor 20/15 | 10 | 17 |
| 00-421-0320-3 | Electrolytic capacitor 2/5010 | 16 | |
| 00-421-1161-3 | Electrolytic capacitor 1000/25 | 10 | 12 |
| 00-421-1166-2 | Electrolytic capacitor 1000/15 | 10 | 14 |
| 00-421-1171-8 | Electrolytic capacitor 500/25 | 10 | 13 |
| 00-421-3531-5 | Paper capacitor | 3 | 14 |
| 00-421-3534-8 | Paper capacitor 0,047/63-445 | 20 | 35 |
| 00-421-3535-6 | Paper capacitor 0,1/63-445 | 10 | 18 |
| 00-421-3536-4 | Paper capacitor 0,22/63-445 | 10 | 19 |
| 00-422-0182-4 | Interference suppression capacitor | 9 | 17 |
| 00-422-9411-1 | Insulating washer A 32 | 8 | 14 |
| 00-430-9522-5 | Neon lamp E 23/1 | 5 | 14 |
| 00-430-9991-1 | Telephone lamp 12V 0,05A | 5 | 15 |
| 00-430-9992-8 | Telephone lamp 12V 0,05A | 5 | 4 |
| 00-435-0128-0 | Fuse insert F1,6  TGL 0-41571 B1. 1 | 9 | 3 |
| 00-435-0348-3 | Fuse insert | 9 | 2 |
| 00-435-0350-6 | Fuse insert T500 TGL 6-41571 Bl.3 | 9 | 2 |
| 00-445-2096-5 | Connector plug | 9 | 14 |
| 00-445-6878-7 | Miniature plug 11-pin | 4 | 6 |
| 00-445-6896-3 | Miniature plug 20 pin | 3 | 9 |
| 00-445-6911-1 | Connector plug 32 pin | 5 | 9 |
| 00-445-6913-6 | Miniature plug 32-pin | 3 | 10 |
| 00-445-6933-7 | Miniature plug 32-pin | 11 | 6 |
| 00-445-6934-5 | Miniature socket 11-pin | 5 | 12 |
| 00-445-6949-0 | Socket connector B 20 | 5 | 6 |
| 00-445-5966-7 | Miniature plug contact | 11 | 3 |
| 00-445-9560-3 | 31-pin multipole connector | 12 | 2 |
| 00-460-1987-1 | Insulated sleeving | 21 | 39 |
| 00-458-1216-2 | Solder tag | 6 | 11 |
| 00-468-1227-5 | Insulating bush | 5 | 10 |
| 00-468-4432-1 | Solder tag 1A 6C | 7 | II,5 |
| 00-484-1222-6 | Sprung contact set | 3 | 11 |
| 00-560-3979-3 | Germanium diode GAZ17 | 15 | 11 |
| 00-555-1109-4 | Transistor SB20 | 12 | 16 |
| 00-555-3307-5 | Transistor GS121B | 23 | 11 |
| 00-555-3310-5 | Transistor SA25 | 14 | 7 |
| 00-555-8828-1 | Insulating washer | 7 | 5 |
| 00-555-9524-8 | Transistor SA25 | 10 | 2 |
| 00-555-9526-4 | Transistor SA25 | 15 | 8 |
| 00-555-9527-2 | Transistor SA25 | 10 | 3 |
| 00-555-9532-8 | Transistor SB20 | 12 | 14 |
| 00-555-9533-6 | Transistor SB20 | 12 | 15 |
| 00-555-9534-4 | Transistor SB20 | 12 | 16 |

| Part # | Description | Table | Qty |
|---|---|---|---|
| 00-555-9954-0 | Cable assembly | 12 | 11 |
| 00-555-9547-3 | Transistor SC20 | 12 | 17 |
| 00-555-9743-2 | Transistor | 6 | 8 |
| 00-555-9752-4 | Transistor BSY79 | 23 | 6 |
| 00-555-9975-8 | Transistor GS122 | 14 | 6 |
| 00-555-9976-6 | Transistor Gs122 | 14 | 6 |
| 00-560-1002-5 | Germanium Rectifier diode GY122 | 8 | 19 |
| 00-560-3307-2 | Germanium Rectifier diode GY100 | 10 | 6 |
| 00-560-3979-3 | Germanium diode GAZ17 | 10 | 5 |
| 00-560-3981-6 | Germanium diode GAZ17 | 13 | 13 |
| 00-560-6891-7 | Power diode SZ512 | 8 | 10 |
| 00-560-6933-1 | Silicon diode SZX18/6,8 | 10 | 8 |
| 00-560-6986-2 | Switching diode GAY60 | 10 | 7 |
