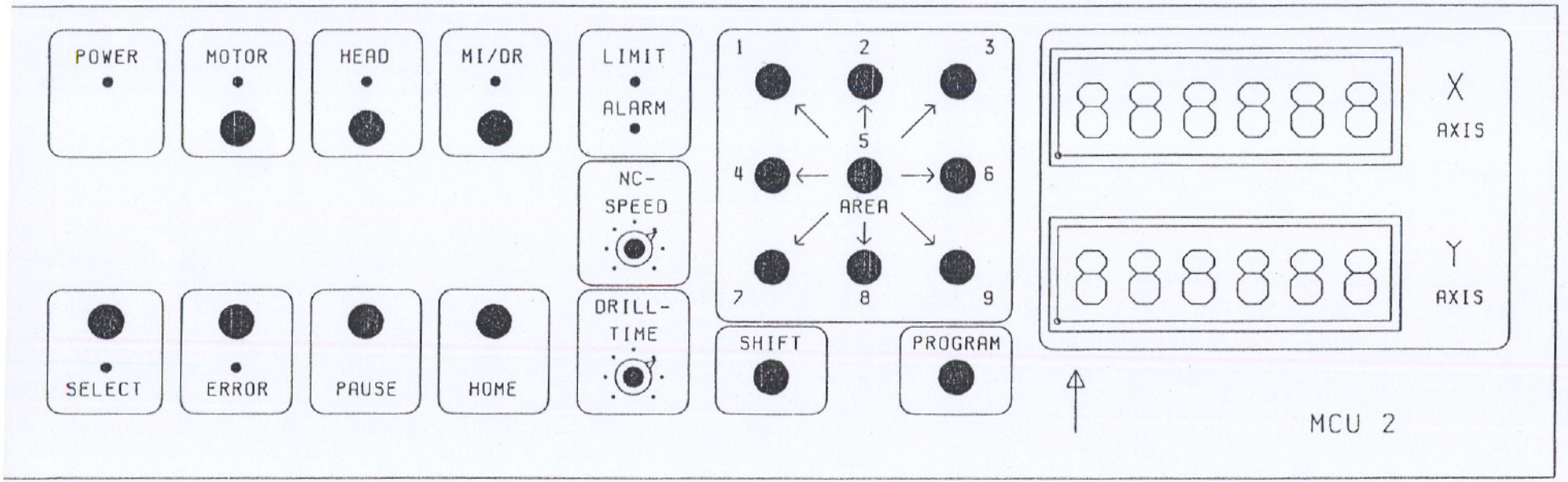
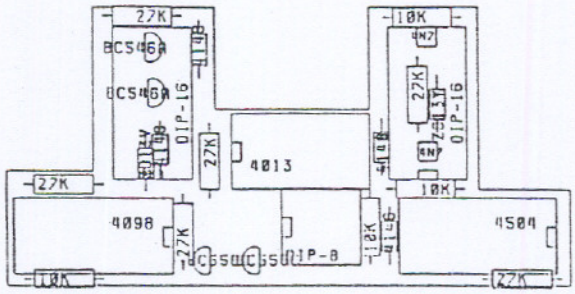
SCHALTPLÄNE

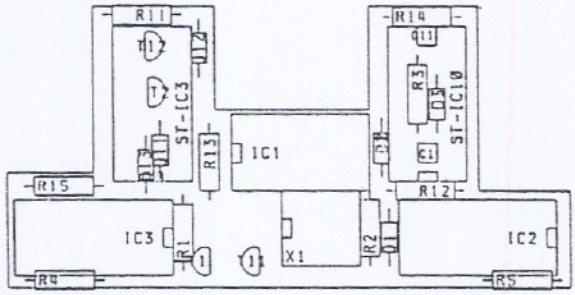
HI-P / LC

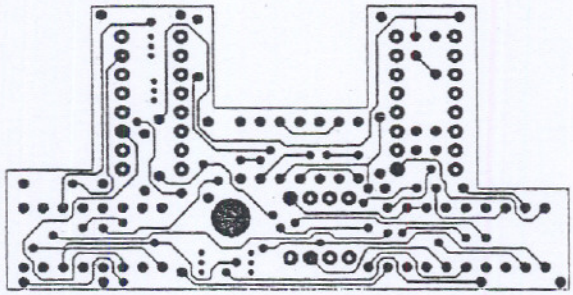
HF - ANST

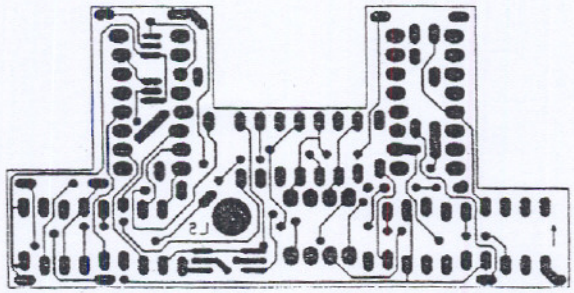
101 - MP

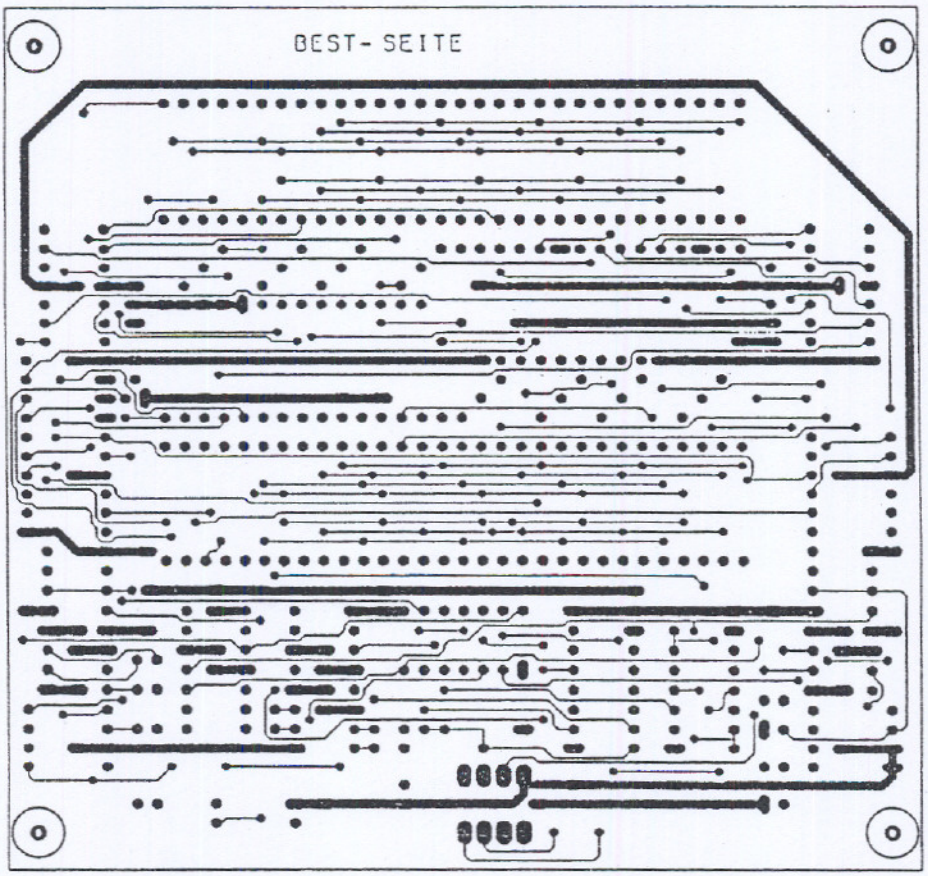

POWER
MOTOR
HEAD
MI/DR
LIMIT
ALARM
NC-
SPEED
DRILL-
TIME
SELECT
ERROR
PAUSE
HOME
1
2
3
4
5
6
7
8
9
AREA
SHIFT
PROGRAM
X
AXIS
Y
AXIS
MCU 2

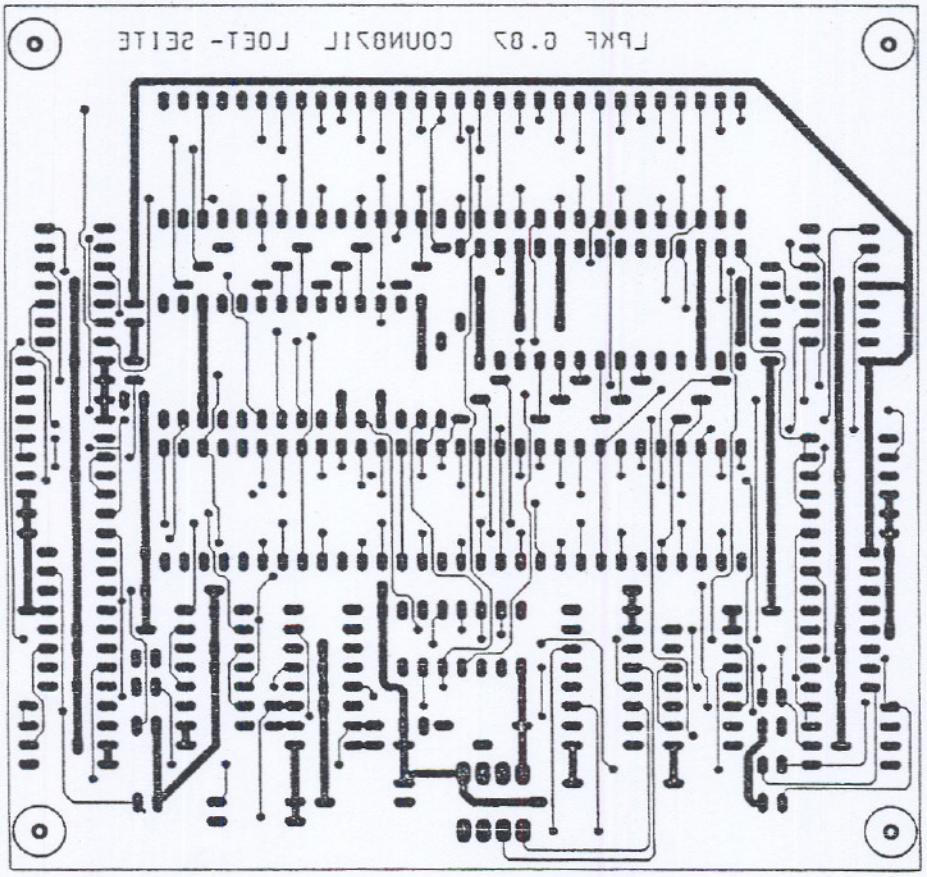

27K
BC546A
BC546A
DIP-16
27K
4013
10K
DIP-16
27K
10K
4098
27K
DIP-8
10K
4504
10K
27K

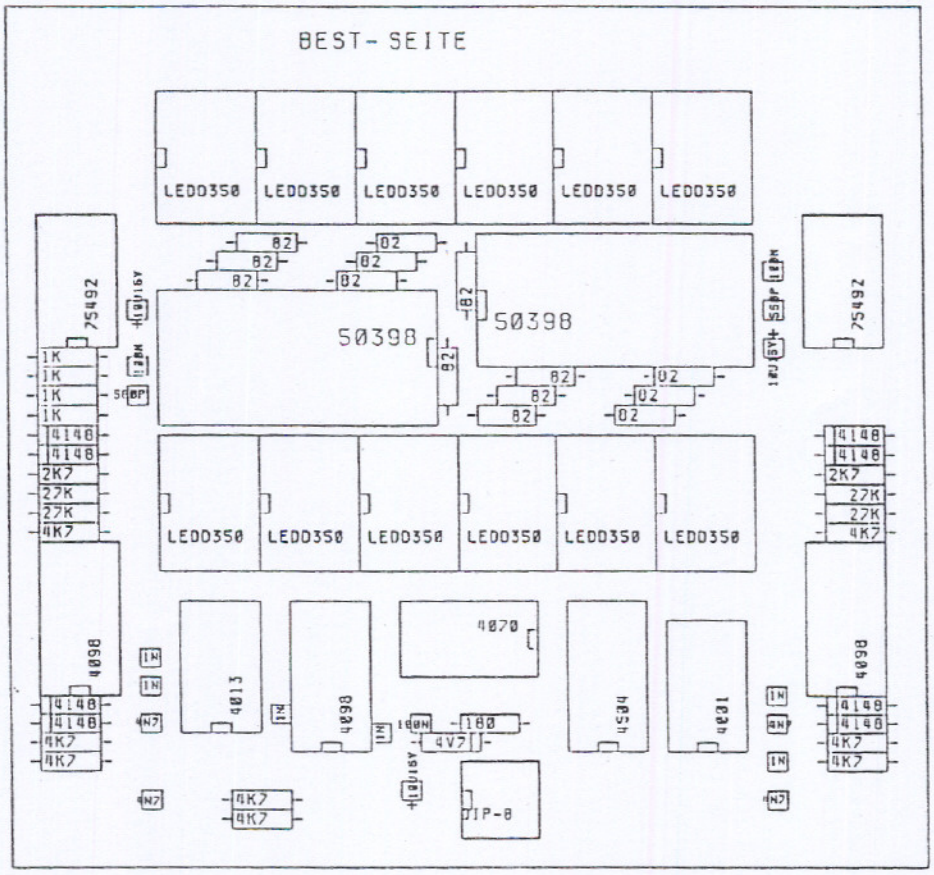

R11
ST-IC3
R13
IC1
R14
R3
ST-IC10
R15
R12
IC3
R1
X1
R2
IC2
R4
R5

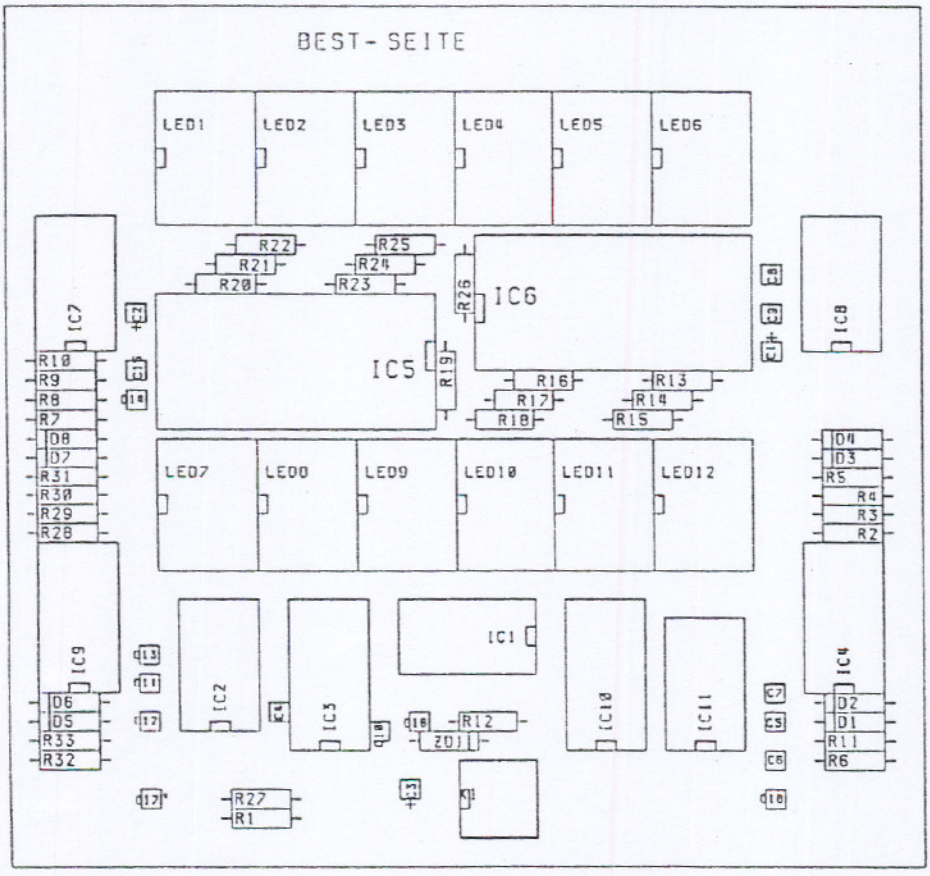


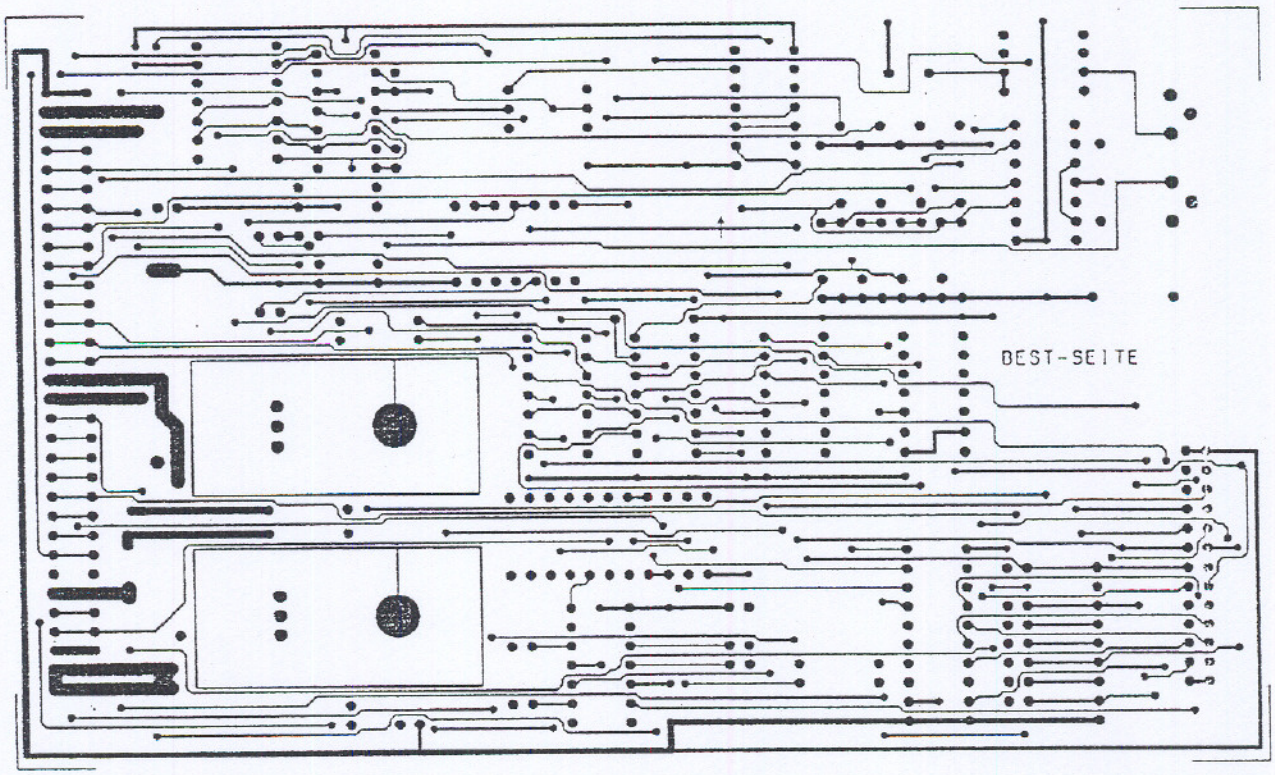


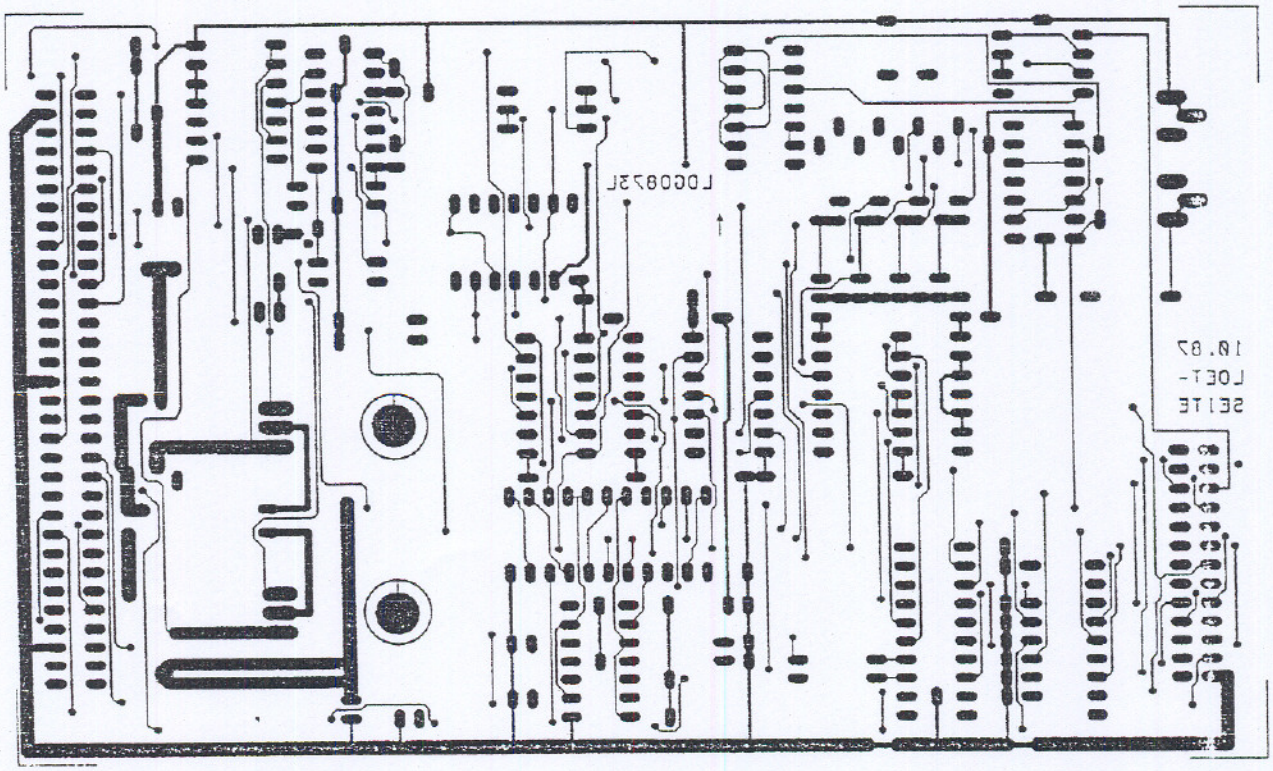

BEST- SEITE


LPKF 0.07 COUNB7IL LOET- SEITE

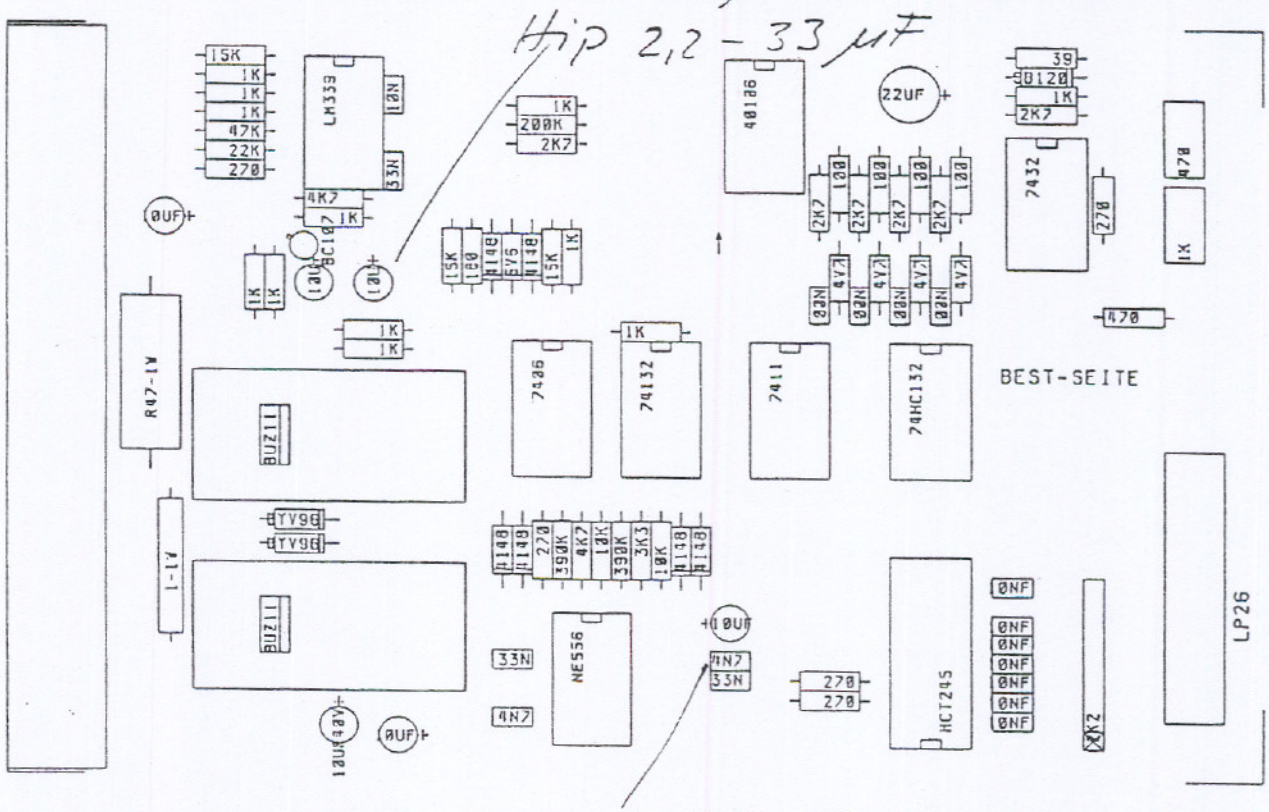

BEST- SEITE
LED0350
LED0350
LED0350
LED0350
LED0350
LED0350
82
82
82
02
02
02
50398
50398
82
82
82
82
02
02
02
02
75492
75492
1K
1K
1K
1K
4148
4148
2K7
27K
27K
4K7
4148
4148
2K7
27K
27K
4K7
LED0350
LED0350
LED0350
LED0350
LED0350
LED0350
4098
4098
4148
4148
4K7
4K7
4148
4148
4K7
4K7
4013
4093
4070
4584
4031
100
4V7
IP-8
4K7
4K7


BEST- SEITE
LED1
LED2
LED3
LED4
LED5
LED6
R22
R21
R20
R25
R24
R23
R26
IC6
IC5
R19
R16
R17
R18
R13
R14
R15
IC7
IC8
R10
R9
R8
R7
D8
D7
R31
R30
R29
R28
LED7
LED8
LED9
LED10
LED11
LED12
D4
D3
R5
R4
R3
R2
IC9
IC4
D6
D5
R33
R32
IC2
IC3
IC1
IC10
IC11
R12
ZD1
D2
D1
R11
R6
R27
R1


