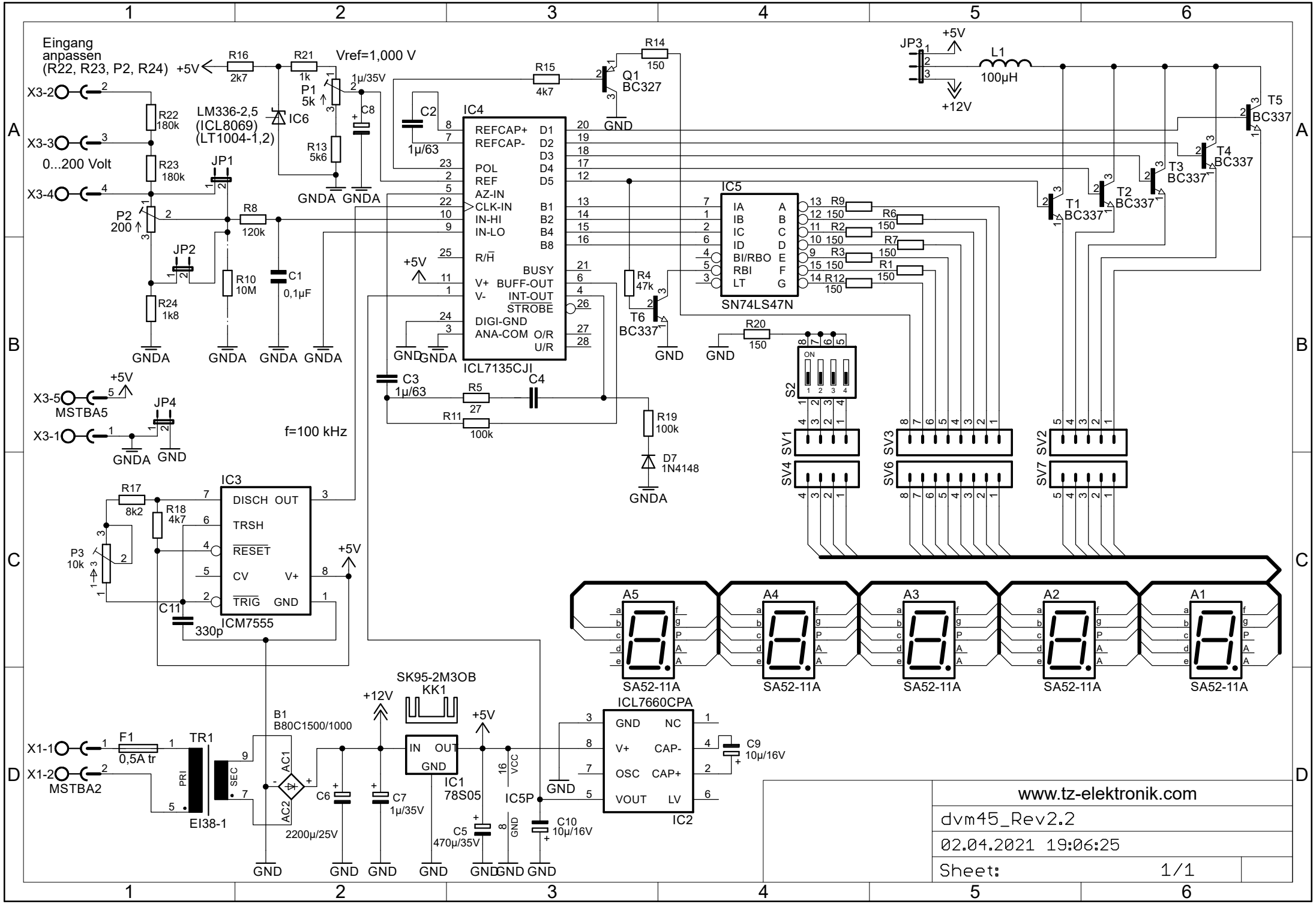
Eingang anpassen (R22, R23, P2, R24)
+5V
R16 2k7
R21 1k
Vref=1,000 V
P1 5k
1µ/35V
C8
R15 4k7
R14 150
Q1 BC327
GND
JP3
+5V
+12V
L1 100µH
X3-2
X3-3
X3-4
R22 180k
R23 180k
0...200 Volt
LM336-2,5 (ICL8069) (LT1004-1,2)
IC6
R13 5k6
GNDA
JP1
P2 200
R8 120k
JP2
R10 10M
C1 0,1µF
R24 1k8
C2 1µ/63
IC4
REFCAP+
REFCAP-
POL
REF
AZ-IN
CLK-IN
IN-HI
IN-LO
R/H̄
V+
V-
DIGI-GND
ANA-COM
D1
D2
D3
D4
D5
B1
B2
B4
B8
BUSY
BUFF-OUT
INT-OUT
STROBE
O/R