| 00-560-9525-3 | Diode AC40 | 12 | 28 |
| 00-560-9558-3 | Display Indicator | 5 | 5 |
| 00-560-9639-1 | Rectifier diode SY203 | 8 | 2 |
| 00-560-9667-2 | Silicon-Planar-Diode SA403 | 12 | 55 |
| 00-560-9668-0 | Silicon-Planar-Diode SA403 | 13 | 51 |
| 00-560-9669-7 | Silicon-Planar-Diode SA403 | 13 | 52 |
| 00-560-9670-3 | Silicon-Planar-Diode SA403 | 13 | 53 |
| 00-560-9671-1 | Silicon-Planar-Diode SA403 | 13 | 54 |
| 00-560-9673-6 | Silicon-Planar-Diode SA403 | 14 | 36 |
| 00-560-9675-2 | Silicon-Planar-Diode SA403 | 17 | 46 |
| 00-560-9677-7 | Silicon-Planar-Diode SA403 | 12 | 56 |
| 00-560-9679-3 | Silicon-Planar-Diode SA403 | 12 | 57 |
| 00-560-9699-4 | Semiconductor diode GAY63 | 18 | 14 |
| 00-560-9724-7 | Rectifier diode KY130/150 | 22 | 12 |
| 00-735-7251-2 | Bag FOS 63x93  TGL 7-1023 Bl.1 | | |
| 00-803-0403-8 | Ferrite core memory 4x8x12 | 12 | 7 |
| 00-803-0871-6 | Telephone lamp | 10 | 42 |
| 00-803-1701-8 | Transistor socket | 12 | 6 |
| 00-803-1704-2 | Transistor socket | 6 | 7 |
| 00-803-6033-4 | Rotary switch | 4 | 1 |
| 00-803-6035-0 | Small step switch | 4 | 9 |
| 00-803-7005-5 | Microswitch | 1 | 6 |
| 00-803-7024-8 | Microswitch | 3 | 7 |
| 00-803-9013-0 | Mains cable assembly | 26 | 1 |
| 00-803-9014-7 | Mains cable assembly export France | 26 | 1 |
| 00-803-9015-5 | Mains cable assembly export CSSR | 26 | 1 |
| 00-803-9025-4 | Mains cable assembly export England | 26 | 1 |
| 00-811-0430-2 | Transistor pad | 13 | 49 |
| 00-812-0202-3 | Absorption disk for all keys | 2 | 14 |
| 00-814-0150-3 | Sliding sign | 9 | 22 |
| 00-825-0090-7 | Cover | 26 | 2 |

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| Part # | Description | Table | Qty |
|---|---|---|---|
| 05-220-3024-5 | Retaining piece, left | 24 | 5 |
| 05-220-3027-8 | Mounting screw | 24 | 4 |
| 05-220-5008-0 | Bracket | 5 | 2 |
| 05-220-7001-0 | Printed circuit board #1 | 12 | 1 |
| 05-220-7002-5 | Printed circuit board #2 | 13 | 1 |
| 05-220-7003-5 | Printed circuit board #3 | 14 | 1 |
| 05-220-7004-3 | Printed circuit board #4 | 15 | 1 |
| 05-220-7005-1 | Printed circuit board #5 | 16 | 1 |
| 05-220-7006-8 | Printed circuit board #6 | 17 | 1 |
| 05-220-7007-6 | Printed circuit board #7 | 18 | 1 |
| 05-220-7008-4 | Printed circuit board #8 | 19 | 1 |
| 05-220-7009-2 | Printed circuit board #9 | 20 | 1 |
| 05-220-7010-7 | Printed circuit board #10 | 21 | 1 |
| 05-220-7011-5 | Printed circuit board #11 | 22 | 1 |
| 05-220-7012-3 | Printed circuit board #12 | 23 | 1 |
| 05-220-7015-6 | PCB guide board, front | 11 | 27 |
| 05-220-7016-4 | PCB guide board, rear | 11 | 29 |
| 05-220-7017-2 | Side panel, left | 11 | 14 |
| 05-220-7022-8 | Mounting plate, left | 11 | 1 |
| 05-220-7023-6 | Threaded spacer | 11 | 28 |
| 05-220-7026-0 | Mounting plate, right | 11 | 10 |
| 05-220-7042-0 | Retaining bracket | 11 | 13 |