BEST-SEITE

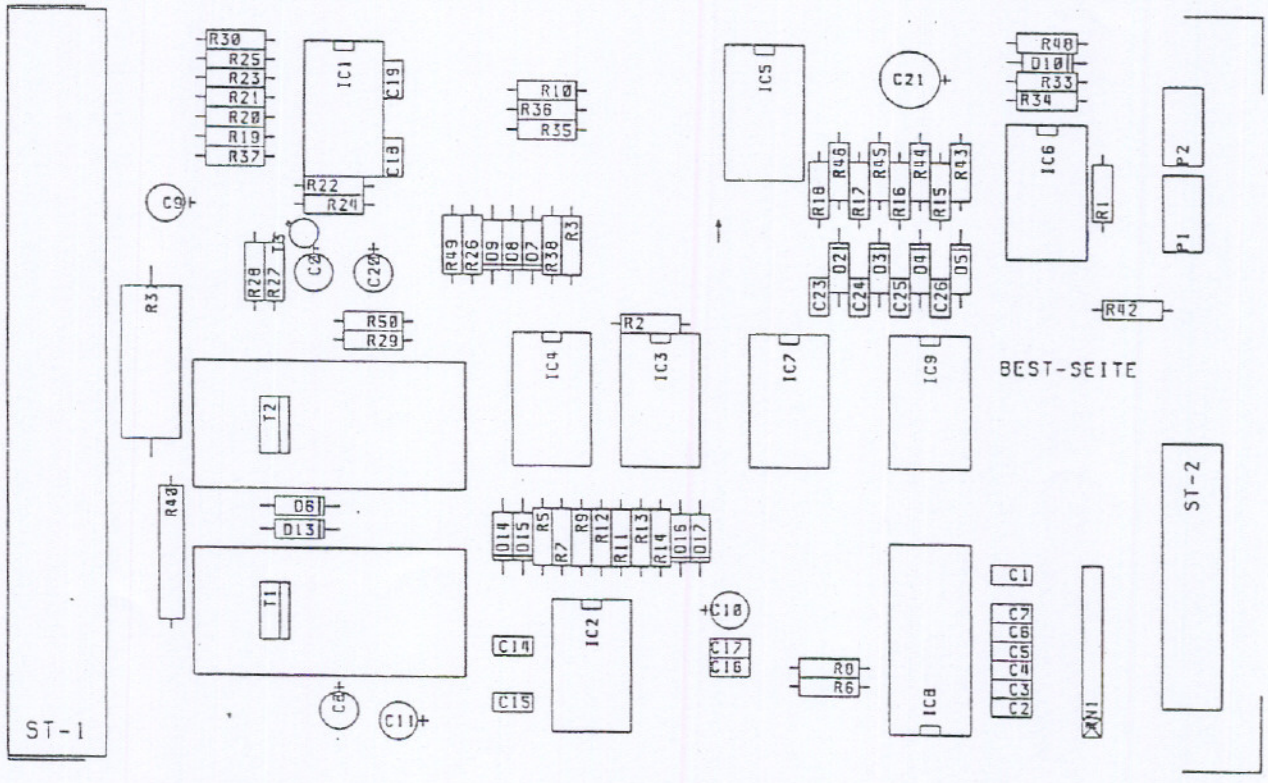

LOCOBAZL
10.87
LOET-
SEITE

LC 10µF
Hip 2,2 – 33 µF



LC

LC 22nF
Hip 4,7nF

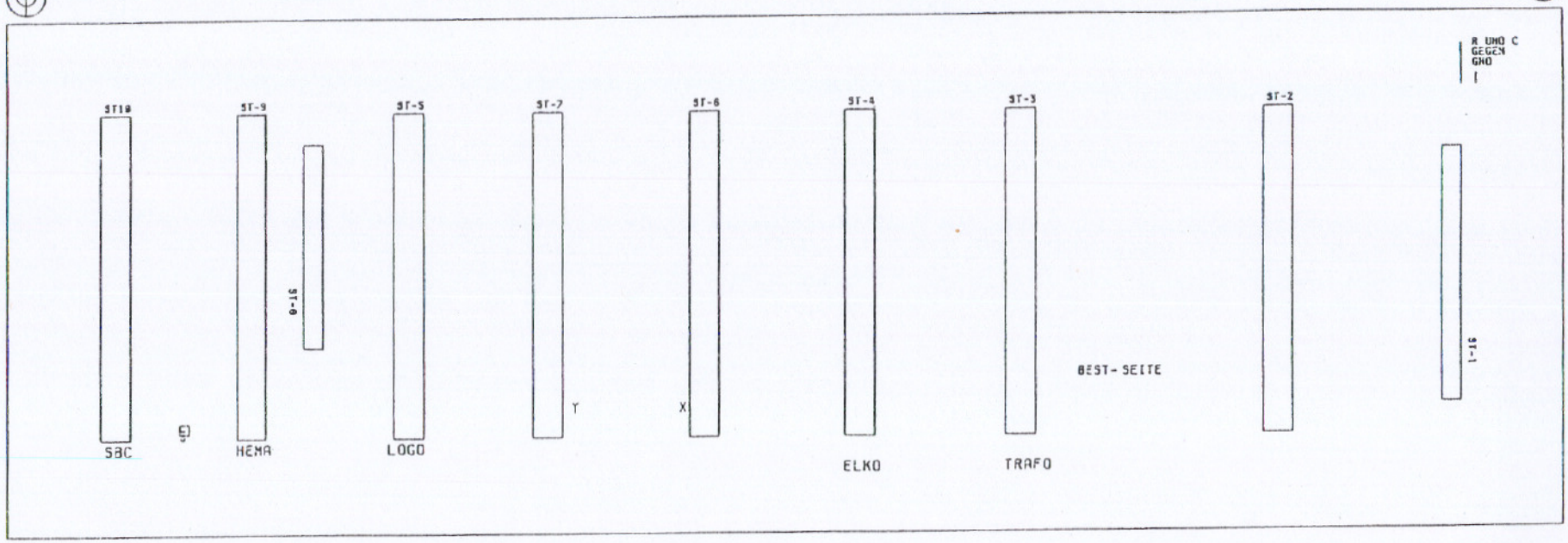


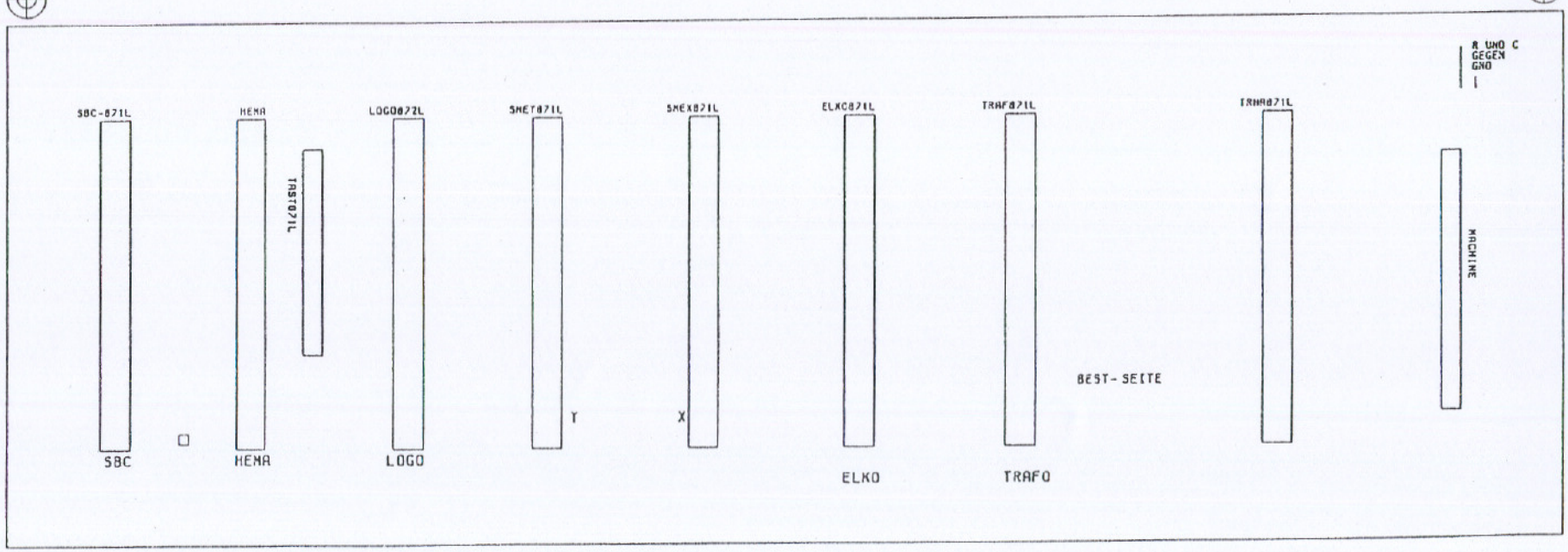
BEST.-SEITE

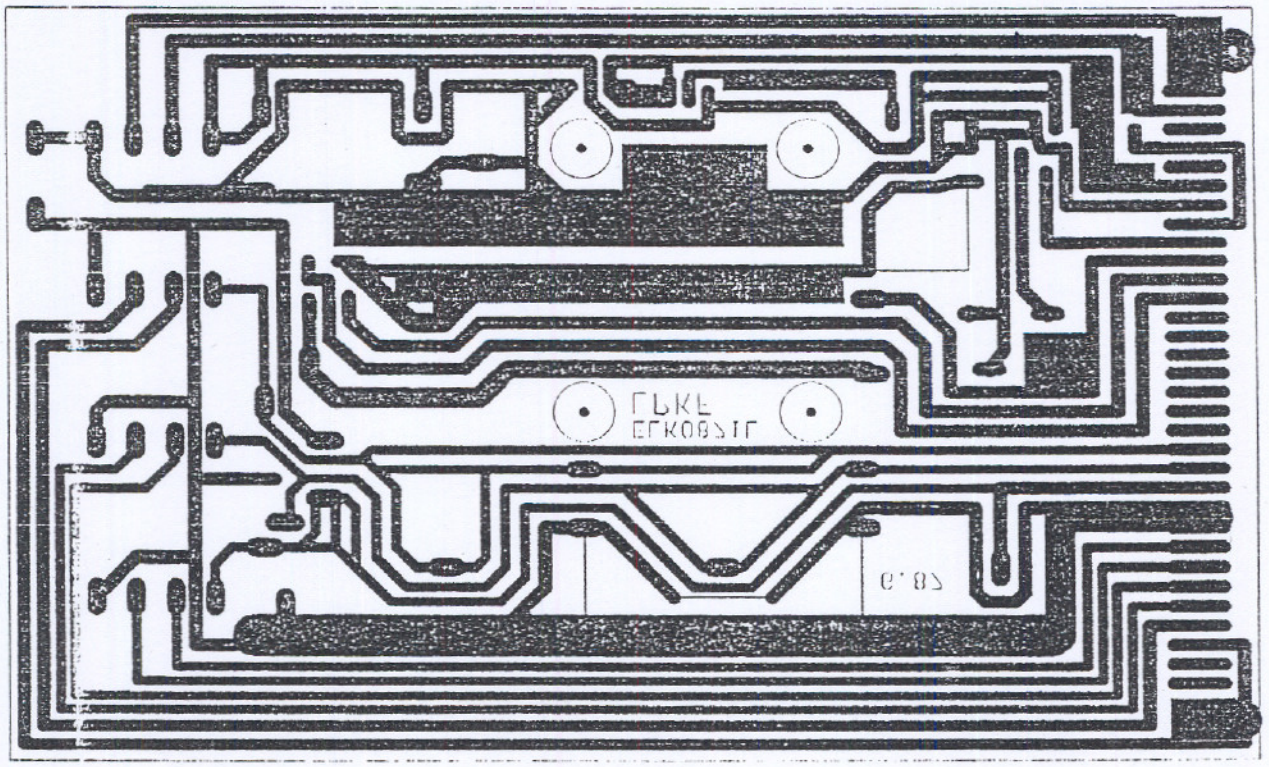
BEST.-SEITE
INTERNI
J130

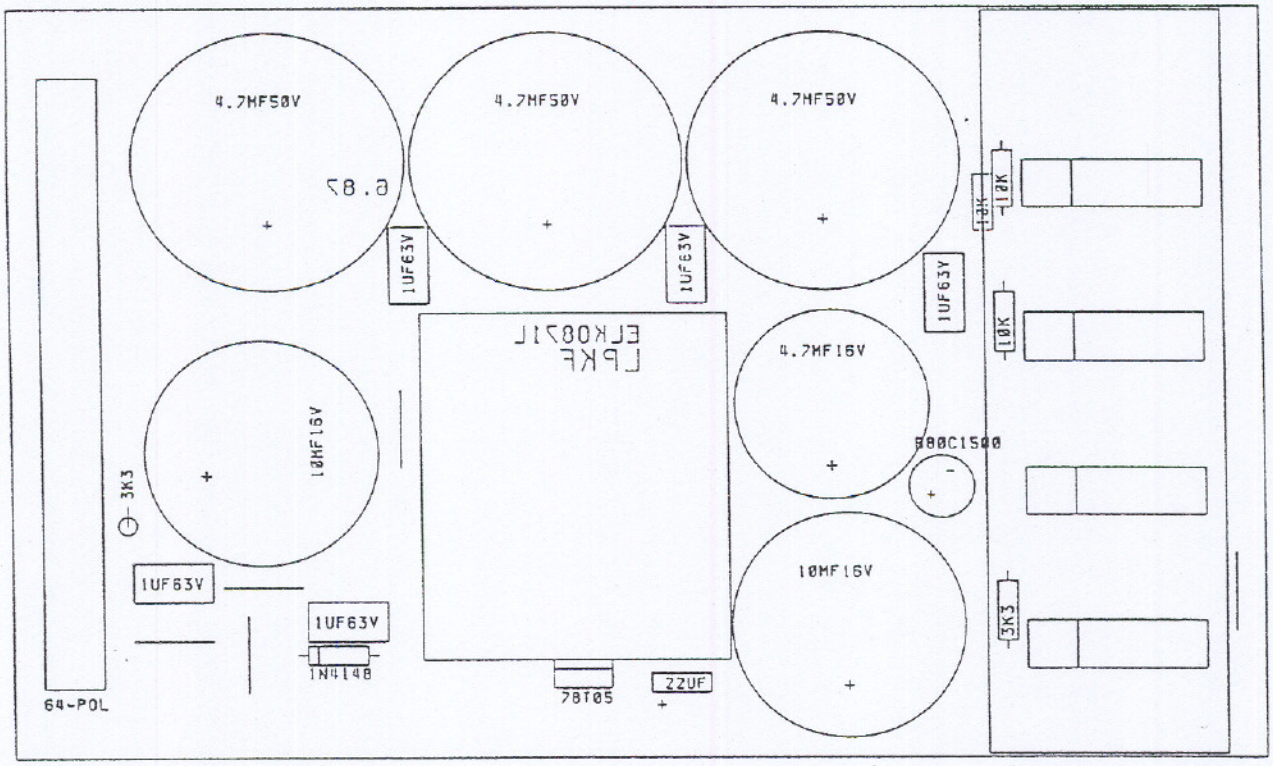
ST-1
BEST.-SEITE

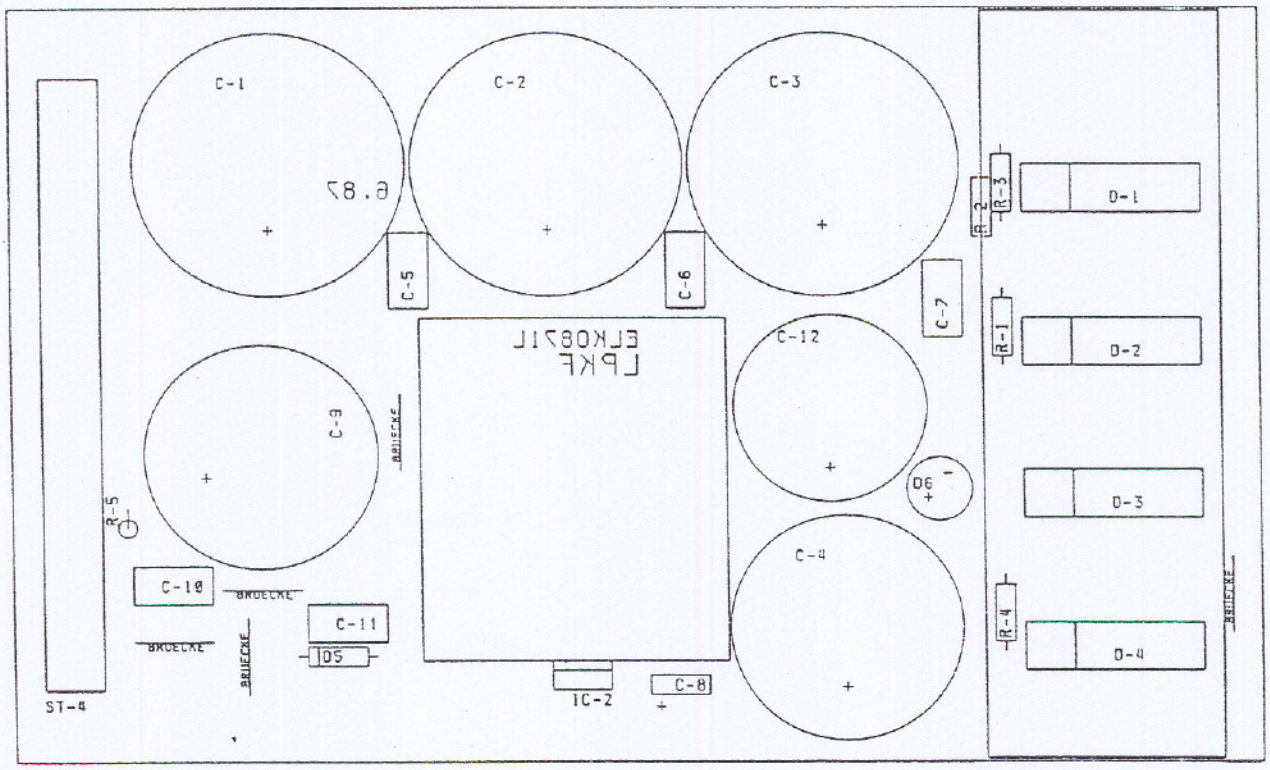
TAST871L
BEST.-SEITE

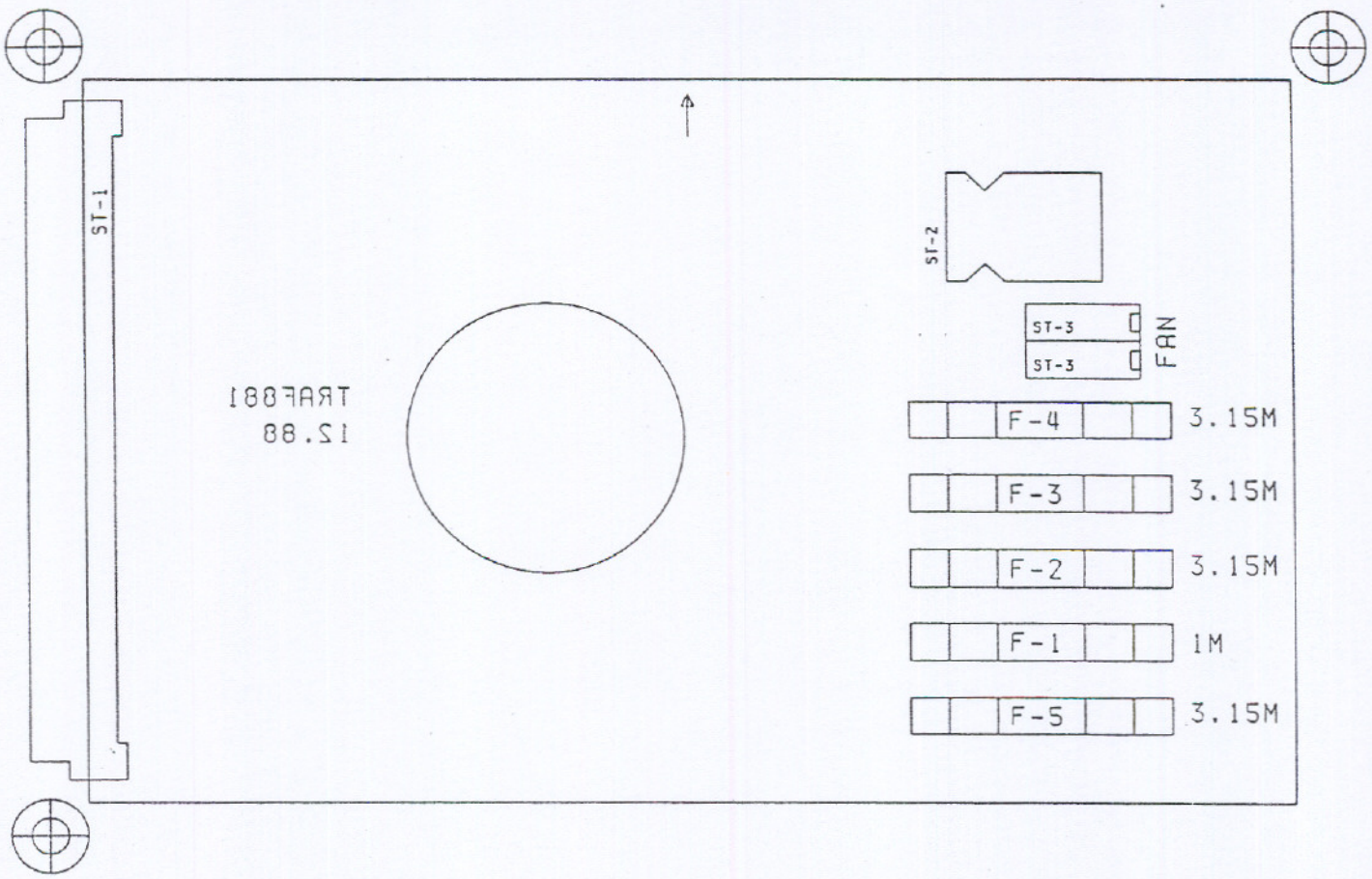

R UND C
GEGEN
GND
ST10
ST-9
ST-5
ST-7
ST-6
ST-4
ST-3
ST-2
ST-8
ST-1
BEST- SEITE
Y
X
SBC
HEMA
LOGO
ELKO
TRAFO

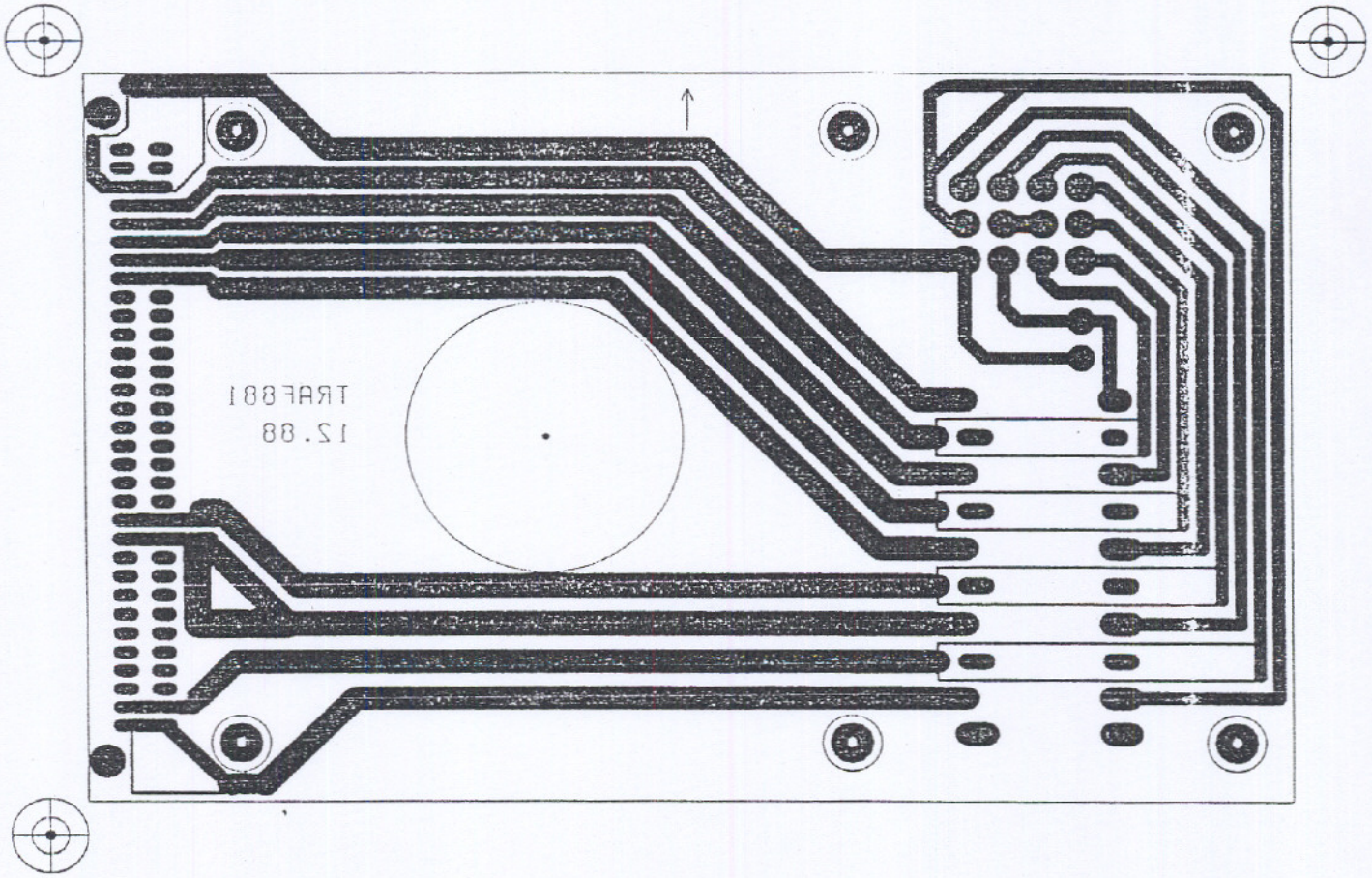

R UND C
GEGEN
GND
SBC-871L
HEMA
LOGO872L
SMET871L
SMEX871L
ELKO871L
TRAF871L
IRNA871L
TAST871L
MACHINE
BEST- SEITE
Y
X
SBC
HEMA
LOGO
ELKO
TRAFO



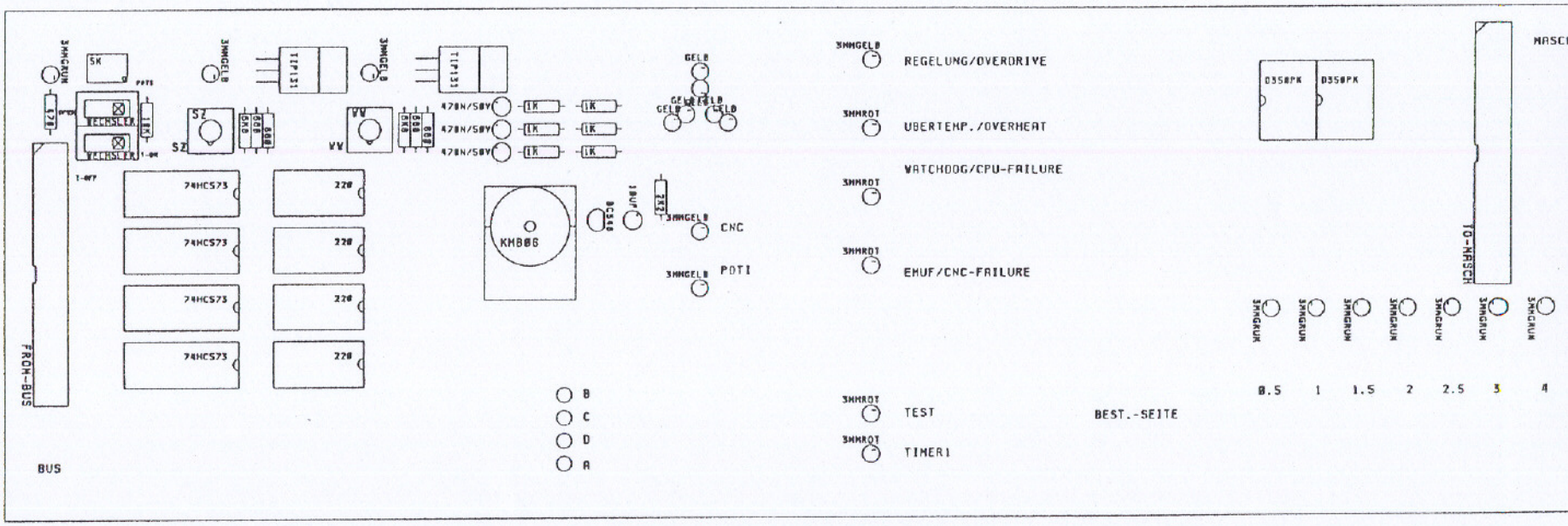

4.7MF50V
4.7MF50V
4.7MF50V
1UF63V
1UF63V
1UF63V
10K
10K
10K
4.7MF16V
10MF16V
10MF16V
3K3
3K3
1UF63V
1UF63V
1N4148
78T05
22UF
64-POL