U/R
ICL7135CJI
IC5
IA
IB
IC
ID
BI/RBO
RBI
LT
A
B
C
D
E
F
G
SN74LS47N
R9 150
R6 150
R2 150
R7 150
R3 150
R1 150
R12 150
T1 BC337
T2 BC337
T3 BC337
T4 BC337
T5 BC337
R4 47k
T6 BC337
R20 150
S2
ON
SV1
SV2
SV3
SV4
SV6
SV7
X3-5
MSTBA5
JP4
X3-1
f=100 kHz
C3 1µ/63
R5 27
C4
R11 100k
R19 100k
D7 1N4148
IC3
DISCH
OUT
TRSH
RESET
CV
V+
TRIG
GND
ICM7555
R17 8k2
R18 4k7
P3 10k
C11 330p
A5
A4
A3
A2
A1
SA52-11A
SK95-2M3OB
KK1
B1 B80C1500/1000
X1-1
X1-2
MSTBA2
F1 0,5A tr
TR1
PRI
SEC
EI38-1
AC1
AC2
C6 2200µ/25V
C7 1µ/35V
IN
OUT
IC1 78S05
C5 470µ/35V
VCC
IC5P
C10 10µ/16V
ICL7660CPA
NC
CAP-
CAP+
OSC
VOUT
LV
IC2
C9 10µ/16V
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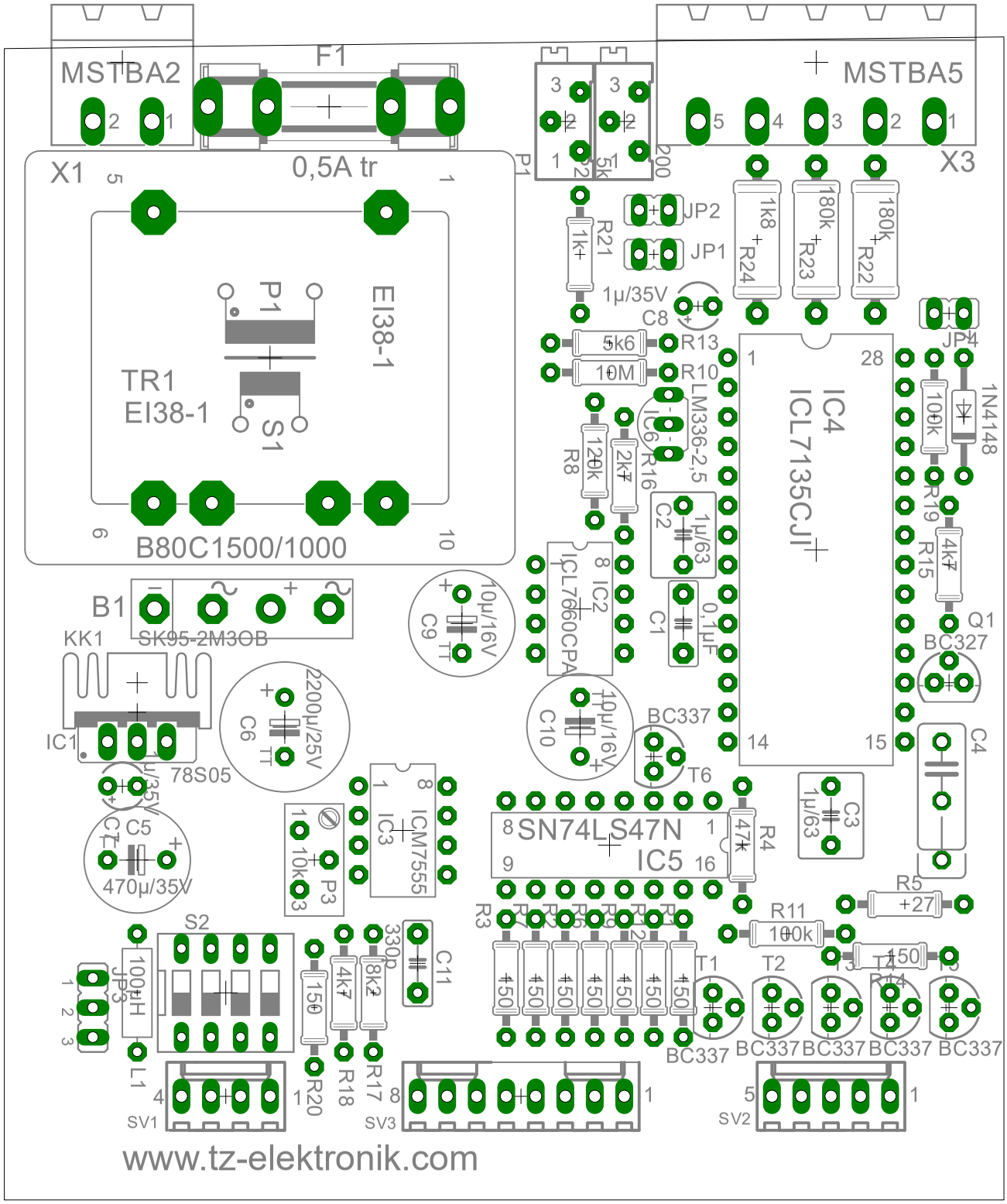
dvm45_Rev2.2
02.04.2021 19:06:25
Sheet: 1/1


MSTBA2
F1
0,5A tr
X1
TR1
EI38-1
P1
S1
B80C1500/1000
B1
SK95-2M3OB
KK1
IC1
78S05
C5
470µ/35V
C6
2200µ/25V
C9
10µ/16V
IC2
ICL7660CPA
IC3
ICM7555
P3
10k
S2
JP3
100µH
L1
SV1
SV3
SV2
P1
5k
200
R21
1k