| 05-220-8025-4 | Thermistor mount | 6 | 9 |
| 00-382-2715-3 | Printed circuit board | 8 | 18 |
| 06-220-1008-6 | Key actuator for Lö | 2 | 11 |
| 06-220-1010-0 | Side panel, right | 1 | 8 |
| 06-220-1078-5 | Control wheel | 1 | 3 |
| 06-220-1079-3 | Dial | 4 | 5 |
| 06-220-1099-4 | Cable loom | 3 | 8 |
| 06-220-3002-4 | Keyboard cover | 25 | 2 |
| 06-220-3025-8 | Detent latch, right | 24 | 6 |
| 06-220-3026-6 | Detent latch, left | 24 | 6 |
| 06-220-3101-7 | Baseplate | 7 | 2 |
| 06-220-5001-1 | Display framework | 7 | 11 |
| 06-220-5003-6 | Cable loom assembly | 5 | 10 |
| 06-220-7018-5 | Side panel, right | 11 | 11 |
| 06-220-7044-1 | Short circuit plug | 11 | 4 |
| 06-220-8009-0 | Fuse holder | 9 | 11 |
| 06-220-8011-3 | Tag board | 9 | 21 |
| 12-382-2715-7 | Rectifier bracket assembly | 8 | 15 |
| 12-382-2717-3 | Rectifier bracket assembly | 8 | 16 |
| 00-220-7041-7 | Transformer assembly | 12 | 9 |
| 00-220-7042-5 | Transformer assembly | 12 | 10 |
| 00-220-7043-3 | Transformer assembly | 13 | 6 |
| 00-220-7048-2 | Transformer assembly | 13 | 6 |
| 00-220-7049-0 | Transformer assembly | 13 | 5 |
| 00-220-7050-5 | Cable assembly | 12 | 11 |
| 00-220-8024-2 | Mains voltage selection switch assembly | 9 | 20 |

| Part # | Description | Table | Qty |
|---|---|---|---|
| 16-220-1079-4 | Complete wiring harness | 4 | 8 |
| 18-220-1095-5 | Complete rotary switch assembly | 4 | - |
| 18-220-1195-6 | Small step switch assembly | 4 | - |
| 18-220-7030-6 | Wiring harness assembly | 11 | 8 |
| 20-220-1097-7 | Keyboard circuit board assembly | 3 | - |
| 20-220-5602-7 | Printed circuit board assembly | 5 | 1 |
| 20-220-7001-4 | Board 1 plug in unit | 11 | 26 |
| 20-220-7002-2 | Board 2 plug in unit | 11 | 25 |
| 20-220-7003-0 | Board 3 plug in unit | 11 | 24 |
| 20-220-7004-7 | Board 4 plug in unit | 11 | 23 |
| 20-220-7005-5 | Board 5 plug in unit | 11 | 22 |
| 20-220-7006-3 | Board 6 plug in unit | 11 | 21 |
| 20-220-7007-1 | Board 7 plug in unit | 11 | 20 |
| 20-220-7008-8 | Board 8 plug in unit | 11 | 19 |
| 20-220-7009-6 | Board 9 plug in unit - | 11 | 18 |
| 20-220-7010-2 | Board 10 plug in unit | 11 | 17 |
| 20-220-7011-0 | Board 11 plug in unit | 11 | 16 |
| 20-220-7012-7 | Board 12 plug in unit | 11 | 15 |
| 20-220-8008-1 | Transformer assembly | 8 | 1 |
| 22-220-1096-1 | Keyboard assembly | 2 | - |
| 22-220-8001-7 | Power supply rack | 6 | 1 |
| 22-220-8007-4 | Small heatsink assembly | 9 | 1 |
| 22-220-8015-4 | Power supply PCB | 6 | 5 |
| 22-220-8016-2 | Wiring harness | 6 | 2 |
| 22-220-8018-7 | Earth cable assembly | 9 | 13 |
| 22-220-8019-5 | Earth cable assembly | 9 | 12 |
| 30-220-5000-3 | Display assembly | 5 | - |
| 30-226-7000-7 | Arithmetic unit assembly | 11 | - |
| 30-220-8000-0 | Power supply assembly | 6 | - |

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