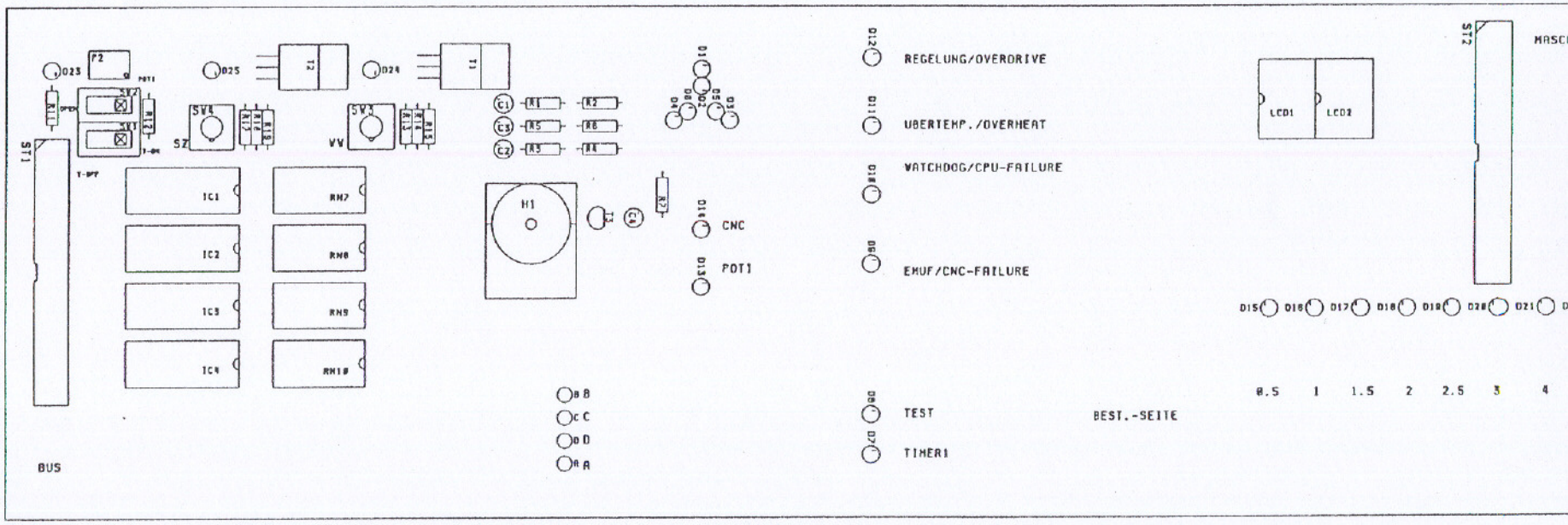

C-1
C-2
C-3
C-5
C-6
C-7
C-12
C-9
C-4
C-10
C-11
C-8
D-1
D-2
D-3
D-4
R-1
R-2
R-3
R-4
R-5
D5
IC-2
ST-4
BRUECKE
BRUECKE
BRUECKE
BRUECKE
BRUECKE

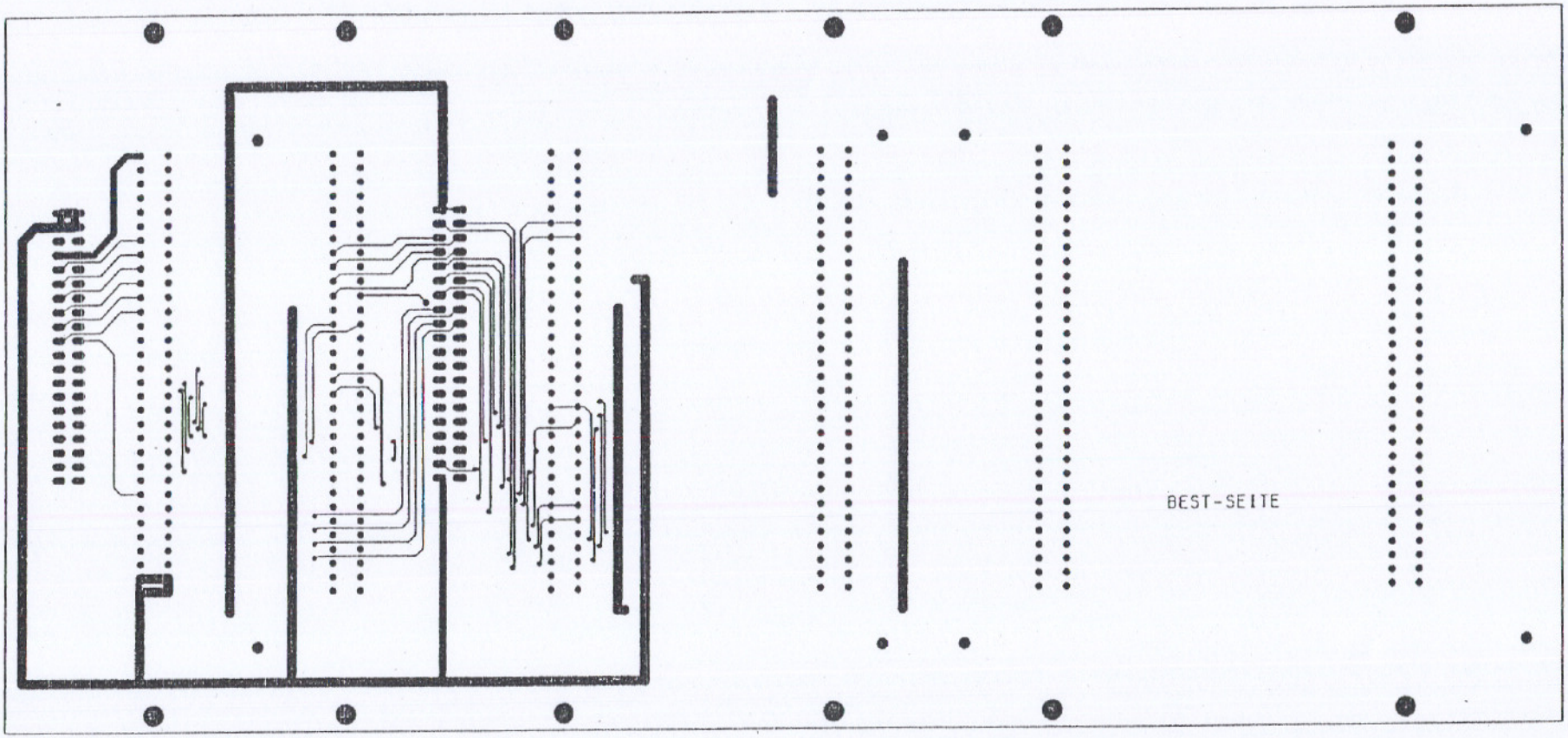

ST-1
ST-2
ST-3
ST-3
FAN
F-4
3.15M
F-3
3.15M
F-2
3.15M
F-1
1M
F-5
3.15M
TRAF881
12.88


TRAF881
12.88

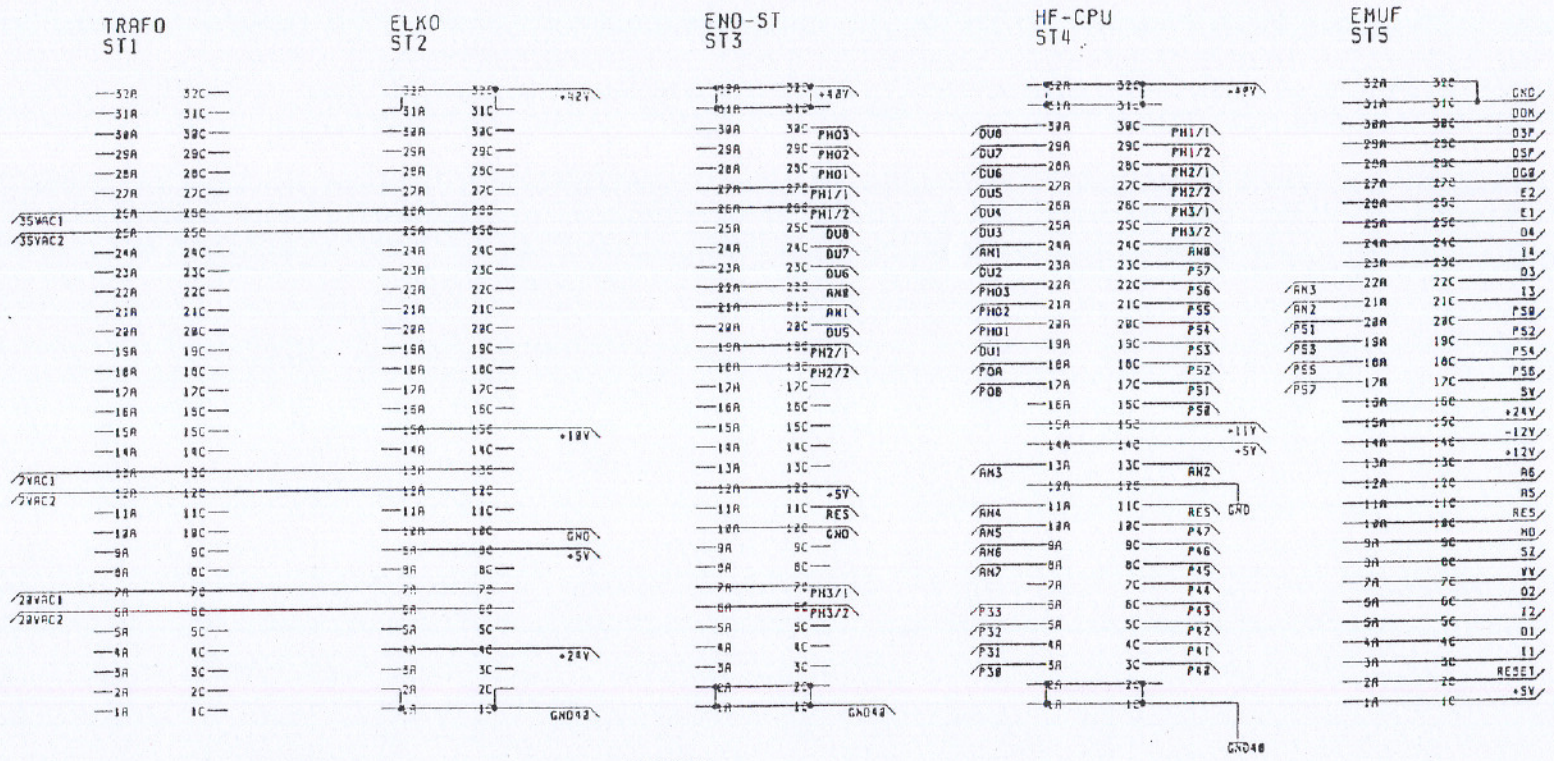
LPKF
TRHA8711

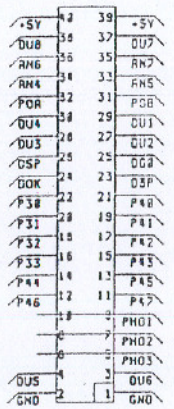

3MMGRUN
5K
POTI
WECHSLER
WECHSLER
1-ON
1-OFF
470
10K
3MMGELB
TIP131
3MMGELB
TIP131
SZ
SZ
VV
VV
470N/50V
470N/50V
470N/50V
1K
1K
1K
1K
GELB
GELB
GELB
GELB
GELB
74HCS73
74HCS73
74HCS73
74HCS73
220
220
220
220
KMB06
BC548
10UF
2K2
3MMGELB
CNC
3MMGELB
POTI
FROM-BUS
BUS
B
C
D
A
3MMGELB
REGELUNG/OVERDRIVE
3MMROT
UBERTEMP./OVERHEAT
WATCHDOG/CPU-FAILURE
3MMROT
3MMROT
EMUF/CNC-FAILURE
3MMROT
TEST
3MMROT
TIMER1
BEST.-SEITE
BC558PK
BC558PK
TO-MASCH
3MMGRUN
3MMGRUN
3MMGRUN
3MMGRUN
3MMGRUN
3MMGRUN
3MMGRUN
0.5
1
1.5
2
2.5
3
4

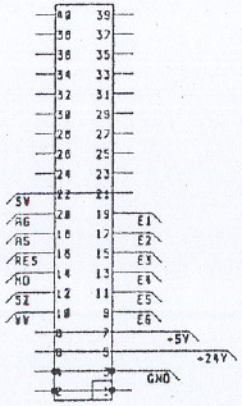

REGELUNG/OVERDRIVE
UBERTEMP./OVERHEAT
WATCHDOG/CPU-FAILURE
EMUF/CNC-FAILURE
CNC
POT1
TEST
TIMER1
BEST.-SEITE
BUS
ST1
ST2
LCD1
LCD2
H1
IC1
IC2
IC3
IC4
RN7
RN8
RN9
RN10
0.5
1
1.5
2
2.5
3
4


BEST-SEITE

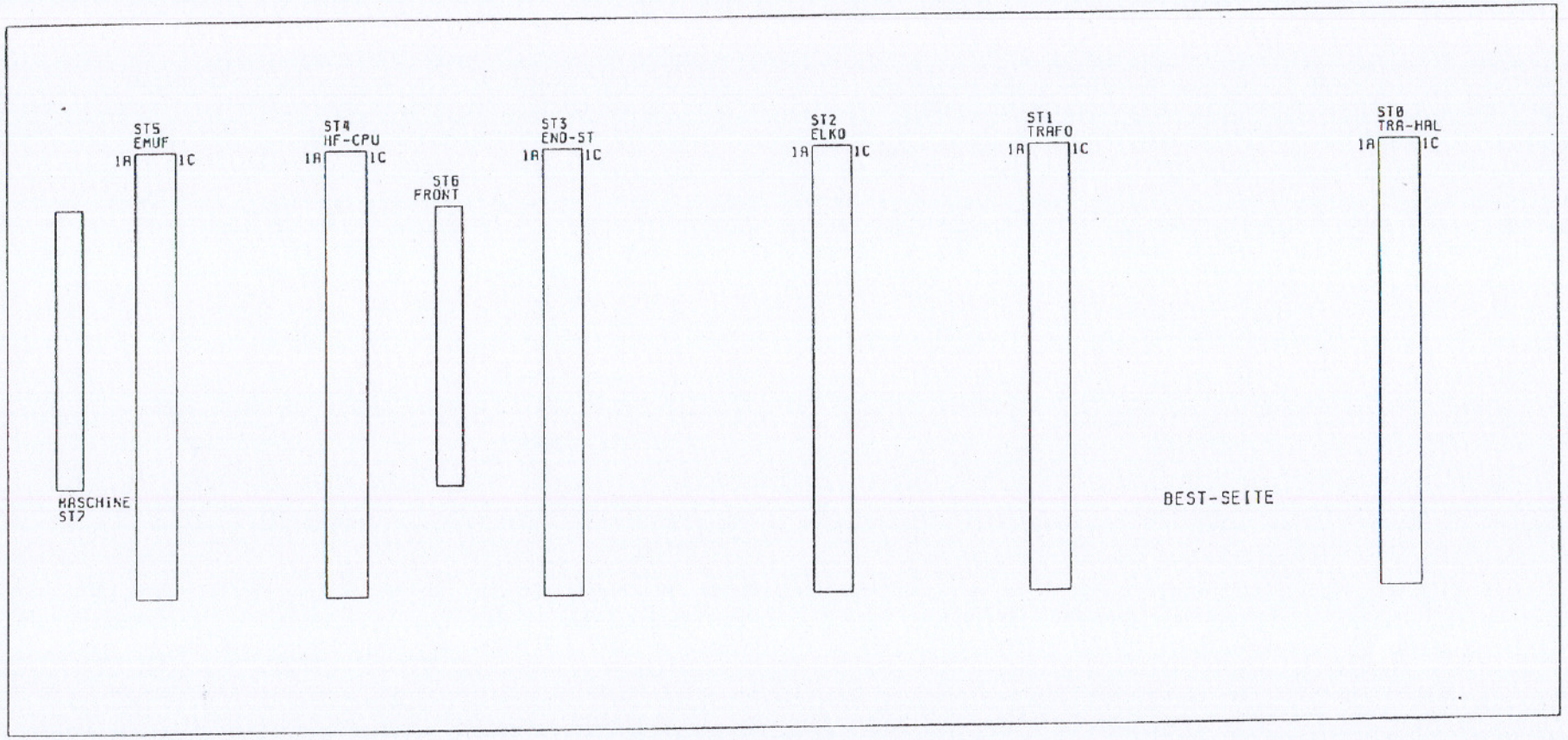
TRA-HR
HF8U831
μ.85
LOET-SEITE
TRAFO
ELKO
HF-END
FRONT
HF-CPU
EMUF
MASCH

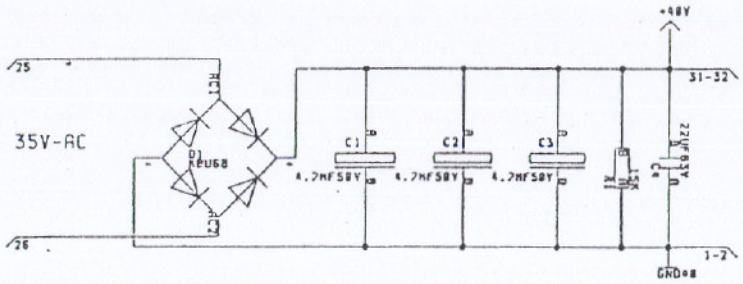


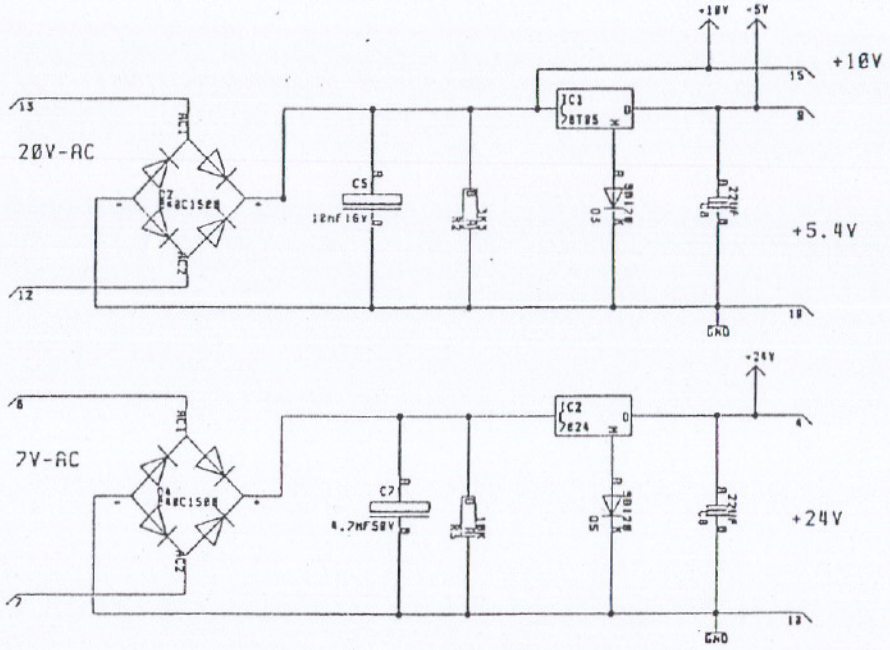




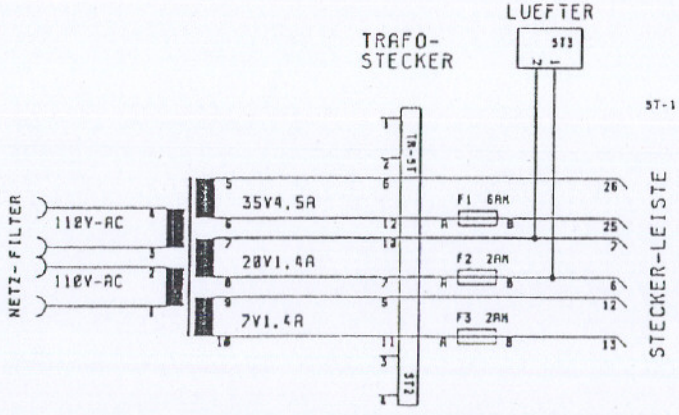
LPKF	HFBU881D
6.5.88	
PLOCK	
MIELENTZ	


MASCHINE
ST7
ST5
EMUF
1A
1C
ST4
HF-CPU
1A
1C
ST6
FRONT
ST3
END-ST
1A
1C
ST2
ELKO
1A
1C
ST1
TRAFO
1A
1C
BEST-SEITE
ST0
TRA-HAL
1A
1C





ELKO-KARTE

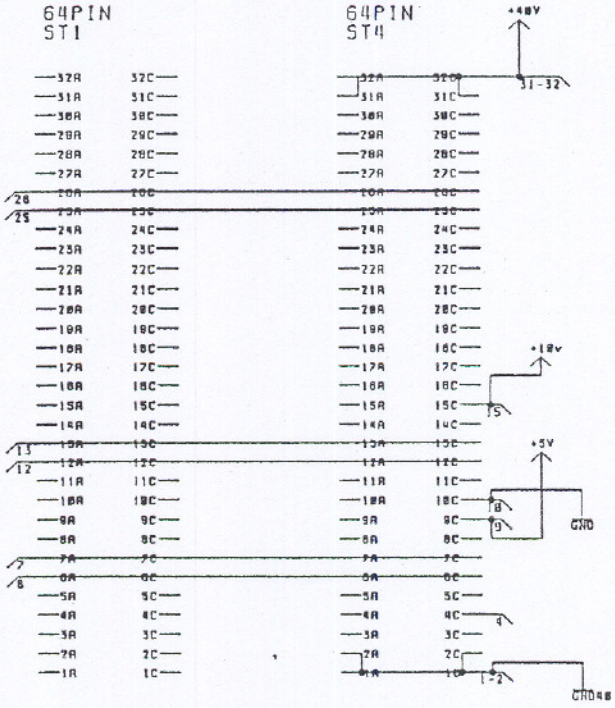


TRAFO-KARTE

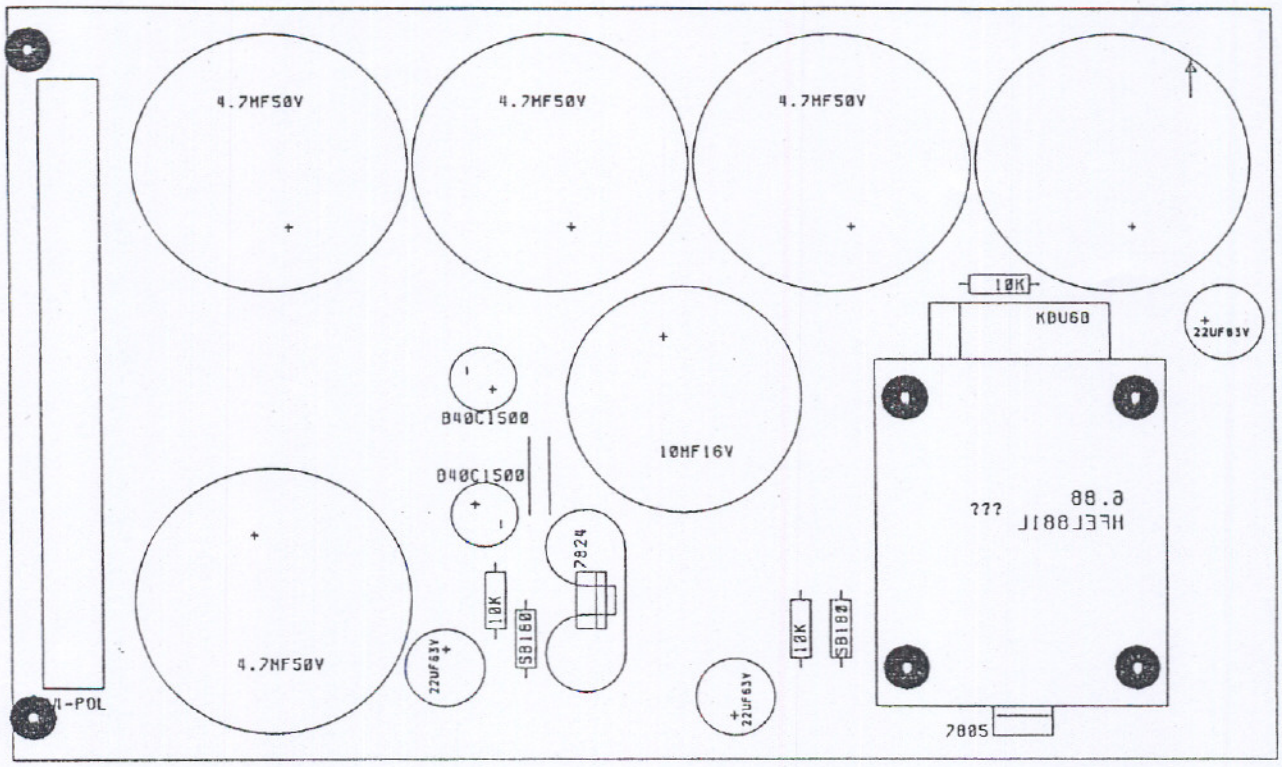
KANE881D KAVOANST

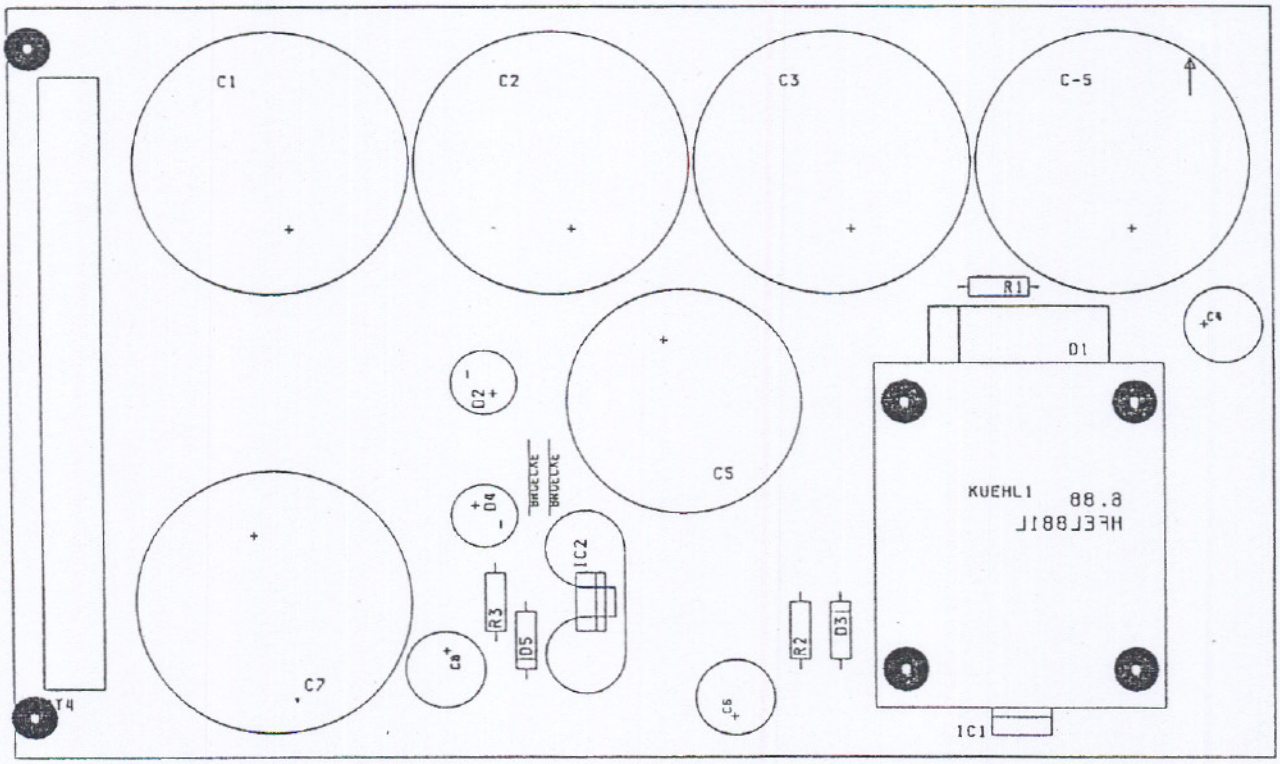
15.02.88

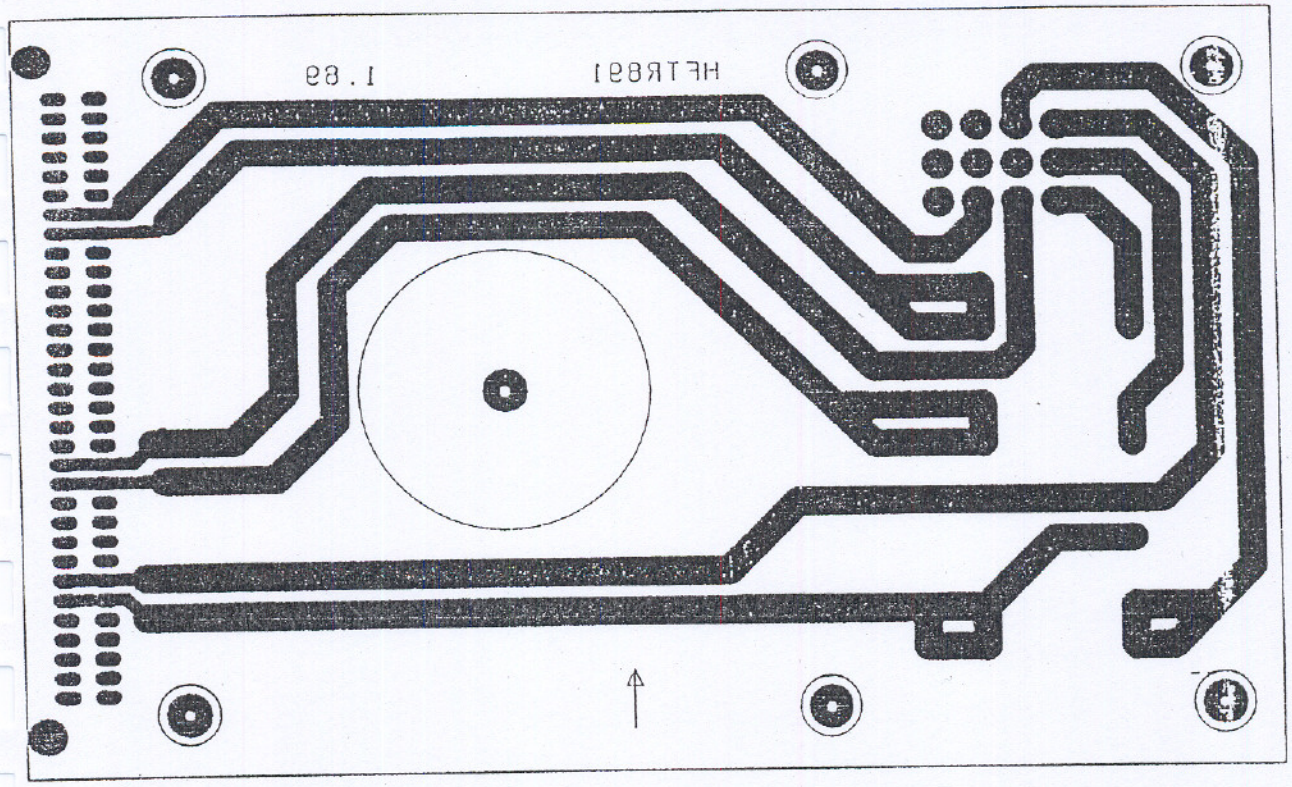
TRAF871L ELKO871L

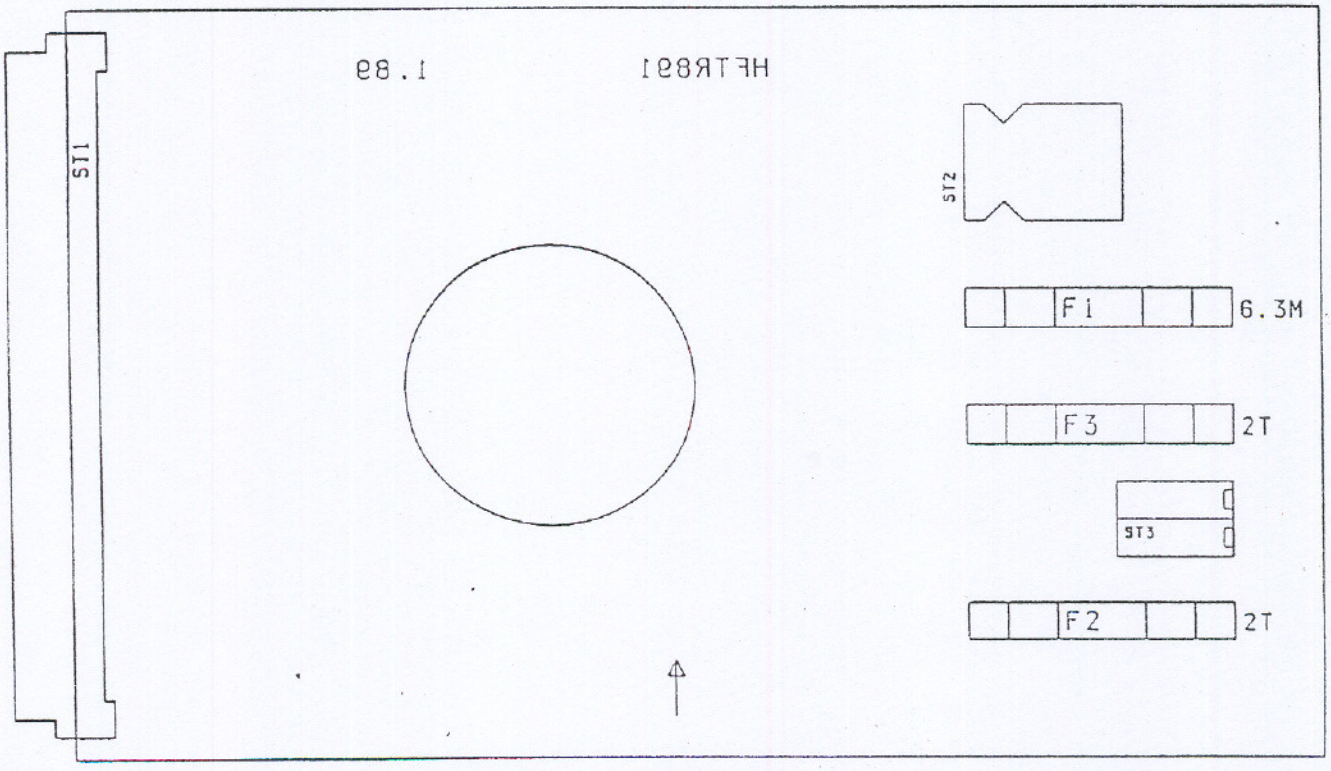


6.00
INCLOUD

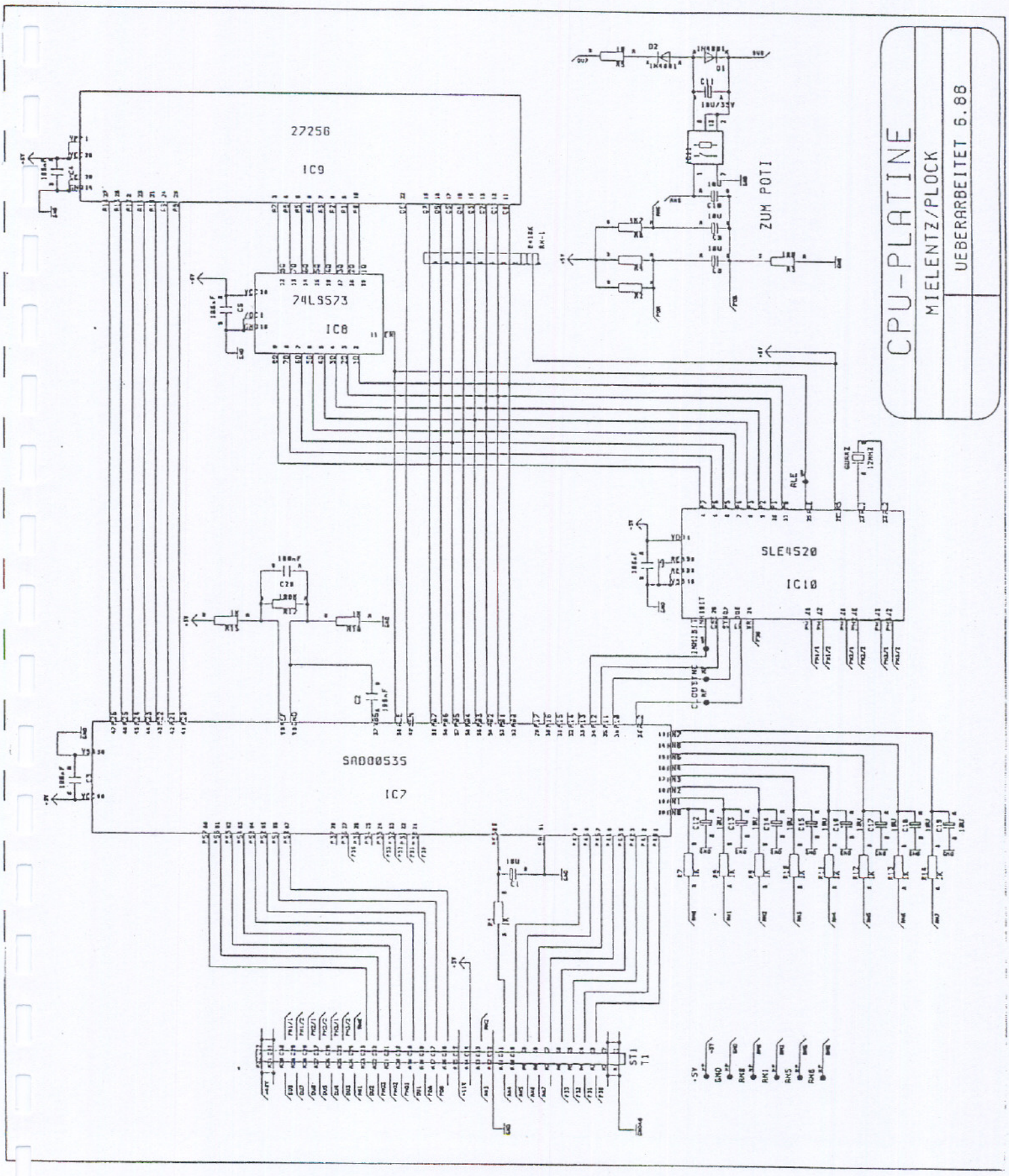

4.7MF50V
4.7MF50V
4.7MF50V
10K
KBU60
22UF63V
B40C1500
10MF16V
B40C1500
???
7824
10K
SB160
10K
SB180
4.7MF50V
22UF63V
22UF63V
7805

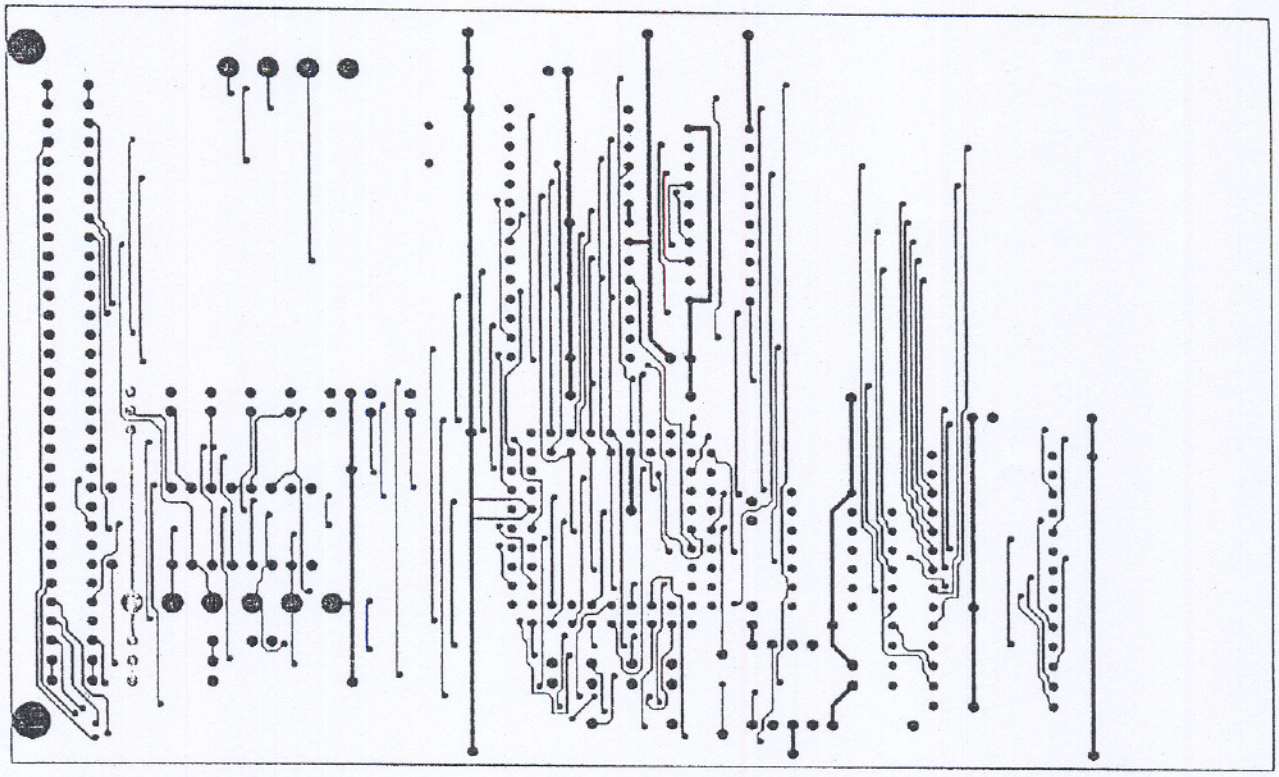

C1
C2
C3
C-5
R1
C4
D1
D2
C5
KUEHL1
D4
IC2
R3
D5
C8
R2
D3
C7
C6
IC1

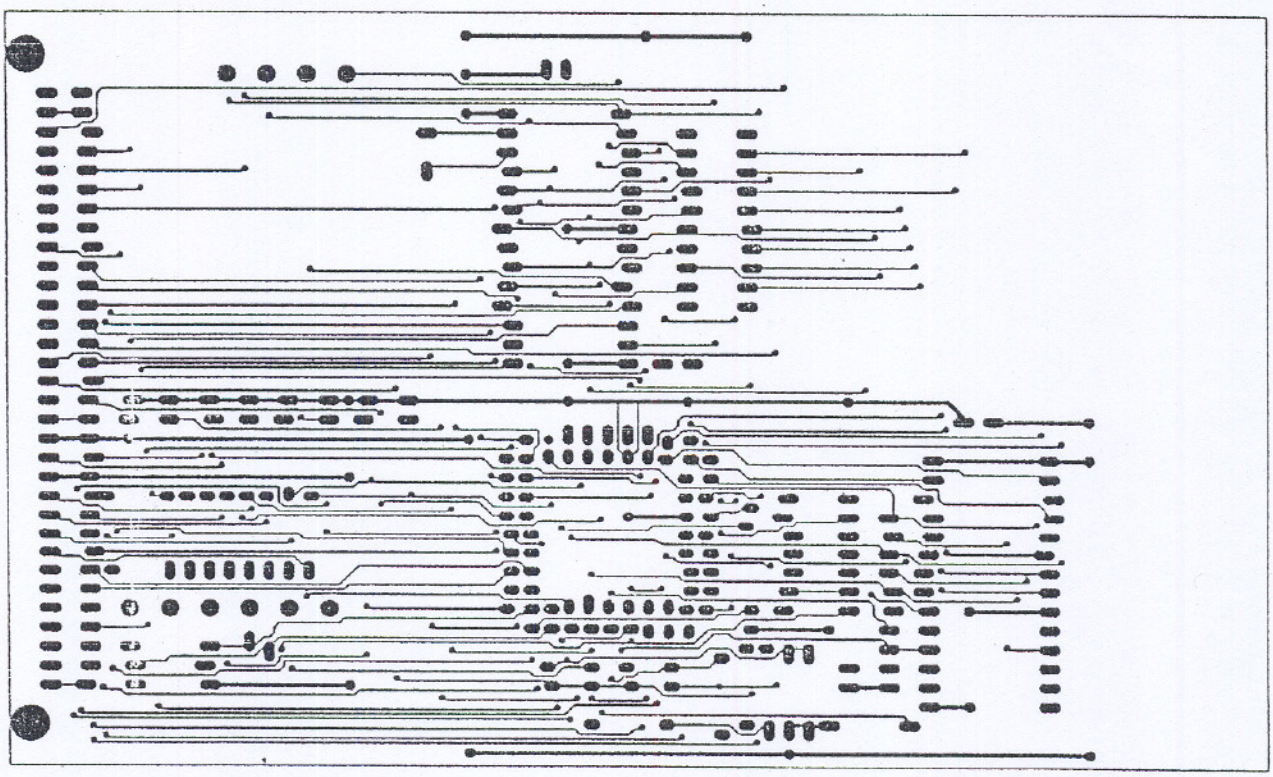

HFTR891
1.89

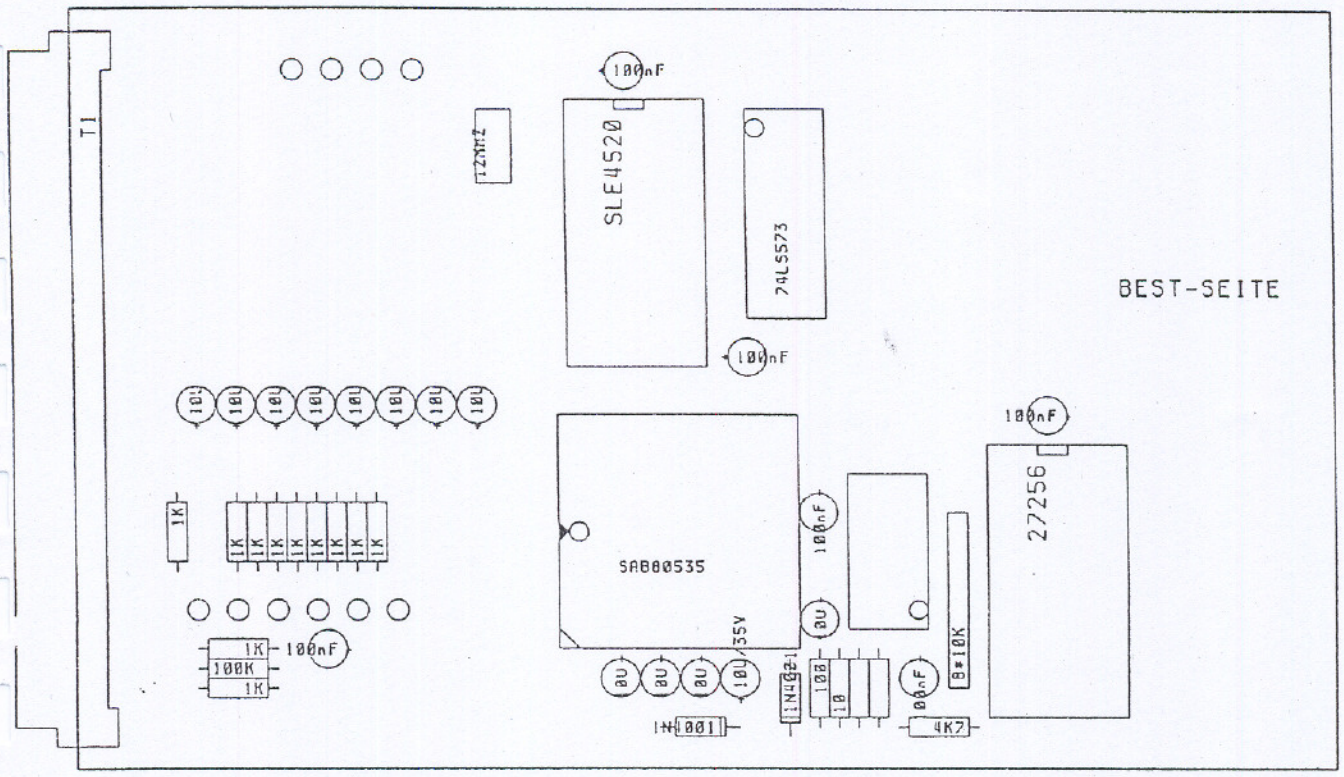

HFTR891
1.89
ST1
ST2
F1
6.3M
F3
2T
ST3
F2
2T

LPKF
TRHA8711


CPU-PLATINE
MIELENTZ/PLOCK
UEBERARBEITET 6.88
27256
IC9
74LS573
IC8
ZUM POTI
SLE4520
IC10
SA00535
IC7
ALE
CLOUTSYNC
GND
ST1



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74LS573
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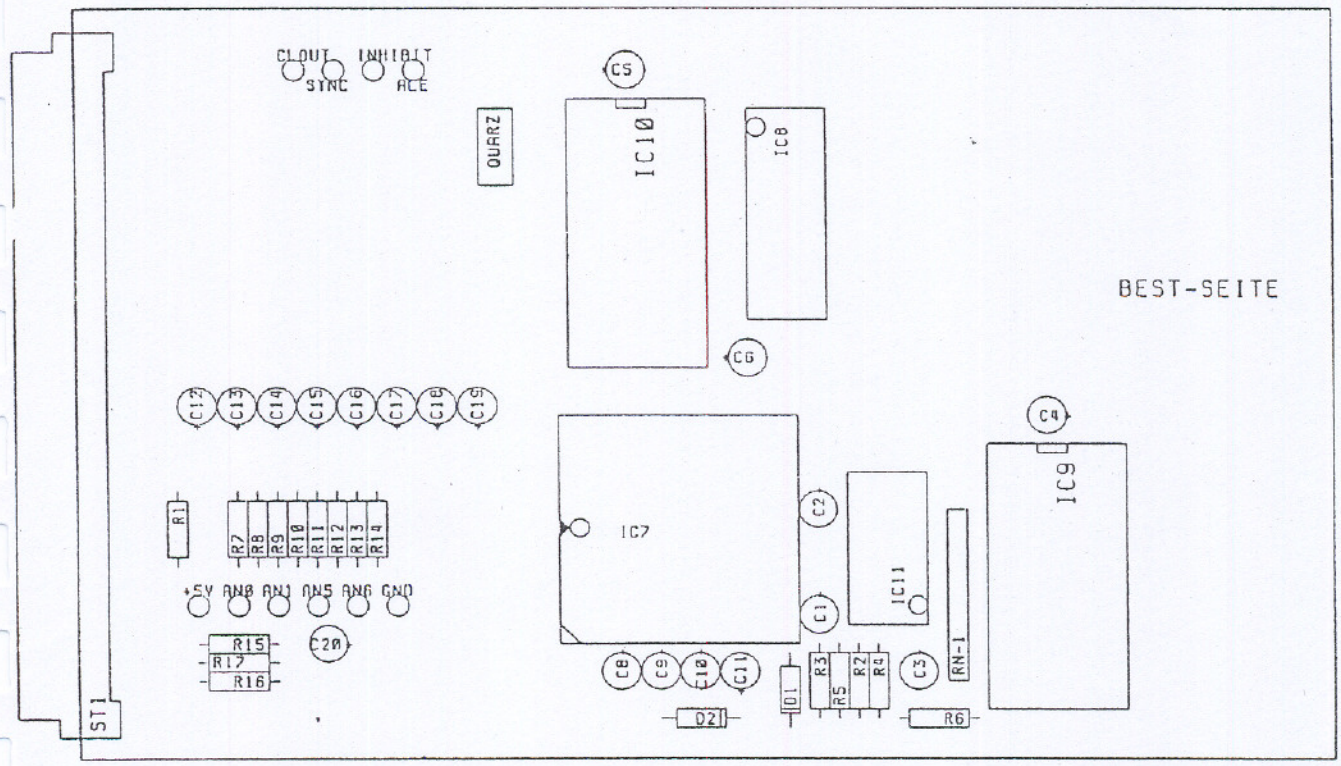
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INHIBIT
SYNC
ACE
QUARZ
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IC8
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C12
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C16
C17
C18
C19
C4
IC9
IC7
C2
IC11
C1
R1
R7
R8
R9
R10
R11
R12
R13
R14
+5V
AN8
AN1
AN5
AN6
GND
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R17
R16
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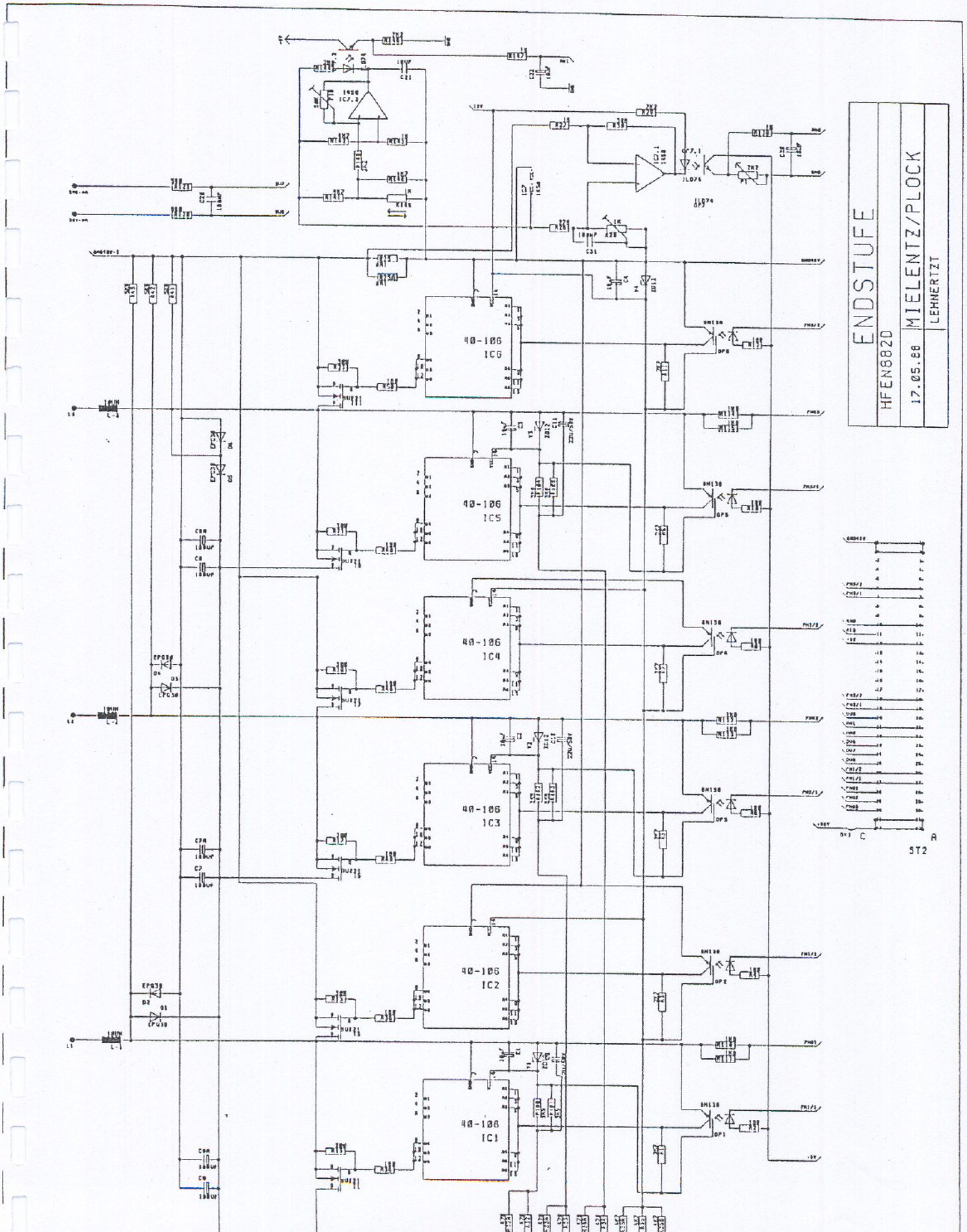
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LEHNERTZT
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IC5
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IC4
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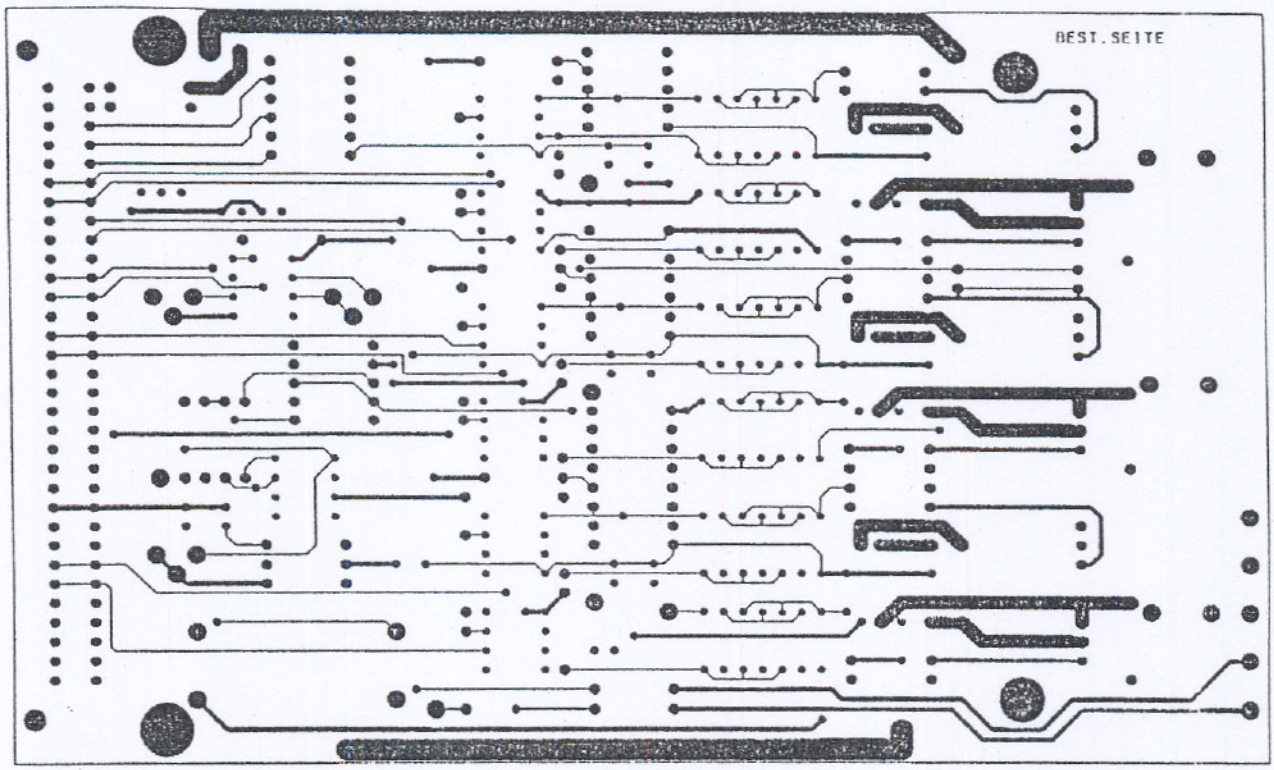
IC3
40-106
IC2
40-106
IC1
ST2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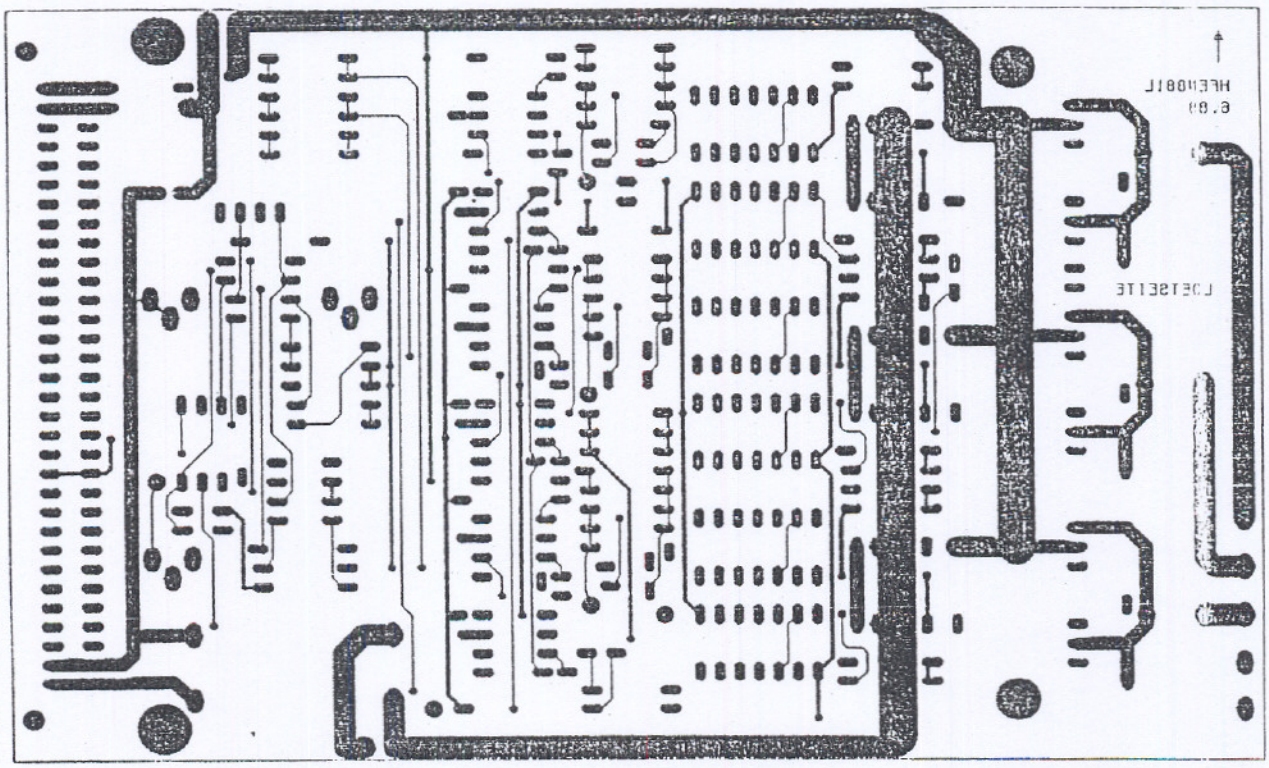

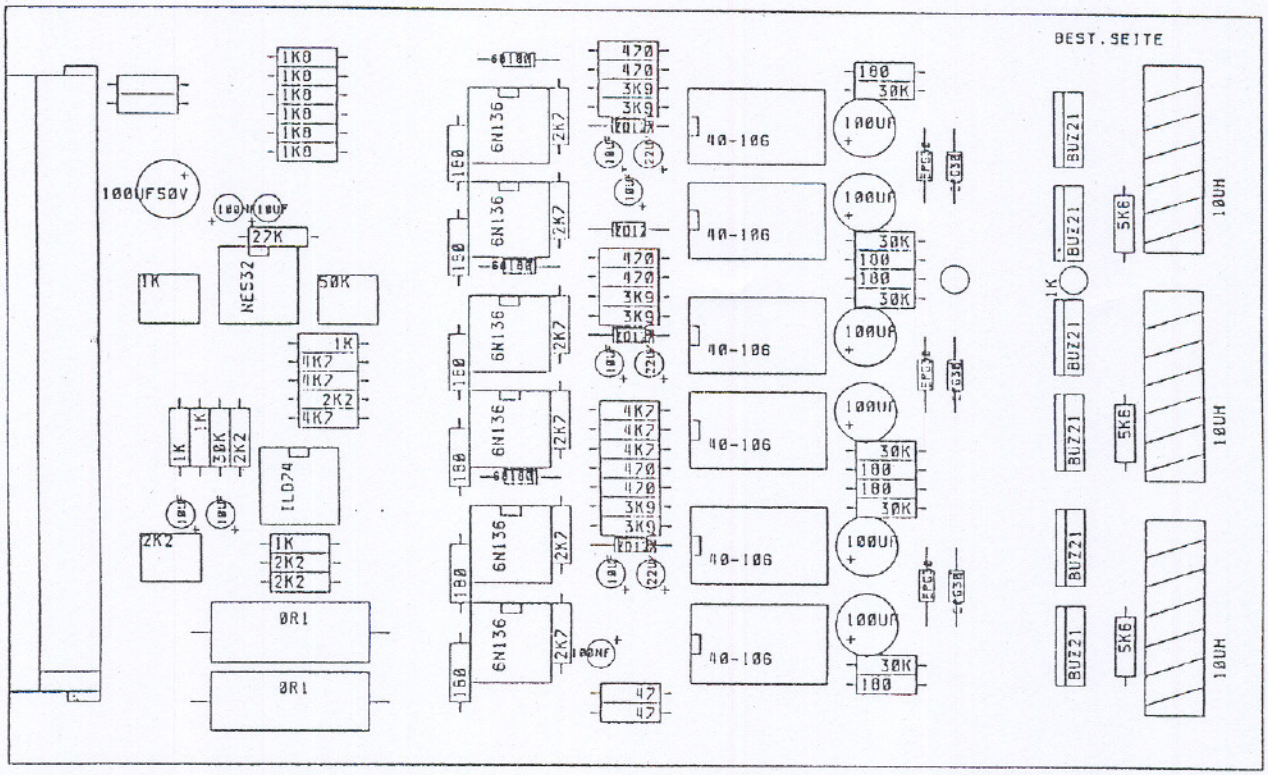
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4K7
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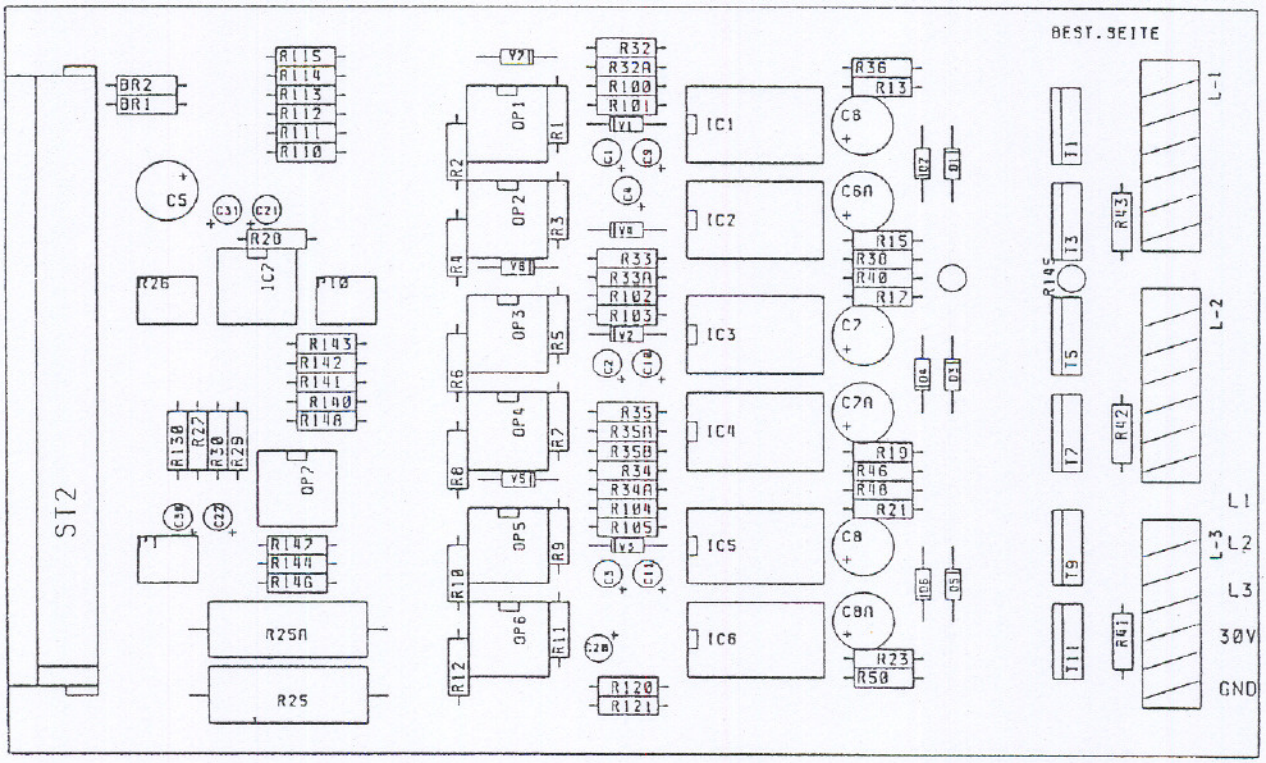
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C5
R20
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R10
R143
R142
R141
R140
R148
R130
R22
R30
R29
OP7
R147
R144
R146
R25A
R25
OP1
OP2
OP3
OP4
OP5
OP6
R32
R32A
R100
R101
R33
R33A
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R103
R35
R35A
R35B
R34
R34A
R104
R105
R120
R121
IC1
IC2
IC3
IC4
IC5
IC6
R36
R13
C8
C6A
R15
R30
R40
R17
C7
C7A
R19
R46
R48
R21
C8A
R23
R50
T1
T3
T5
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L3
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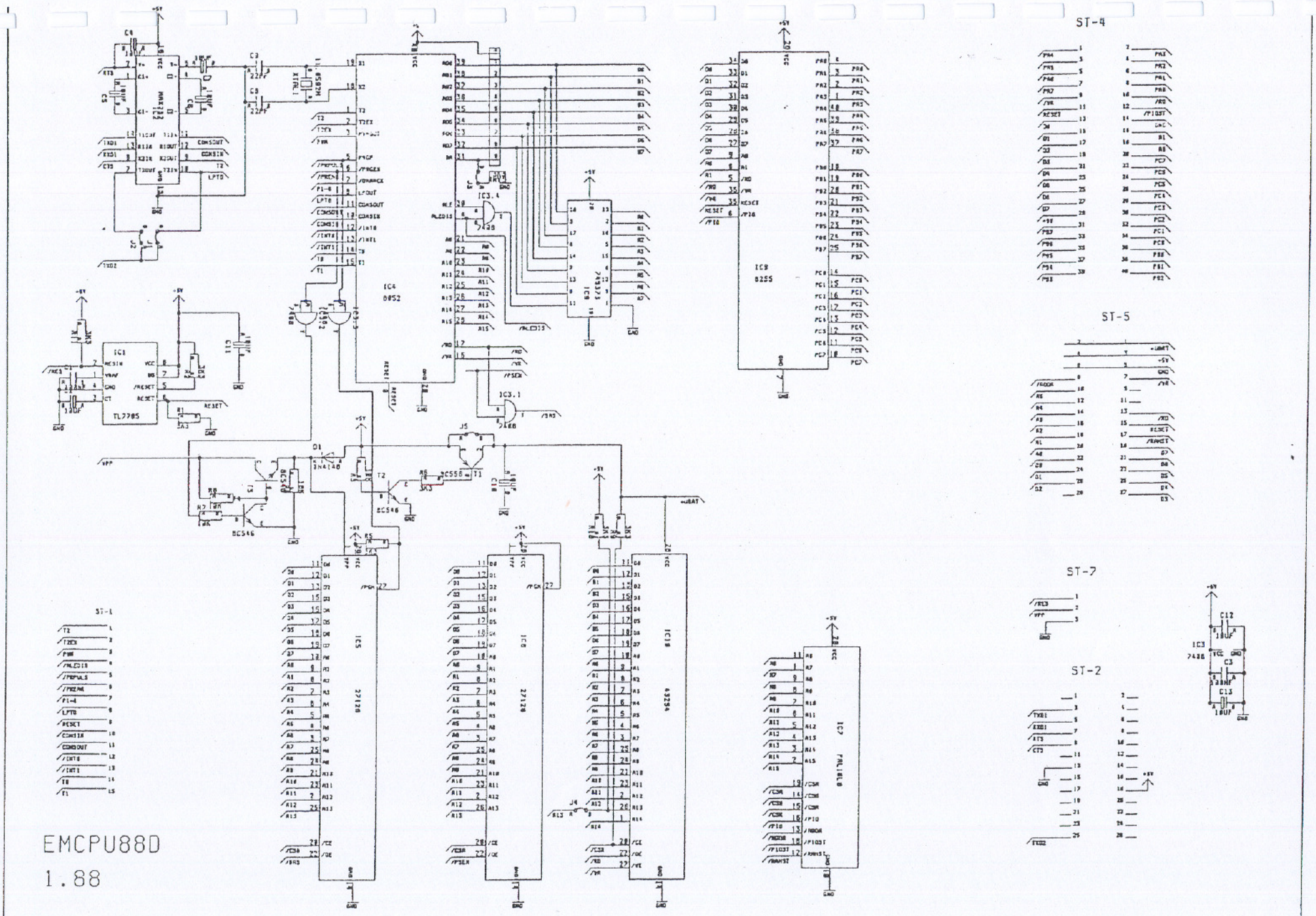
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8255
IC1
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IC5
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IC6
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IC8
62256
IC7
PAL16L8
IC3.4
IC3.1
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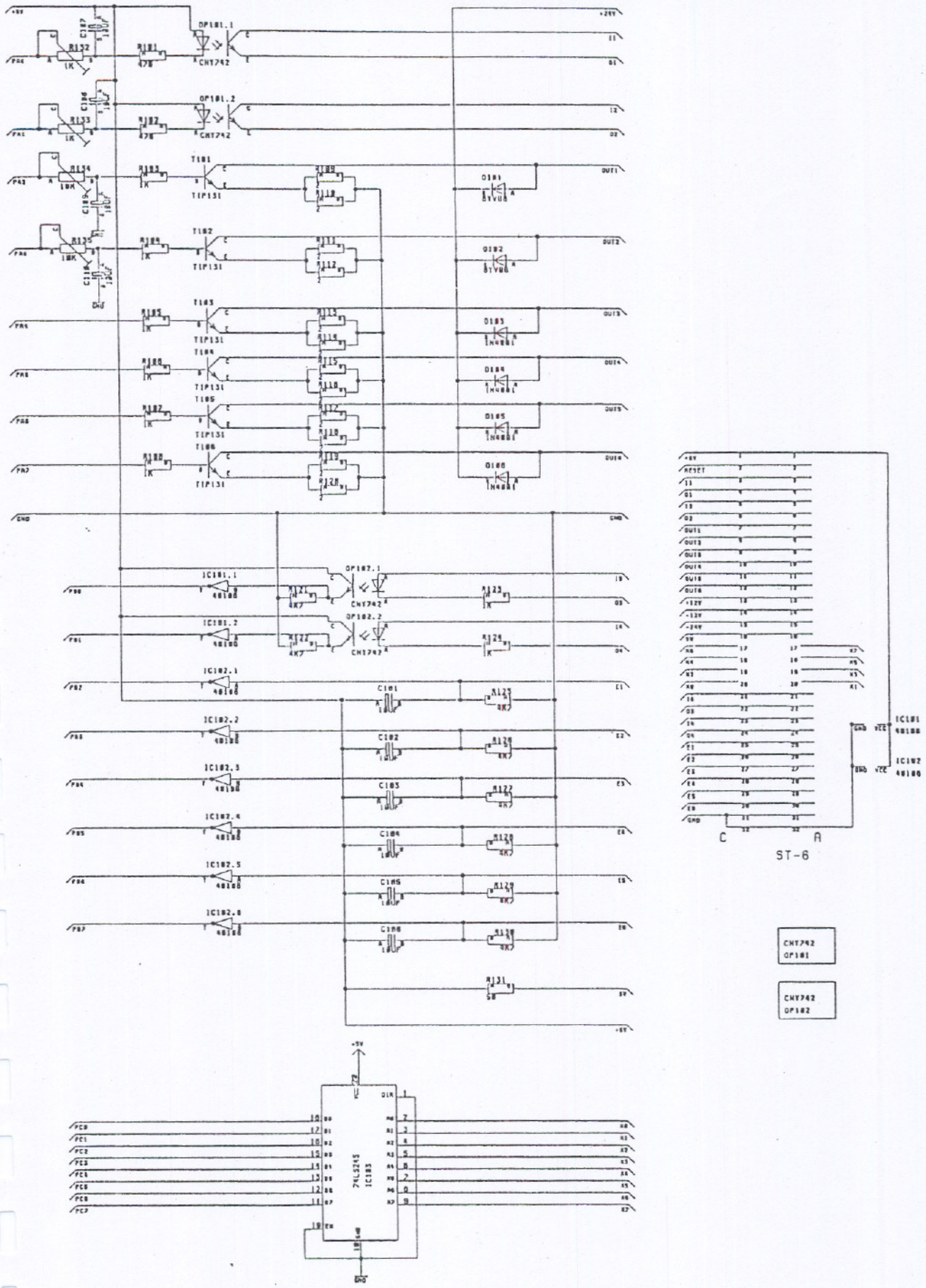
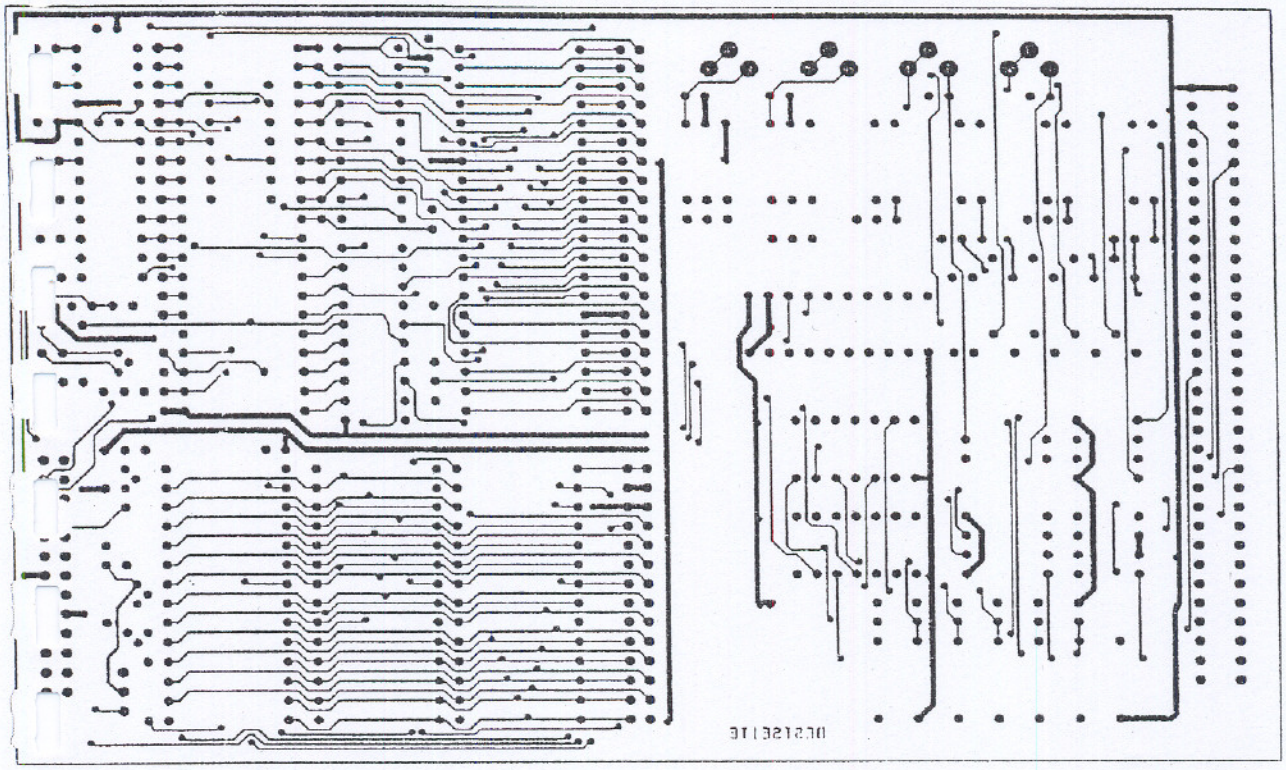


MUF-INTERFACE VERSION 1.1 4.5.88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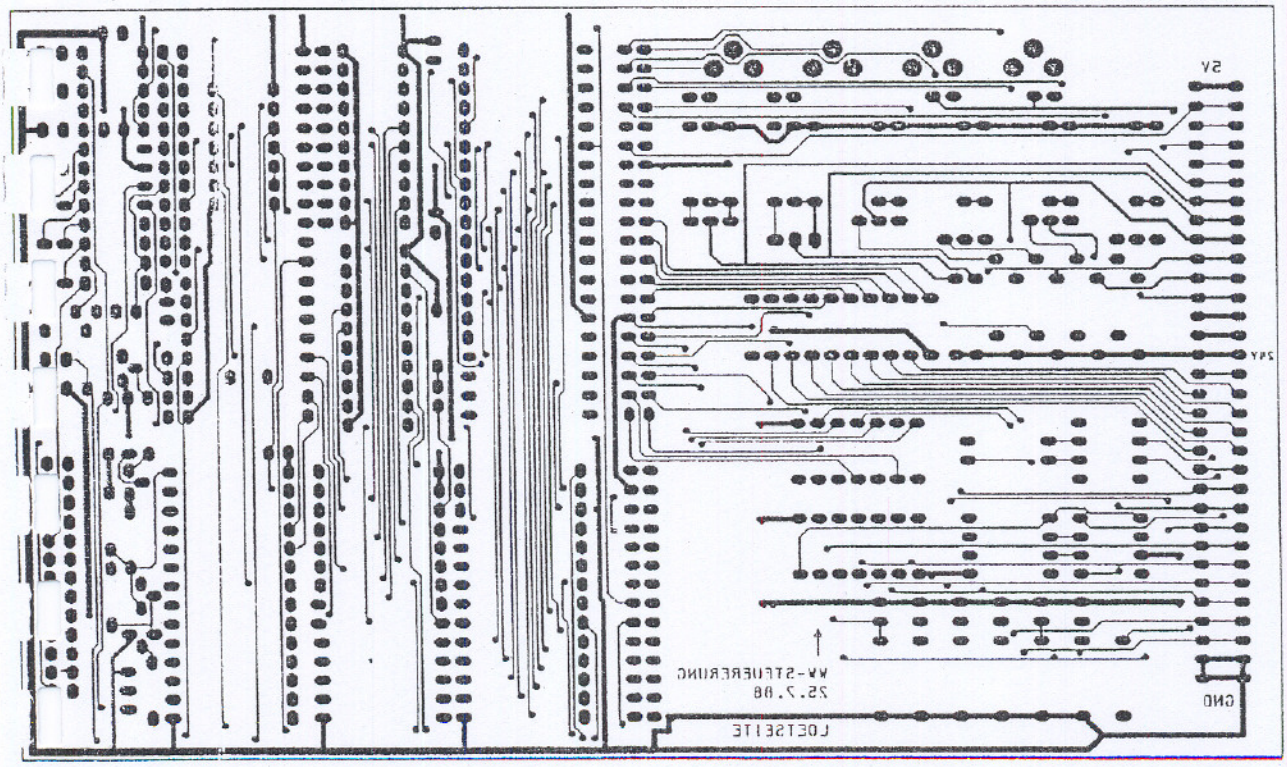
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GND
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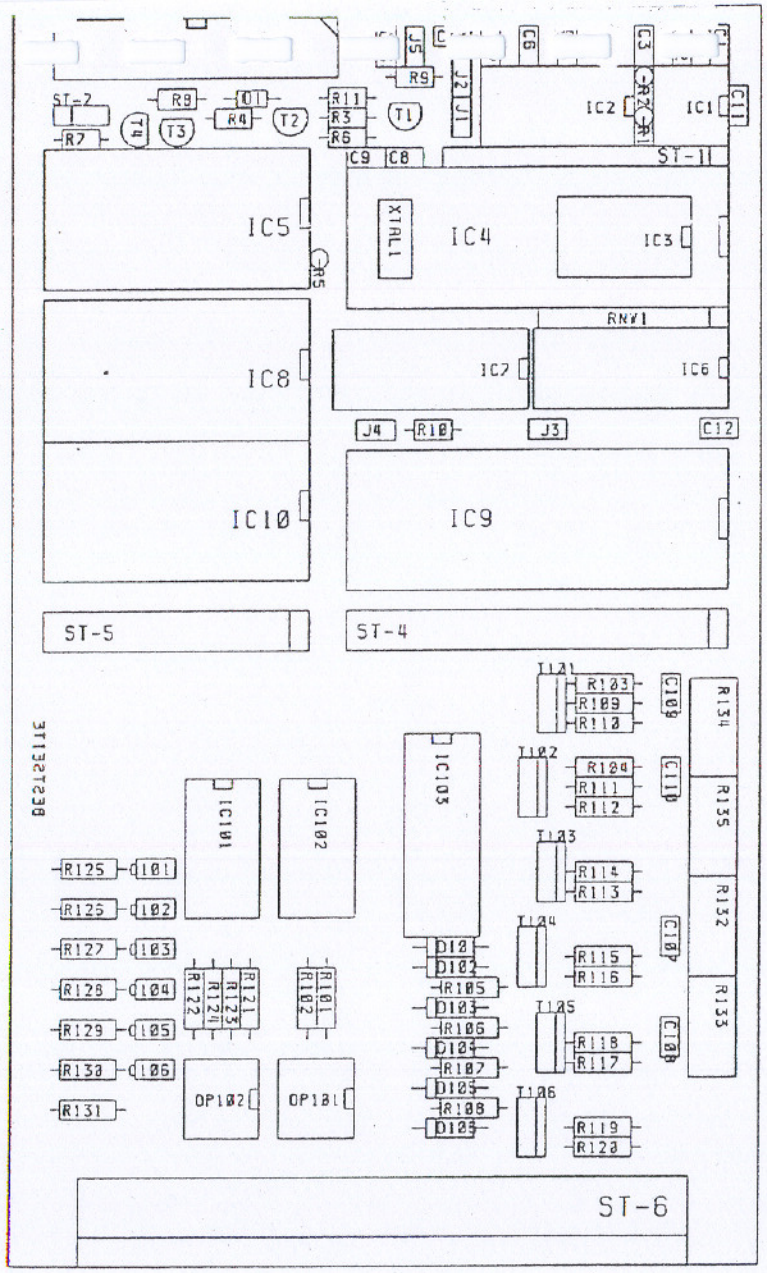
LOETSEITE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T2
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T3
R7
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R9
J2
J1
C6
C3
C2
R2
R1
IC2
IC1
C11
C9
C8
ST-1
IC5
R5
XTAL1
IC4
IC3
RNW1
IC8
IC7
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C12
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IC9
ST-5
ST-4
T101
R103
R109
R110
C109
T102
R104
R111
R112
C110
T103
R114
R113
T104
R115
R116
C107
T105
R118
R117
C108
T106
R119
R120
R134
R135
R132
R133
IC103
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D102
R105
D103
R106
D104
R107
D105
R108
D106
IC101
IC102
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103
R128
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R102
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OP101
ST-6
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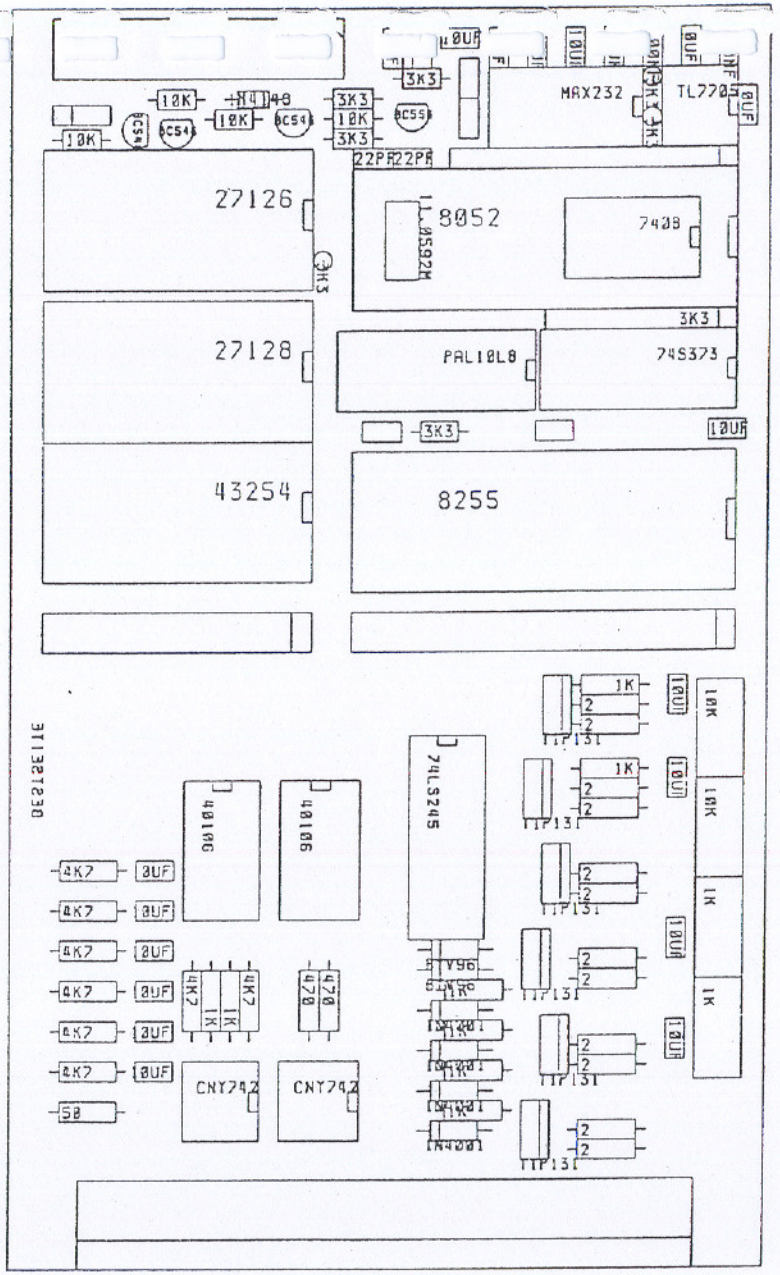
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R4
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27126
8052
7408
11.0592M
3K3
27128
PAL10L8
74S373
3K3
10UF
43254
8255
1K
10UF
10K
10K
1K
1K
74LS245
4010G
4010G
4K7
8UF
4K7
8UF
4K7
8UF
4K7
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4K7
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CNY74-2
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5B
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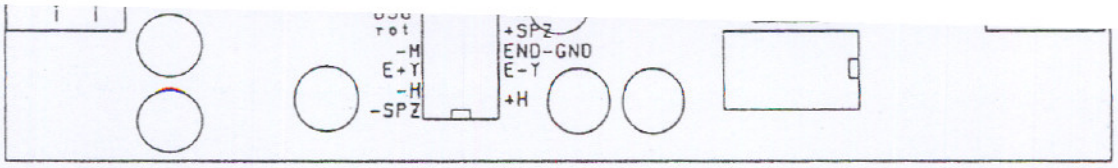
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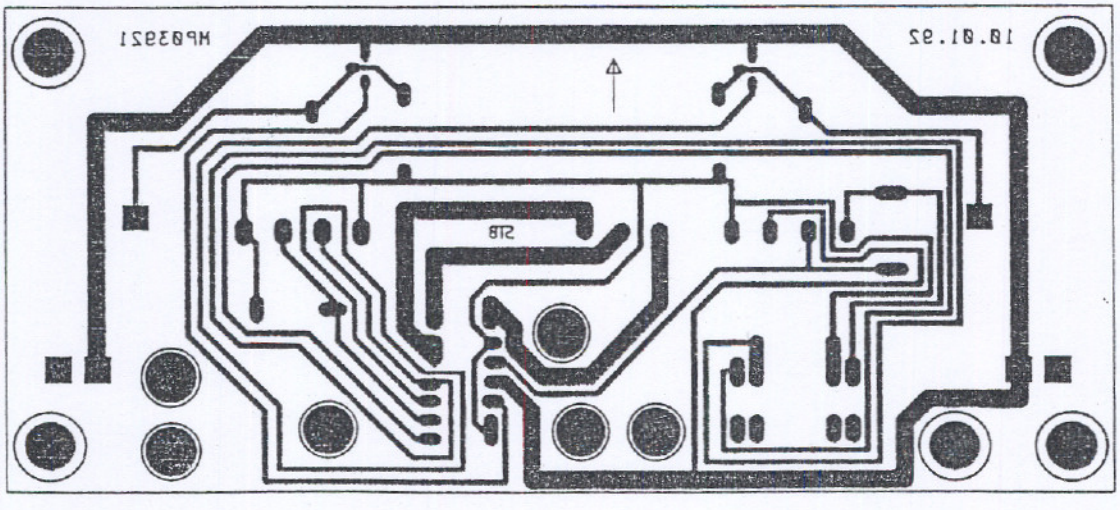
-H
-SPZ
+SPZ
END-GND
E-Y
+H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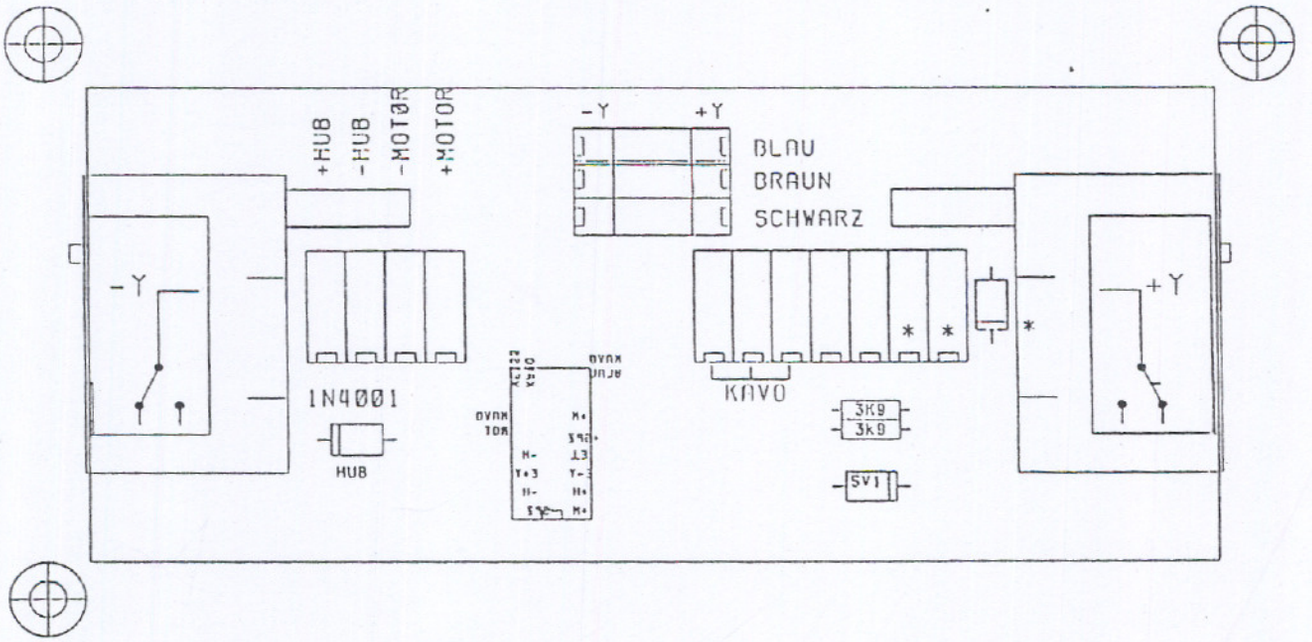
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-HUB
-MOTOR
+MOTOR
-Y
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BRAUN
SCHWARZ
-Y
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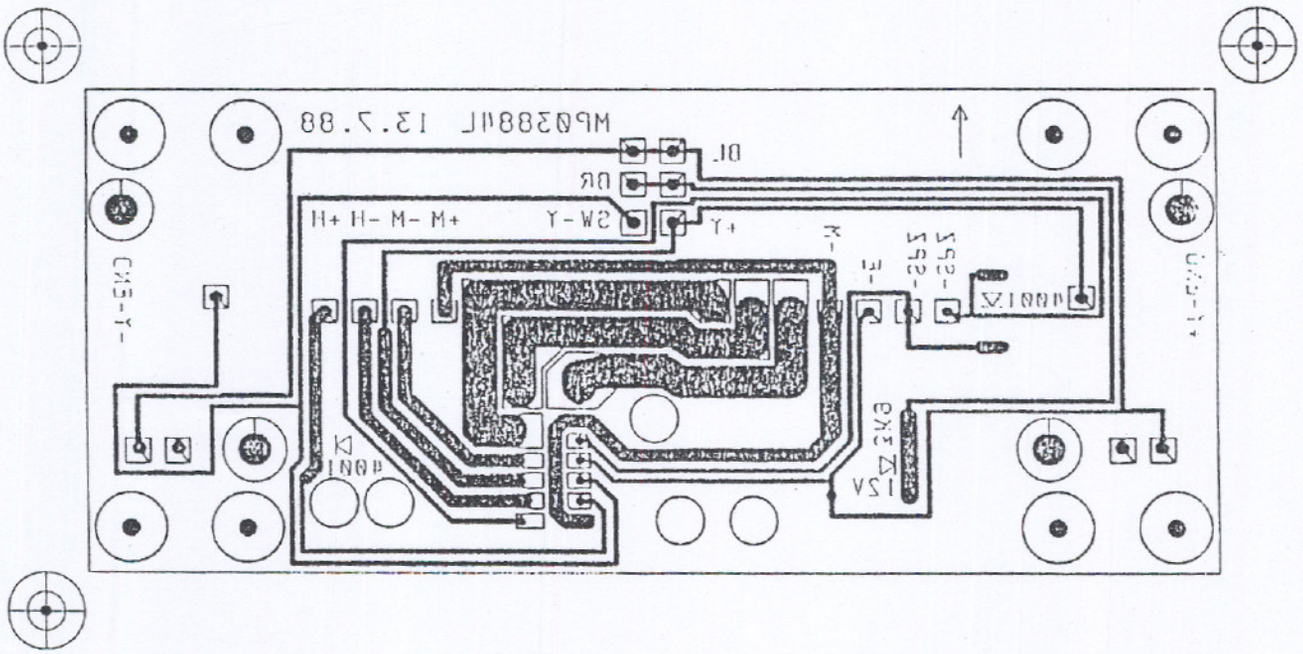
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-Y
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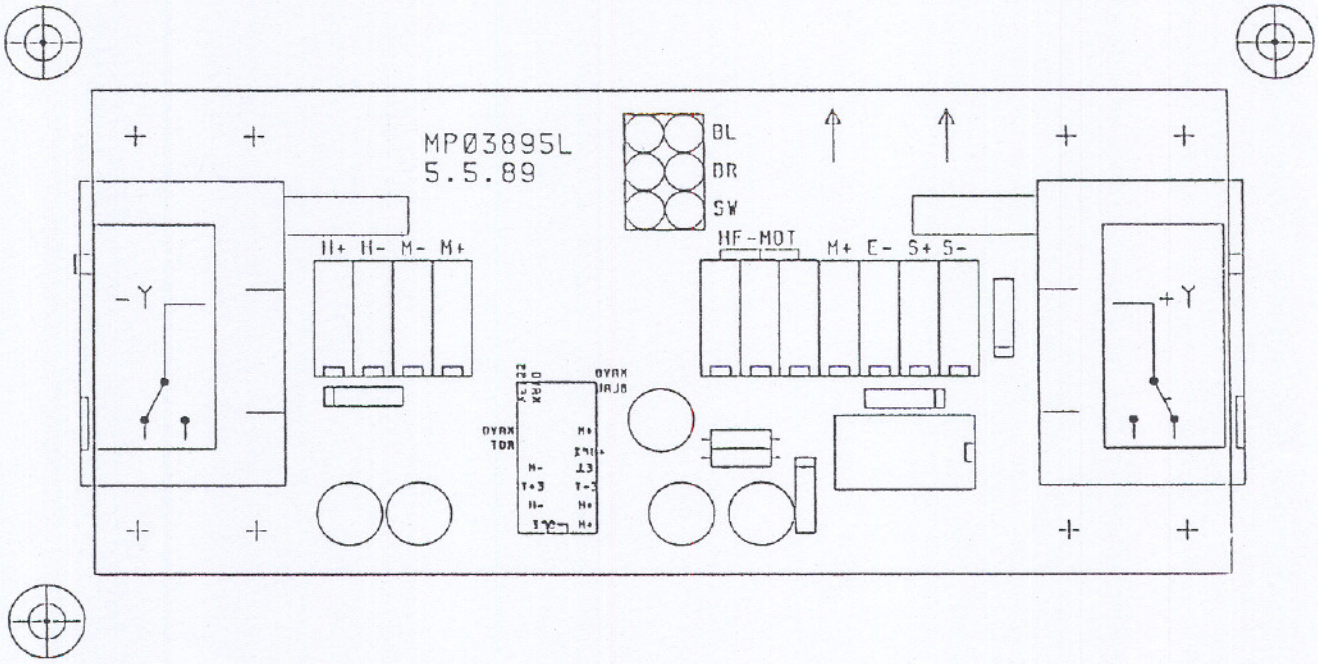
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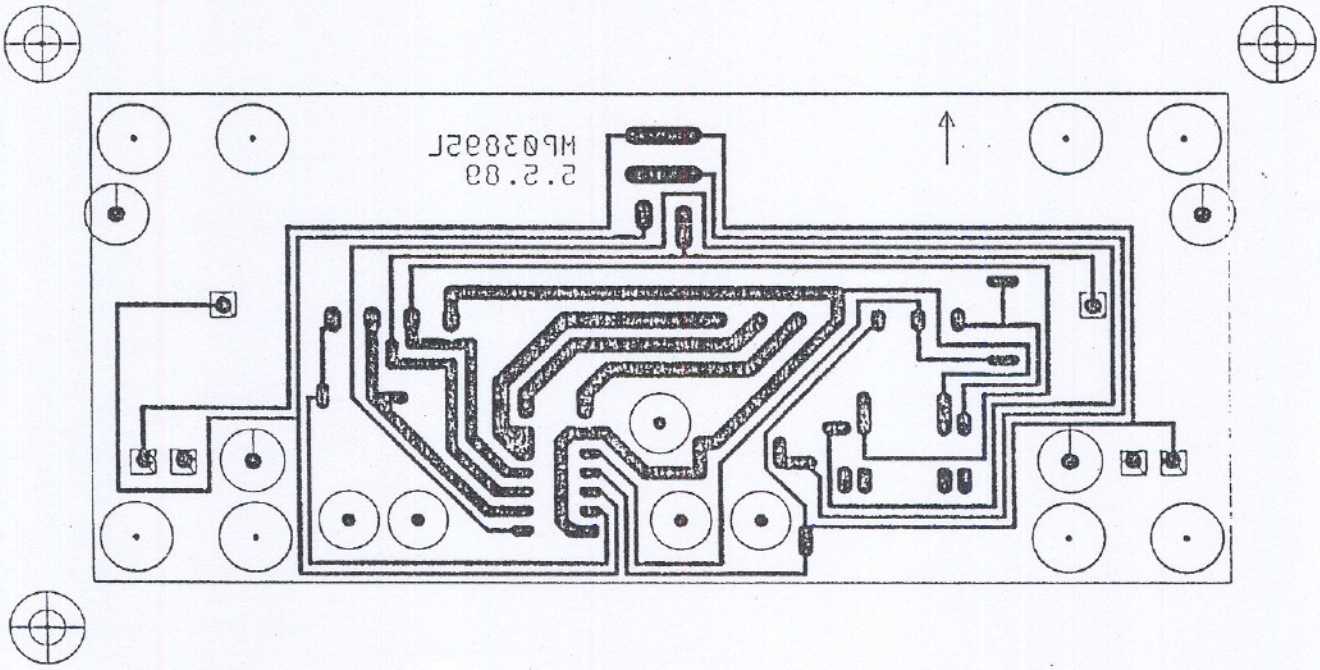
SW
HF-MOT
M+ E- S+ S-
H+ H- M- M+
-Y
+Y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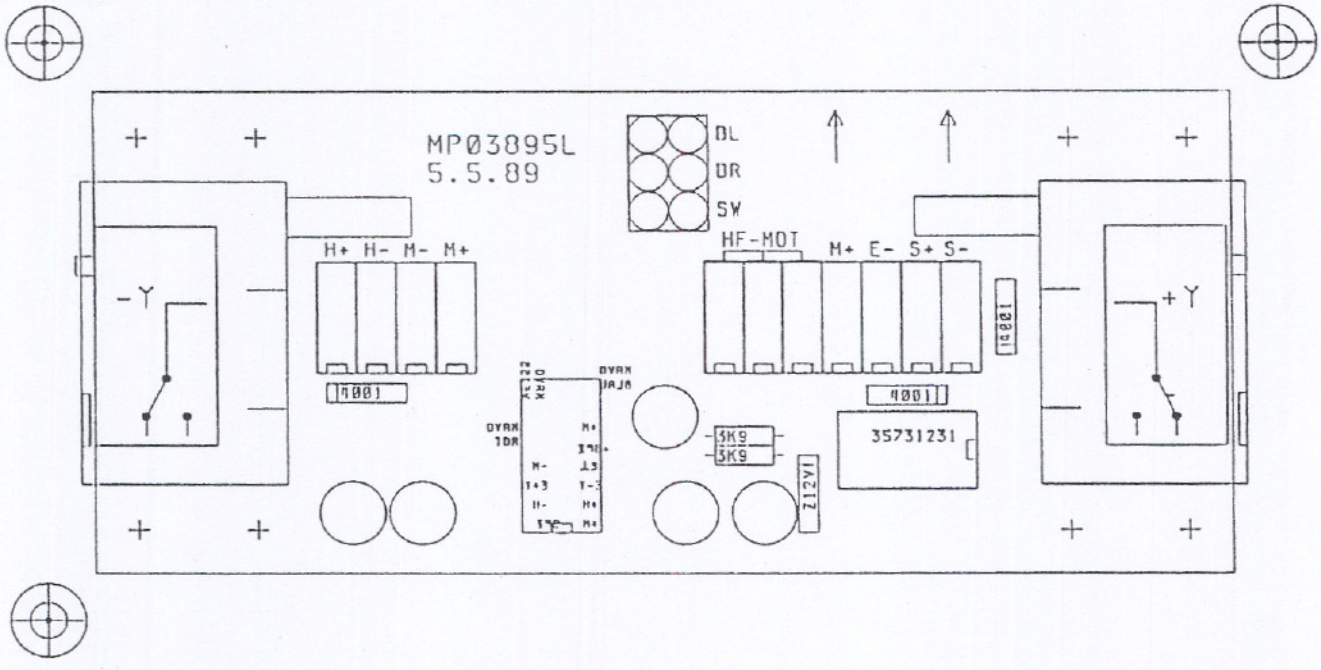
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DR
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M+ E- S+ S-
-Y
+Y
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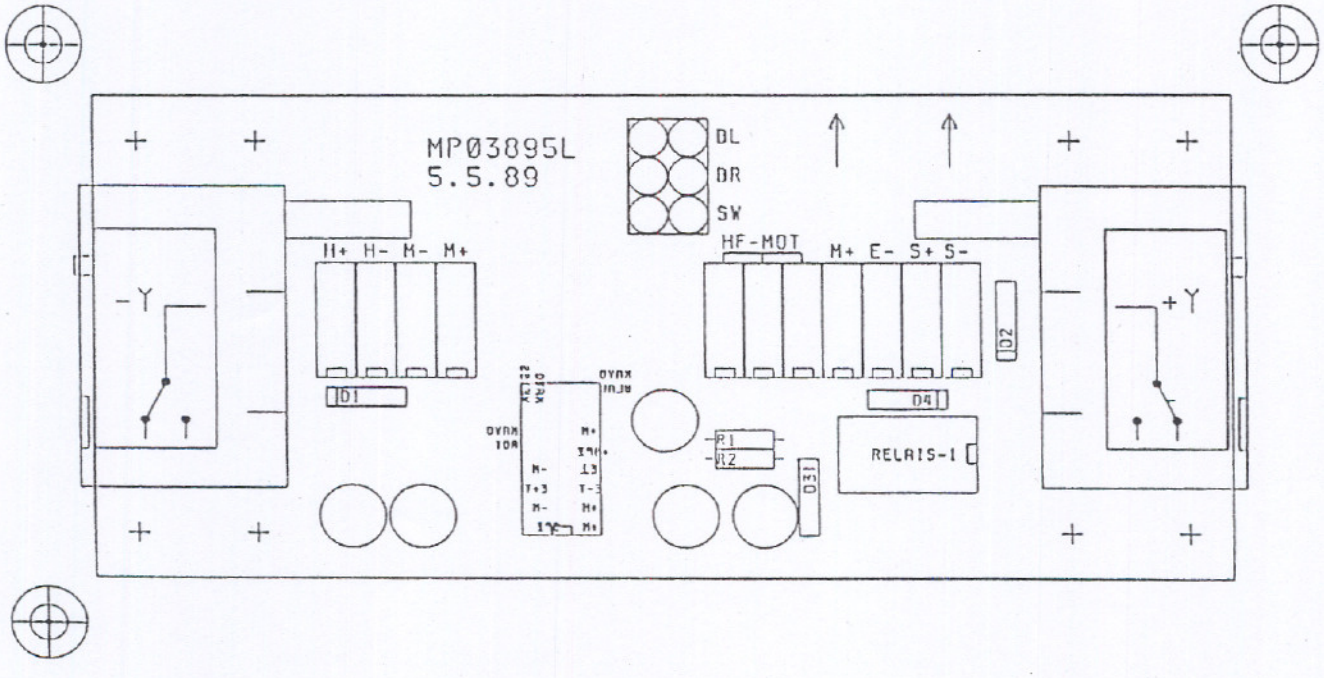
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M+ E- S+ S-
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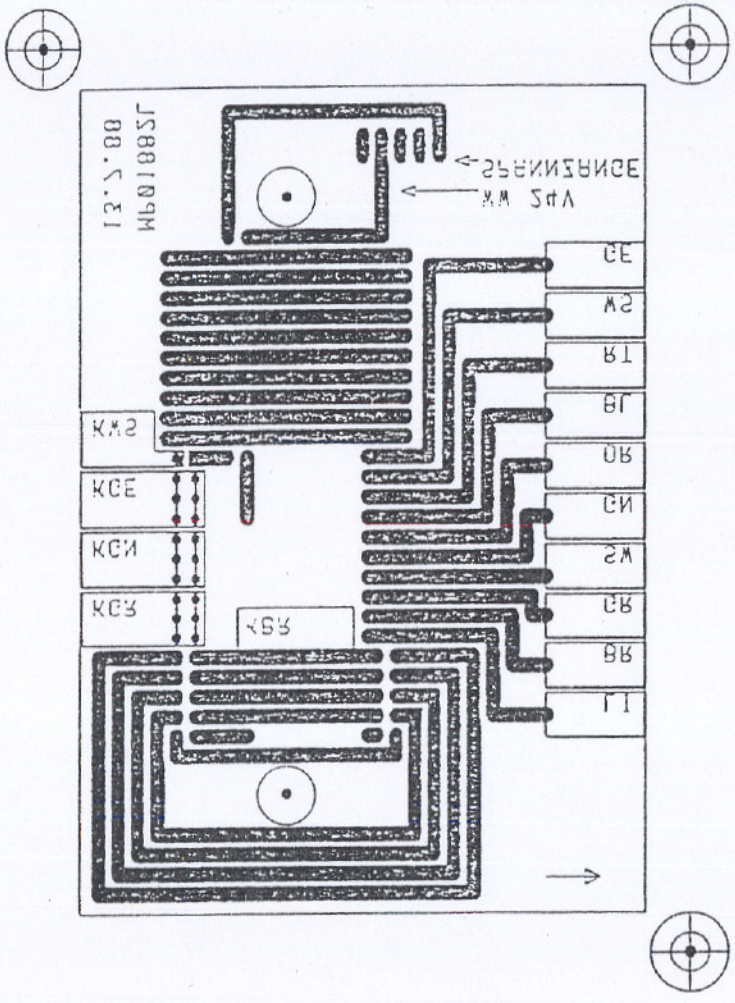
D2
D3
D4
R1
R2
RELAIS-1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WEISS
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GRUEN
KAVO
GRAU
BRUECKE
BRUECKE
KAVO
BRAUN
BRUECKE
GELB
WEISS
ROT
BLAU
ORANGE
GRUEN
SCHWARZ
GRAU
BRAUN
LILA

KM2
KCE
KCM
KCB
KSB
GE
WS
RT
BL
OR
GN
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12.2.88

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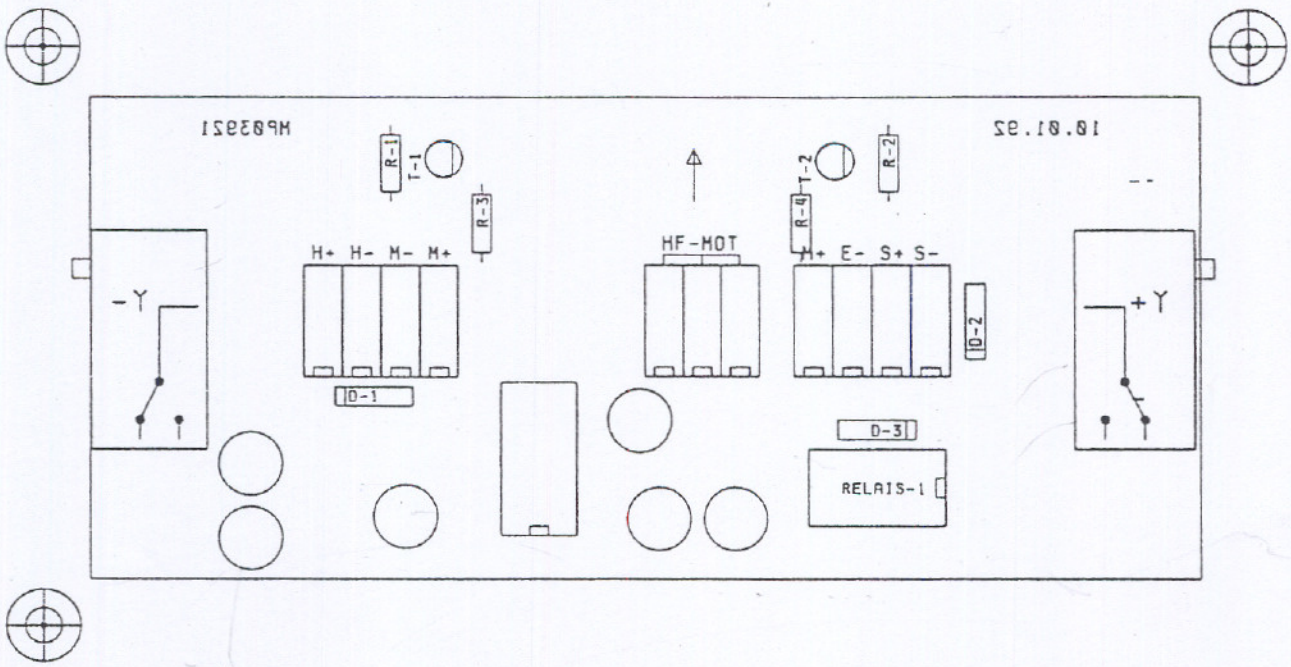
12.2.88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R-4
R-2
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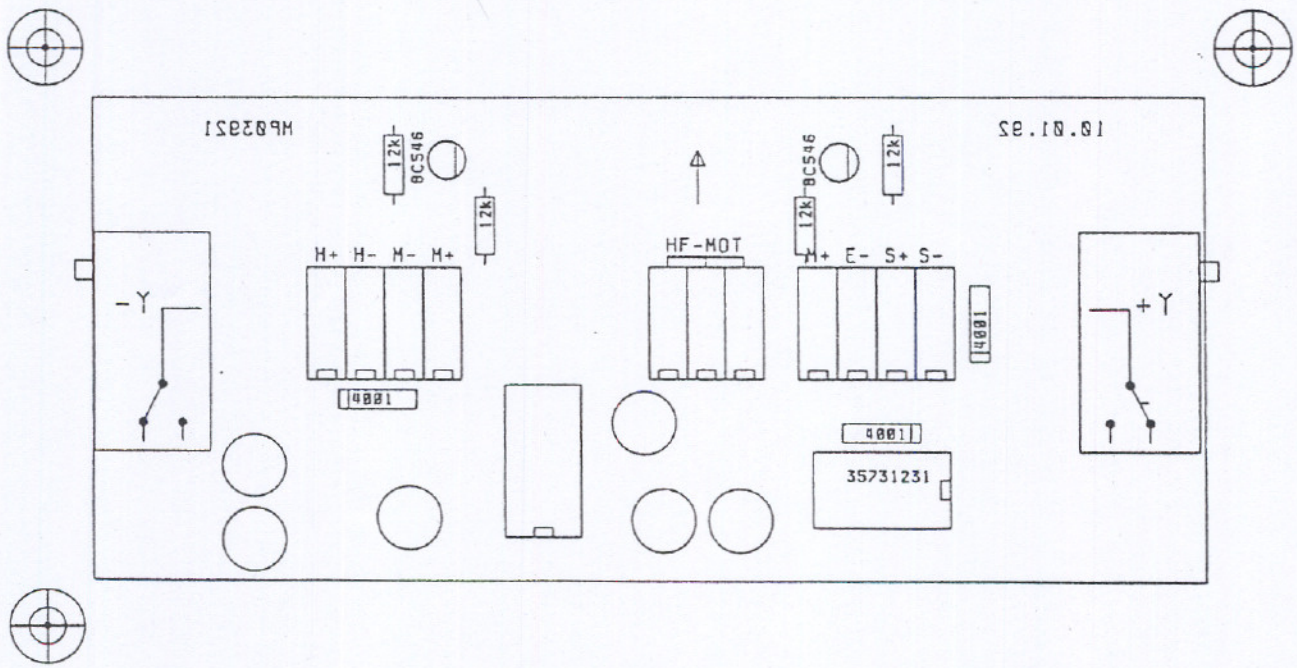
H+ H- M- M+
M+ E- S+ S-
D-1
D-2
D-3
RELAIS-1
-Y
+Y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M+ E- S+ S-
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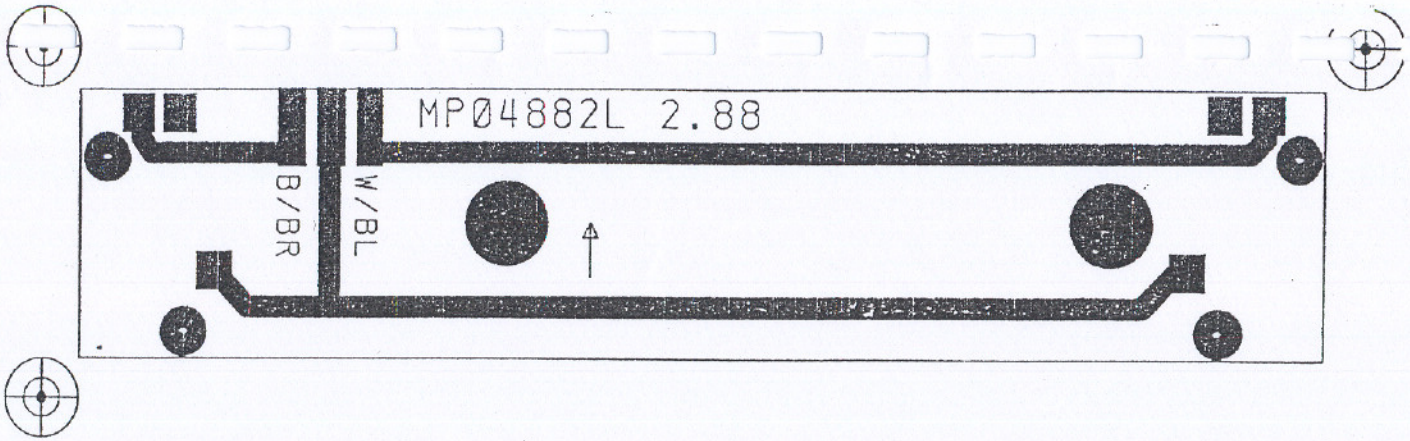
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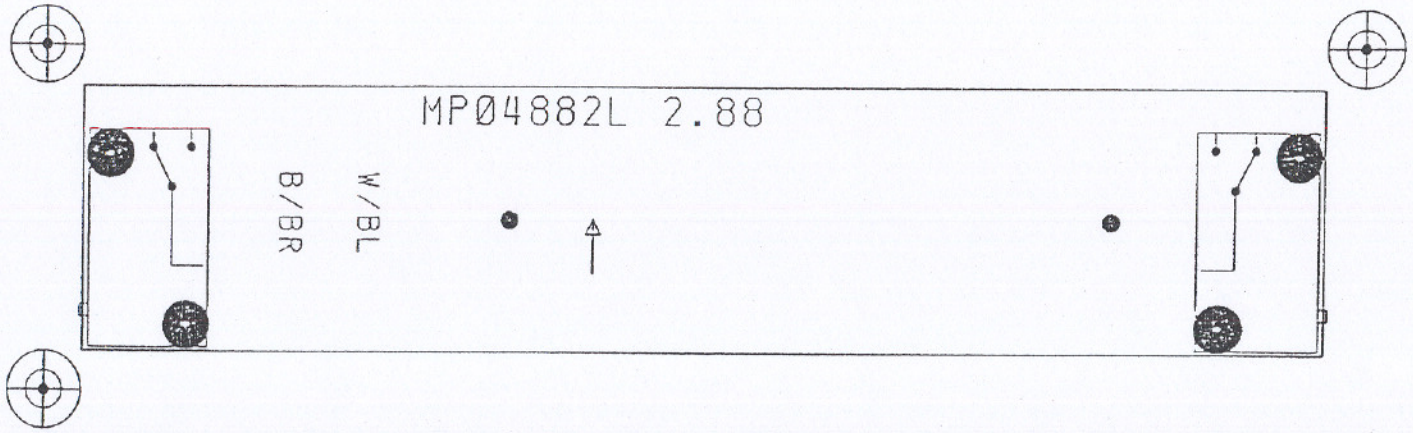
W/BL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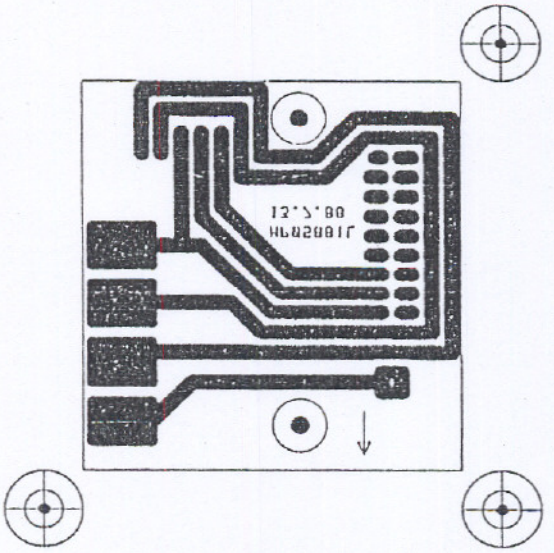
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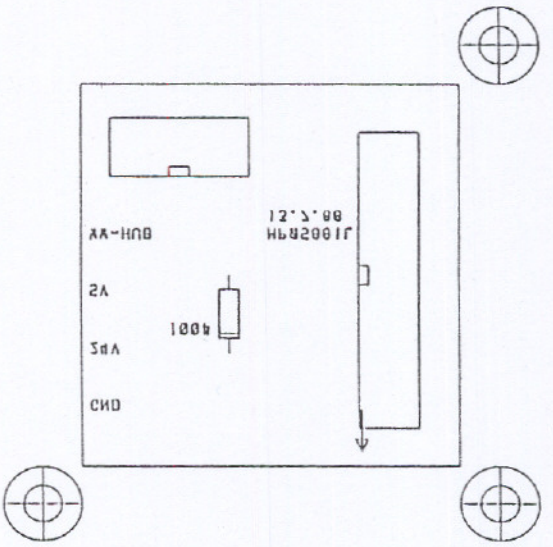
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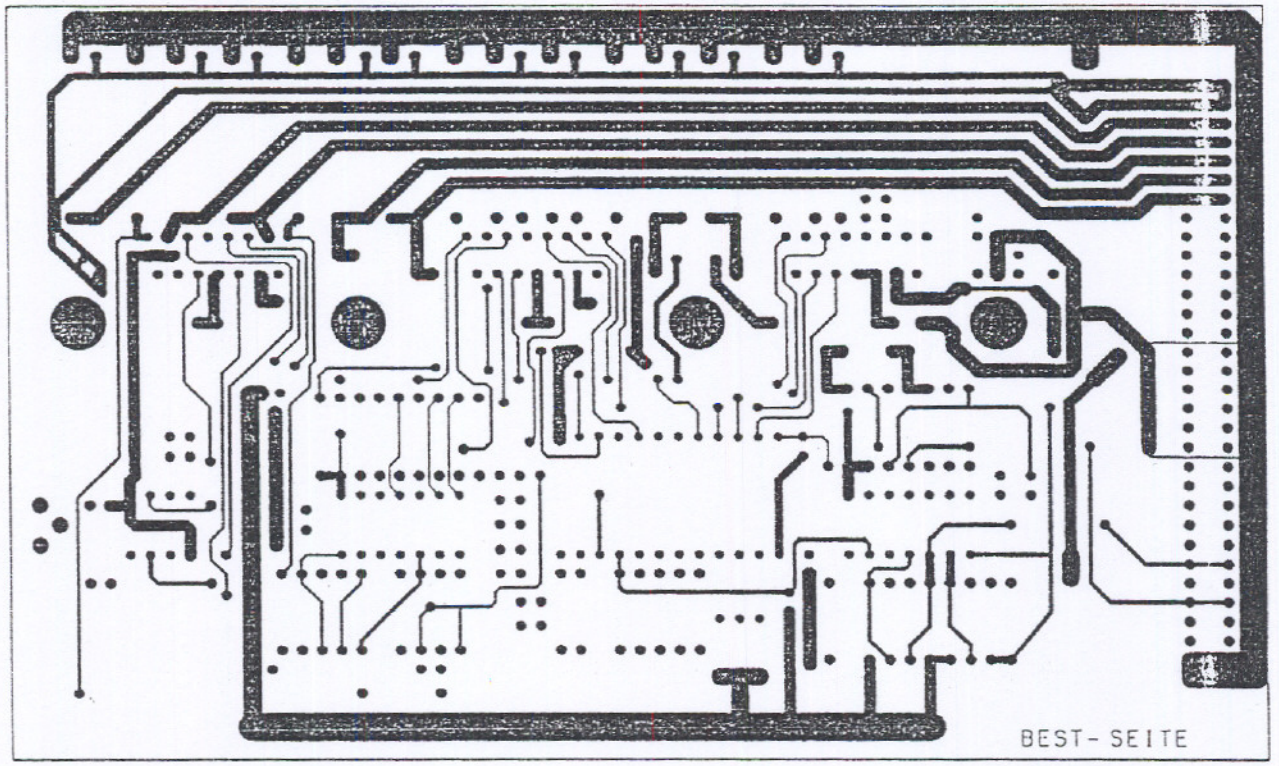
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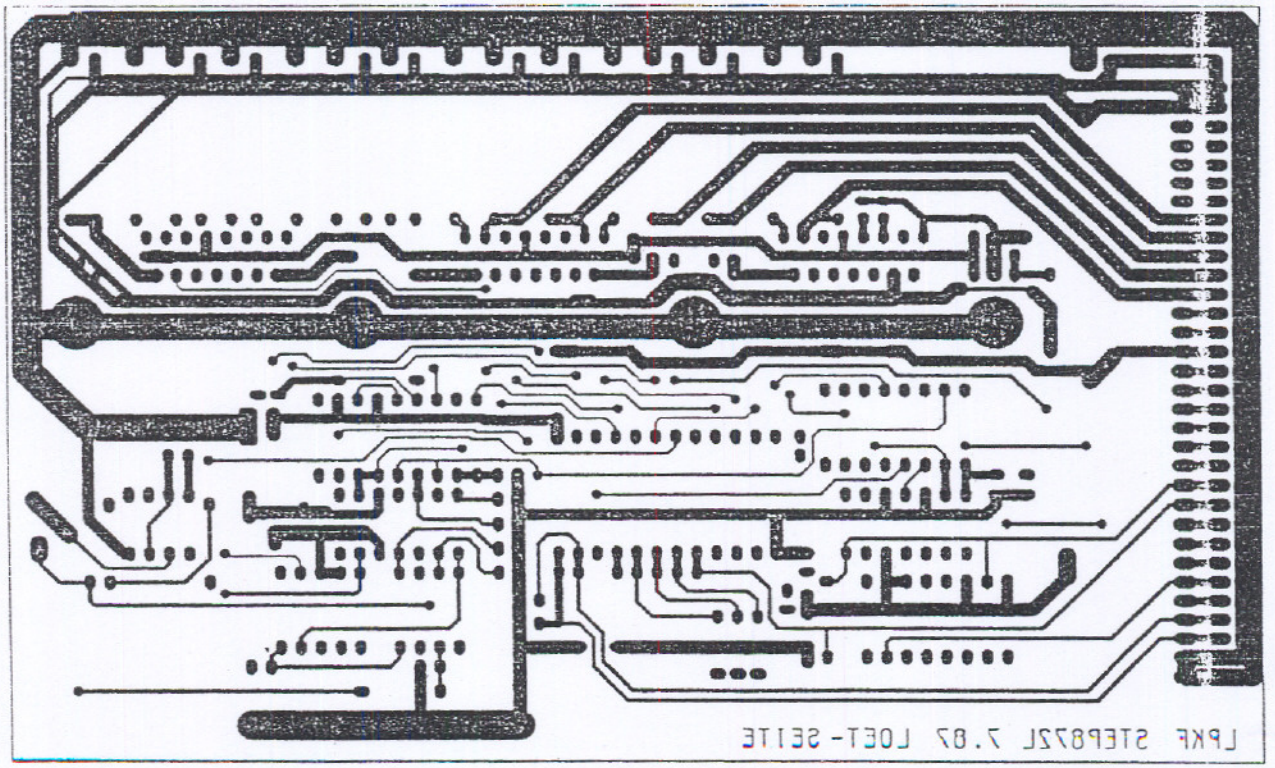
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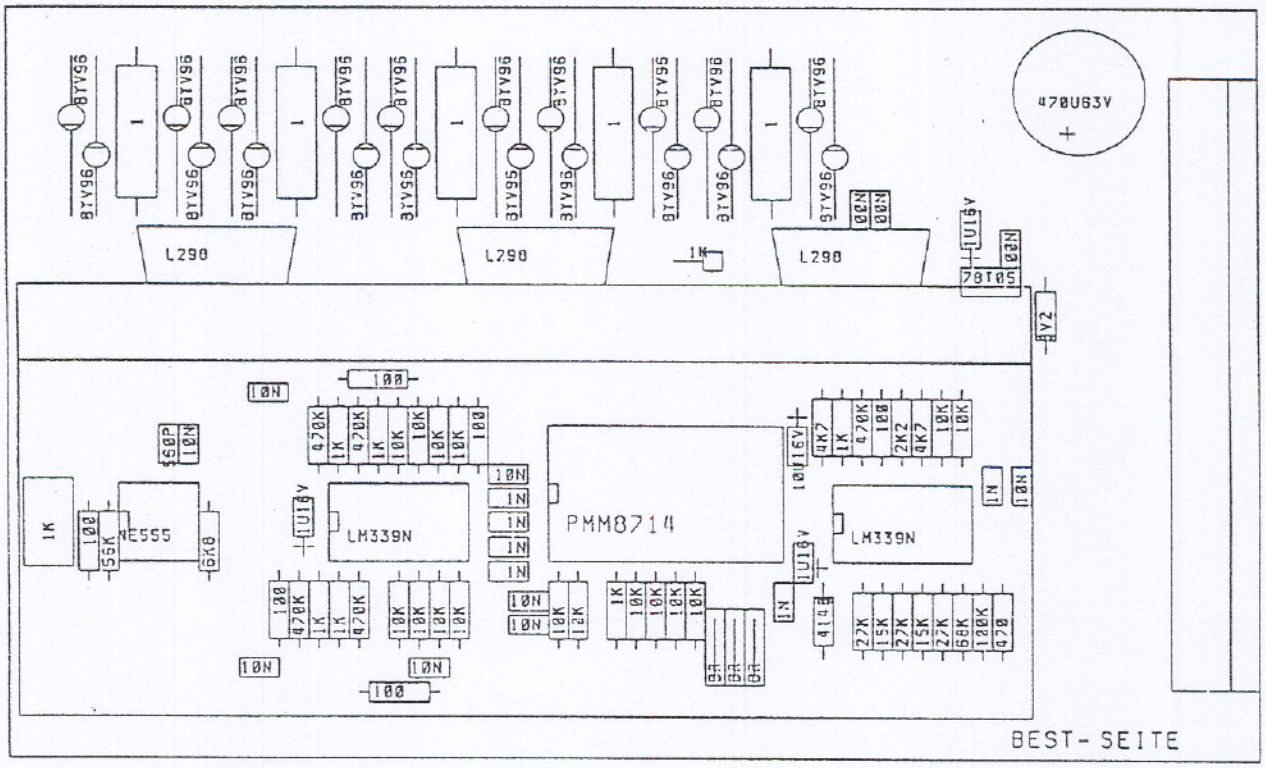
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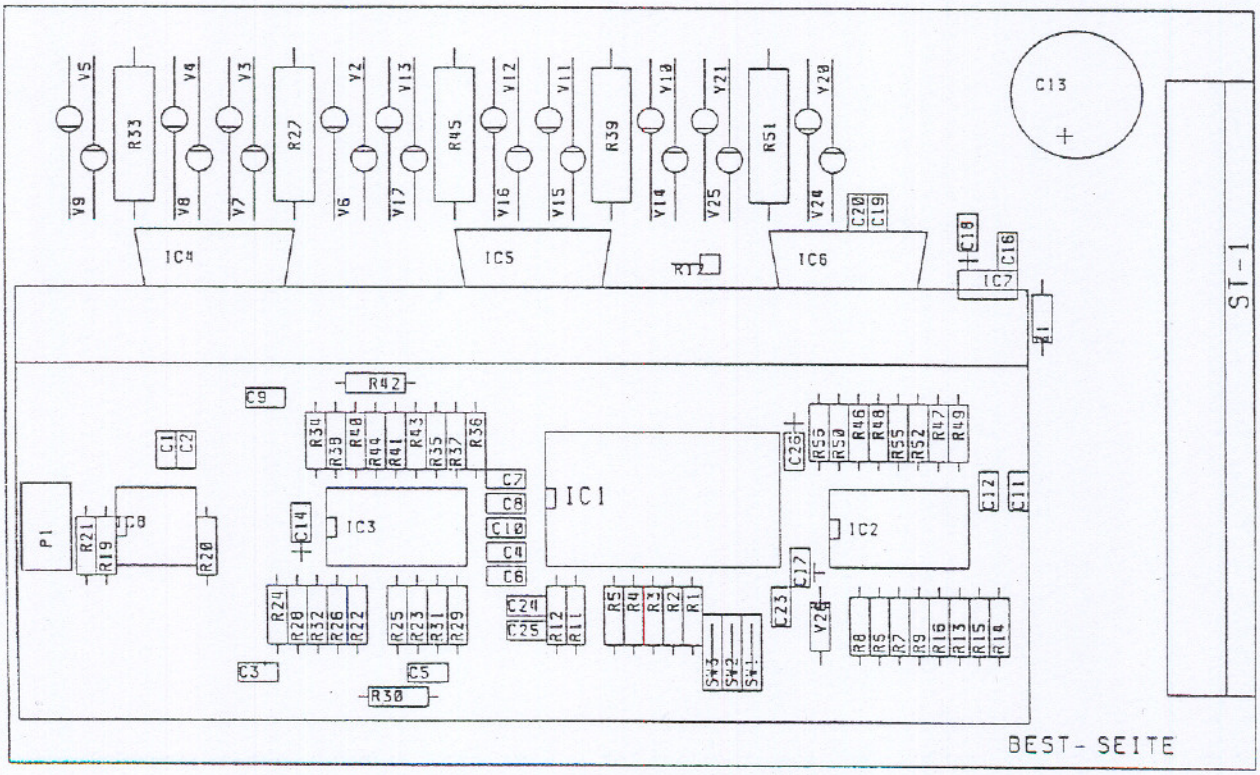
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R27
R45
R39
R51
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IC5
IC6
IC7
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IC1
IC2
IC3
P1
C8
R21
R19
R20
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C2
C9
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C24
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C5
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R5
R4
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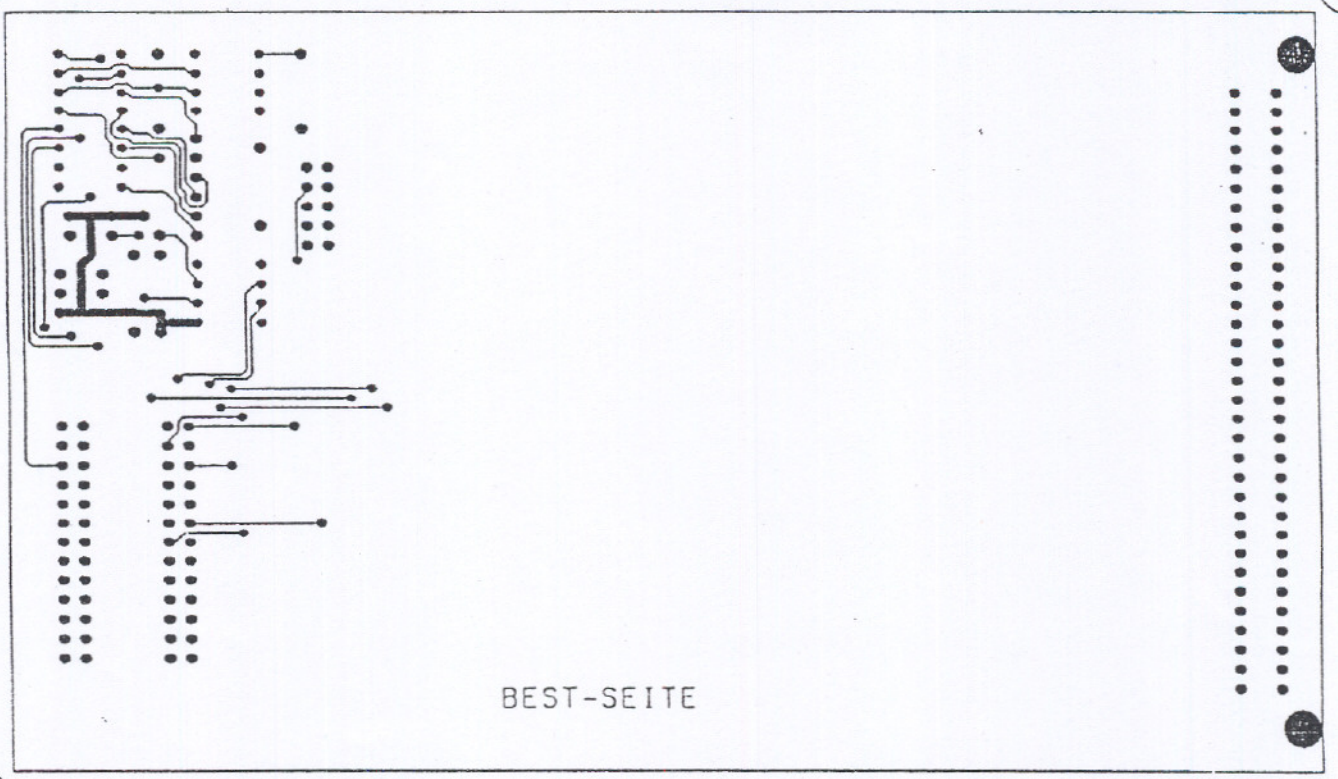
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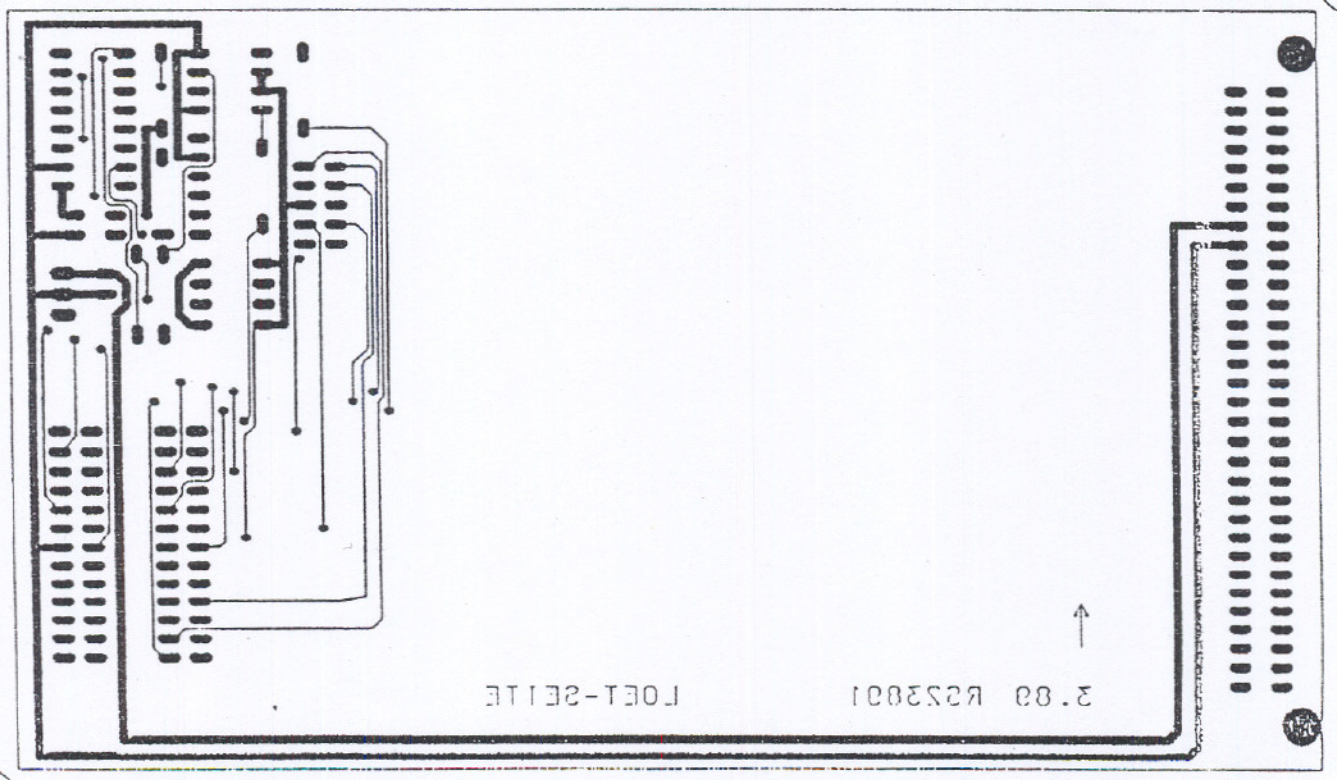
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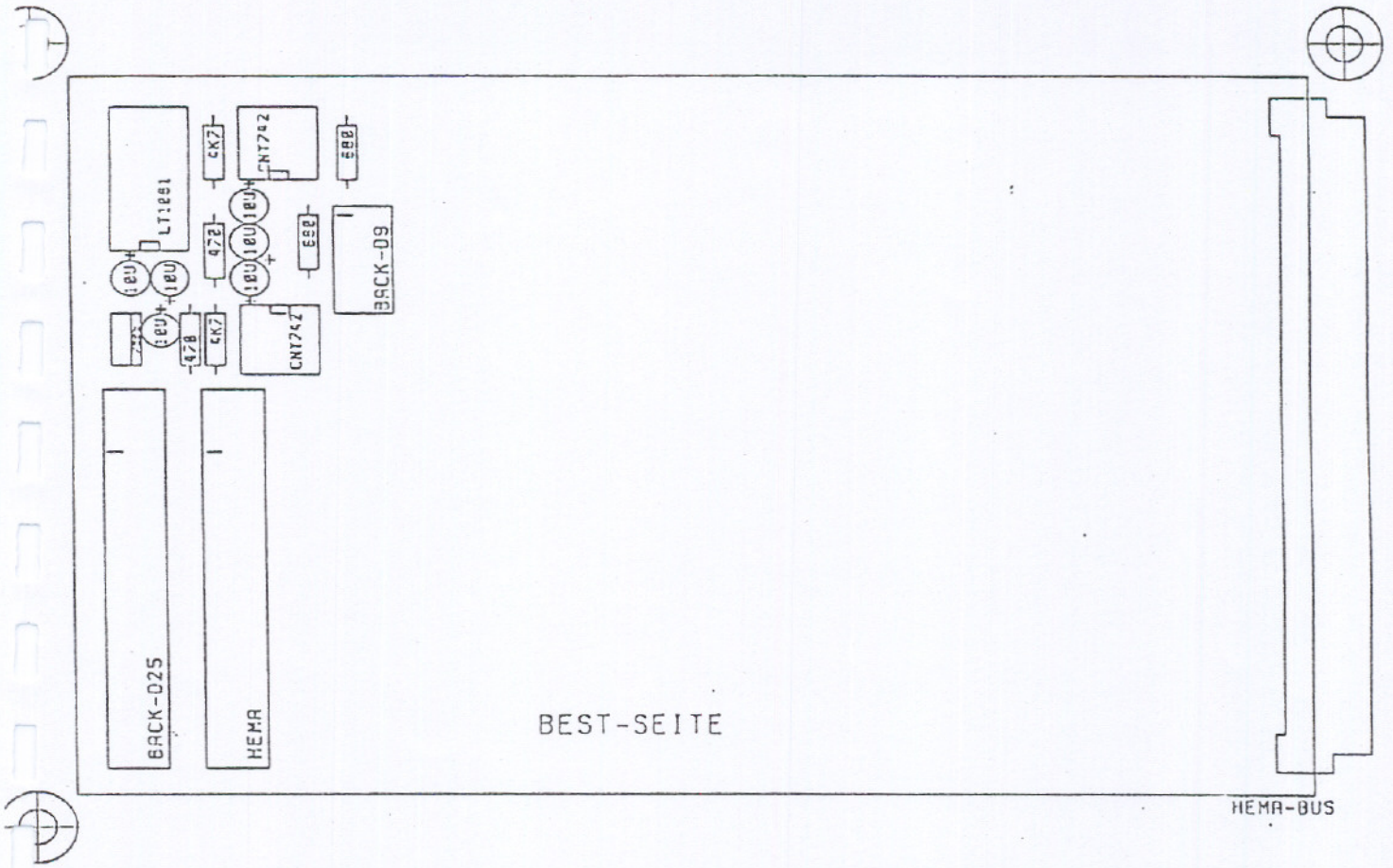
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CNT742
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BACK-D25
HEMA
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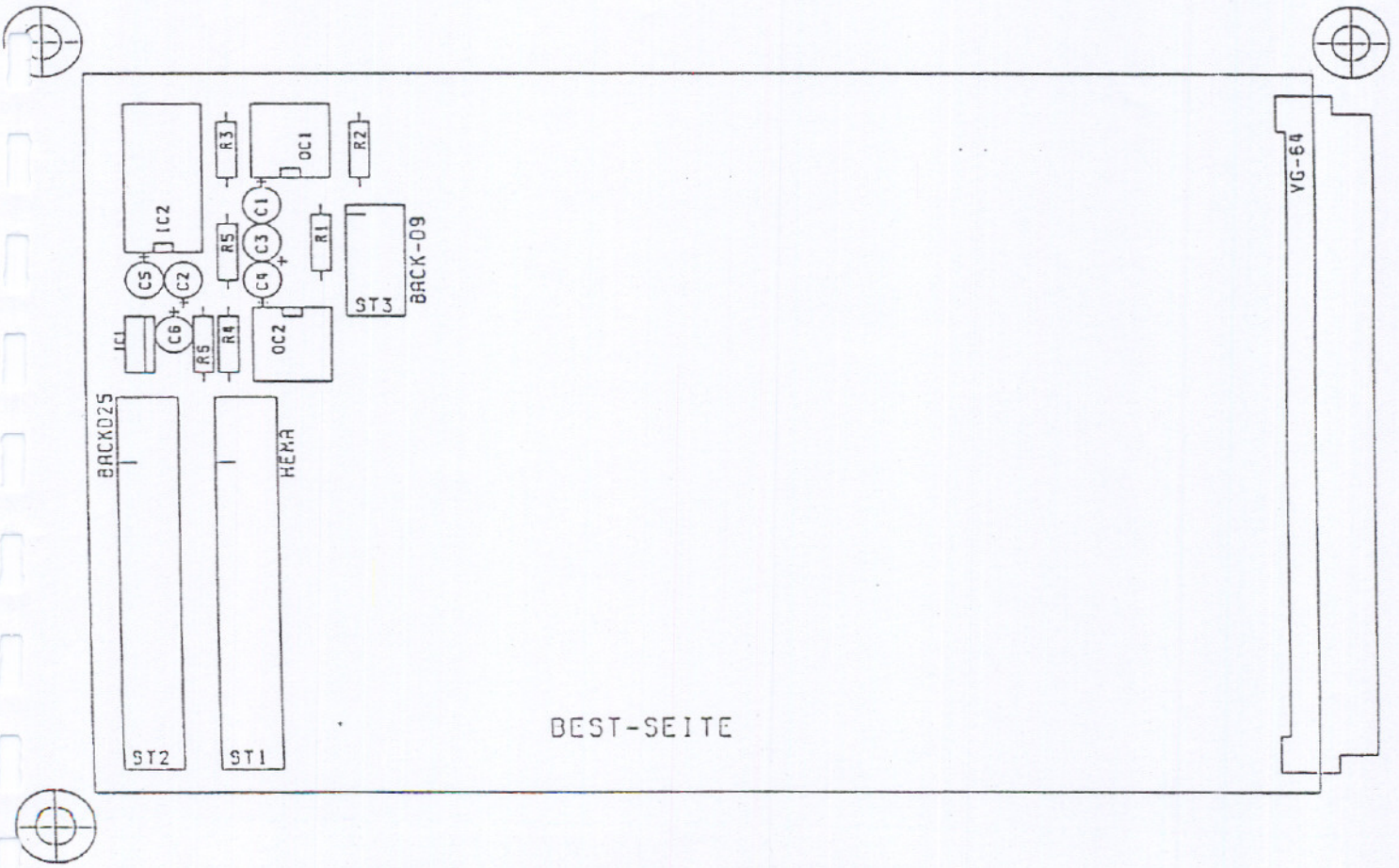
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R3
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R2
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C4
R5
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ST3
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ST2
ST1
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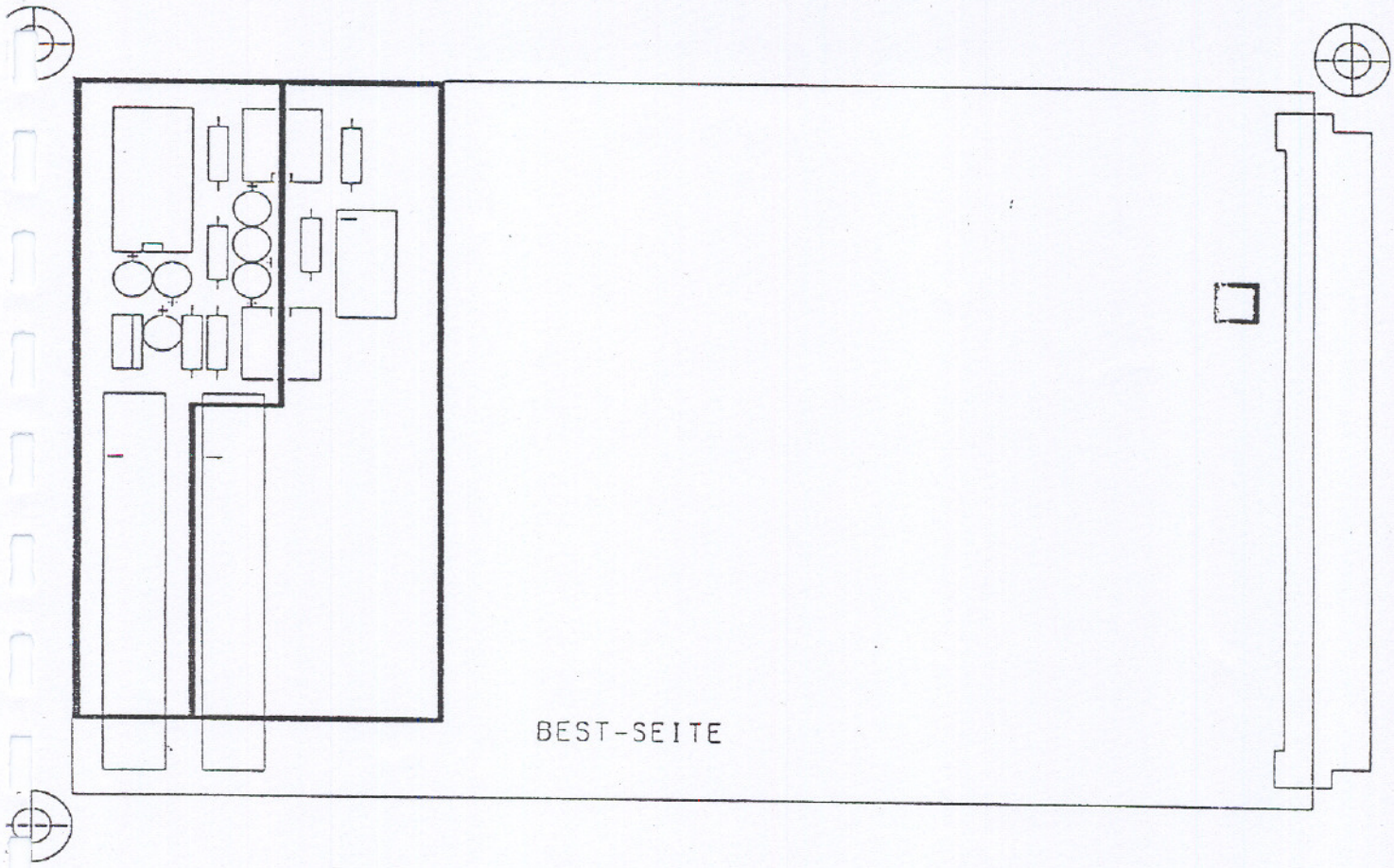
VG-64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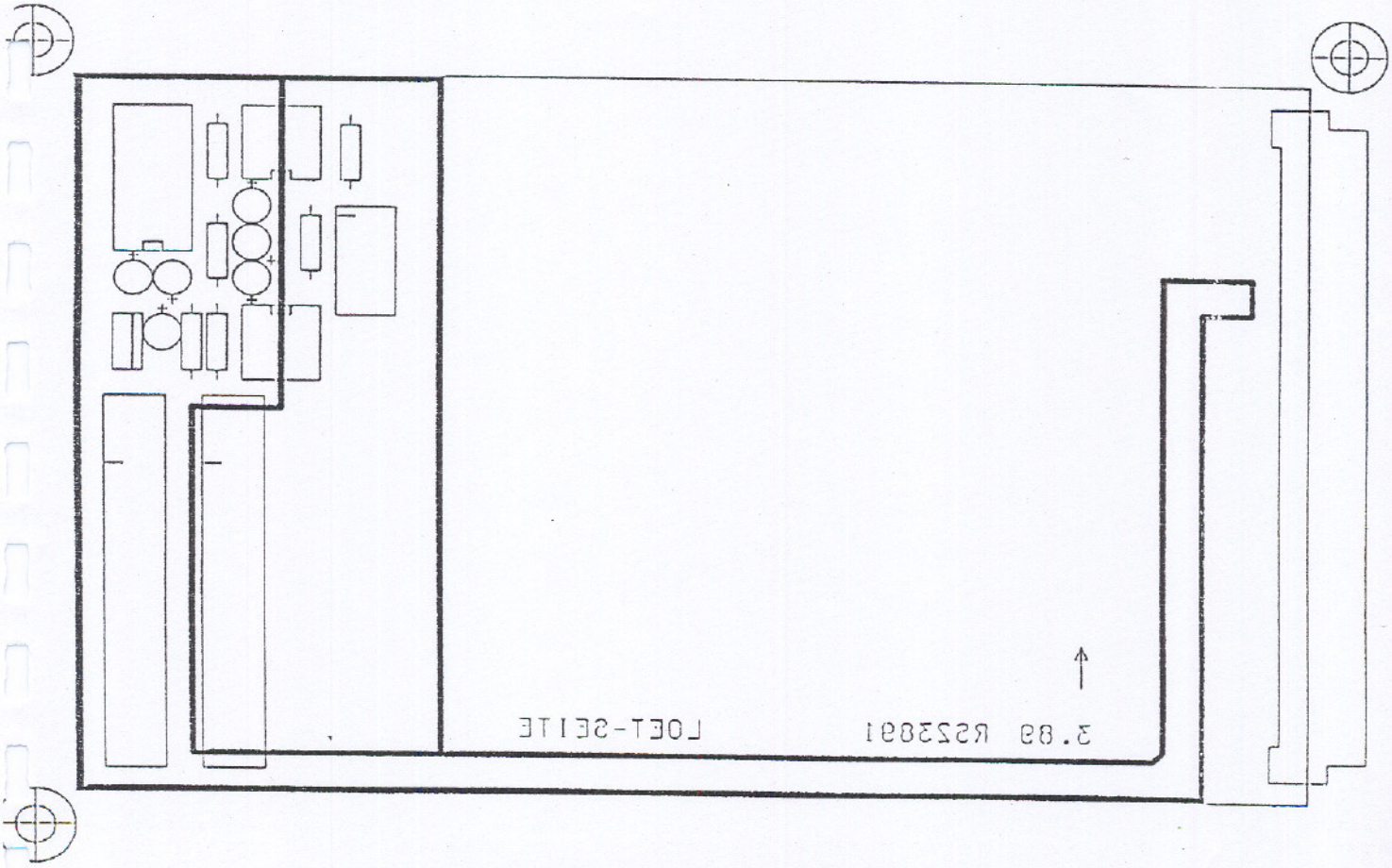
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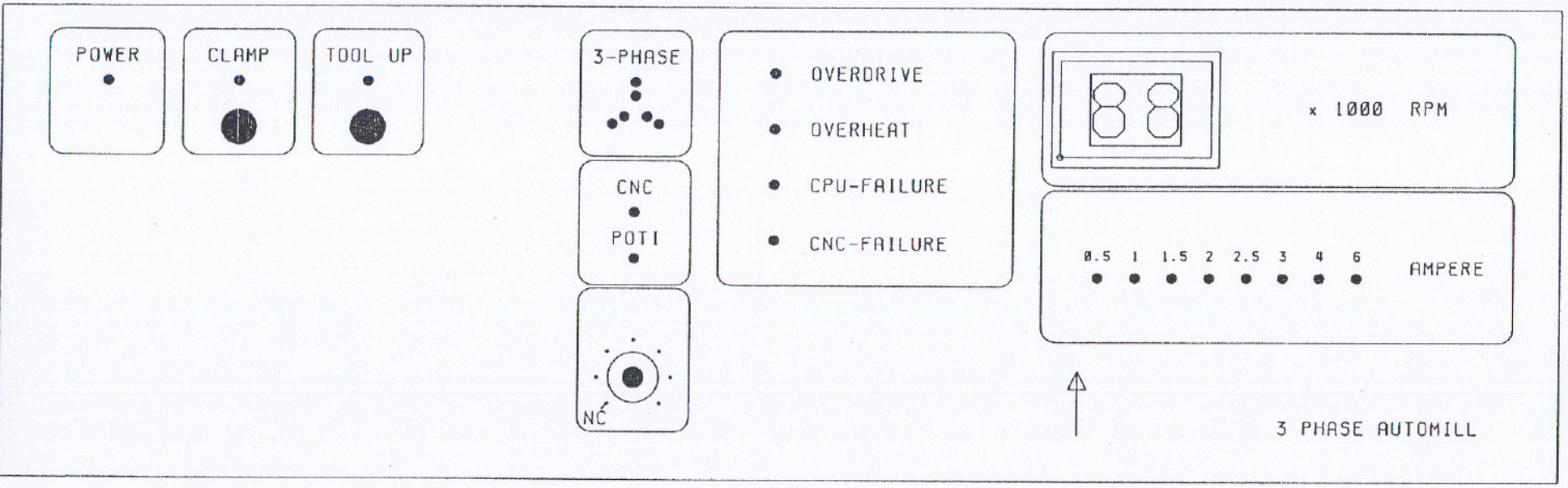
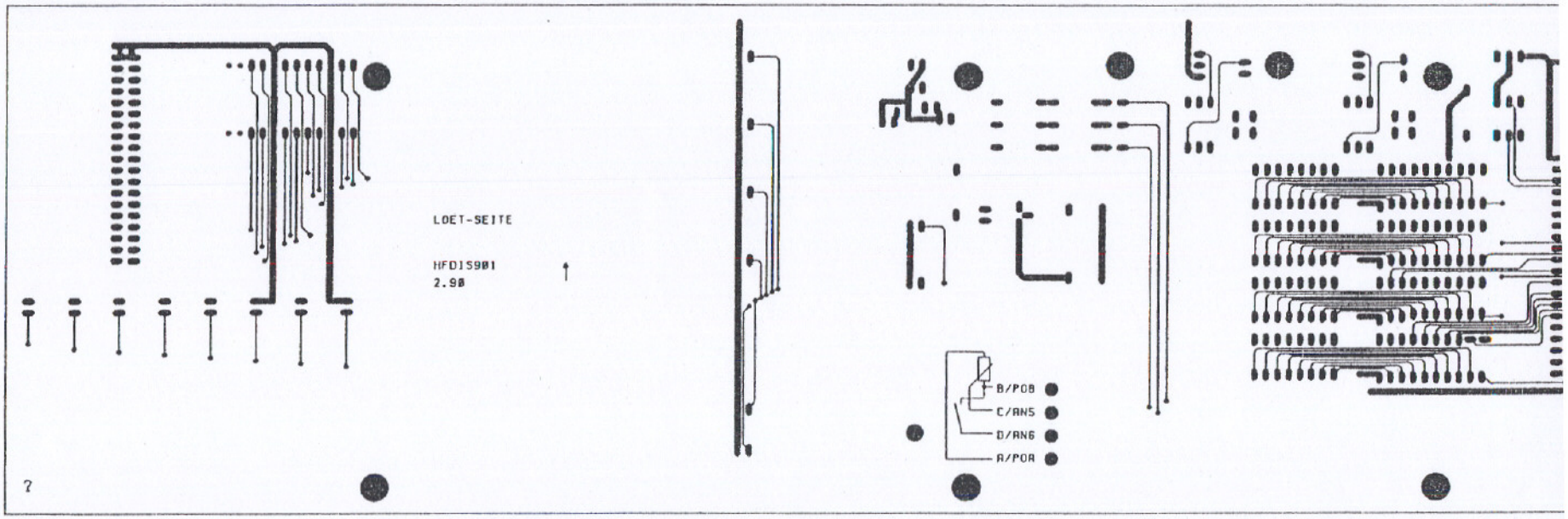

POWER
CLAMP
TOOL UP
3-PHASE
CNC
POTI
NC
OVERDRIVE
OVERHEAT
CPU-FAILURE
CNC-FAILURE
x 1000 RPM
0.5 1 1.5 2 2.5 3 4 6
AMPERE
3 PHASE AUTOMILL


LOET-SEITE
HFDIS901
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B/P08
C/AN5
D/AN6
A/P0A
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