JP2
JP1
C8
1µ/35V
R13
5k6
R10
10M
IC6
LM336-2,5
R8
120k
R16
2k7
C2
1µ/63
C1
0,1µF
C10
10µ/16V
BC337
T6
R4
47k
SN74LS47N
IC5
R3
450
T1
T2
T3
T4
T5
BC337
C11
330p
R20
150
R18
4k7
R17
8k2
1k8
R24
180k
R23
180k
R22
IC4
ICL7135CJI
JP4
100k
R19
1N4148
R15
4k7
Q1
BC327
C3
1µ/63
C4
R5
27
R11
100k
R14
150
X3
MSTBA5
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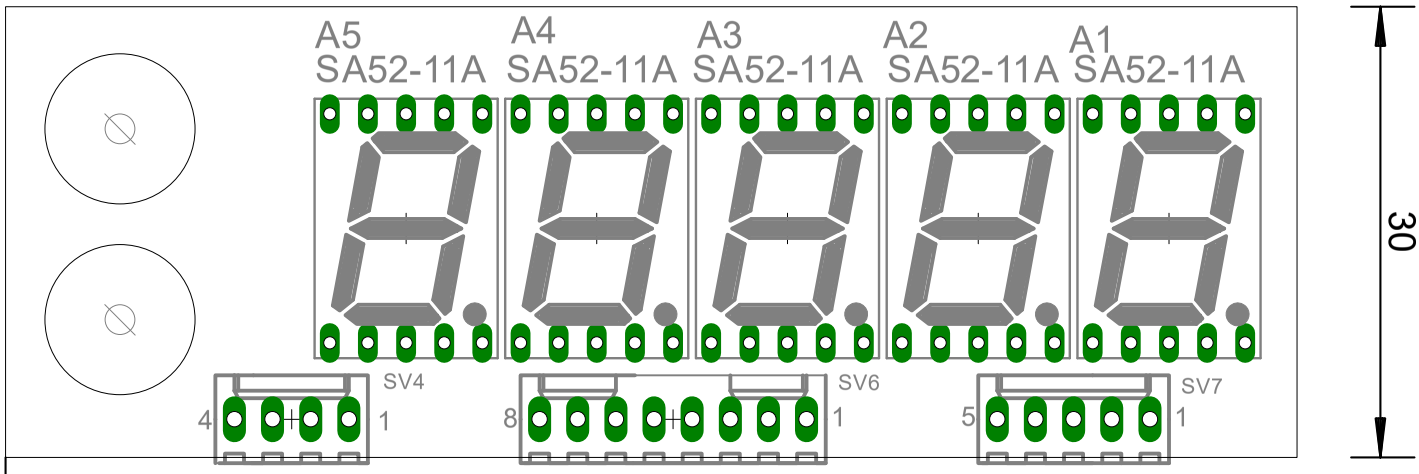
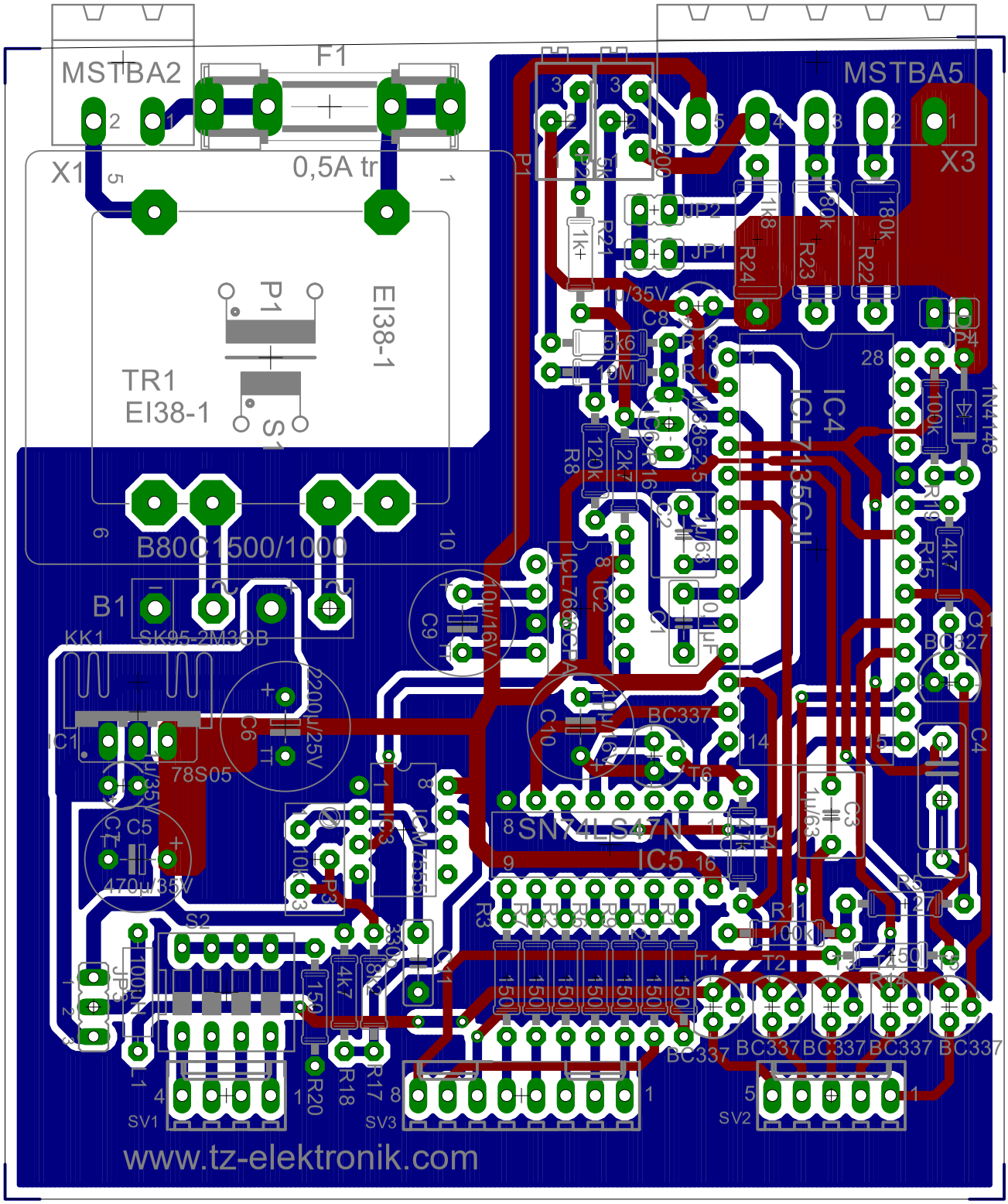

A5
SA52-11A
A4
SA52-11A
A3
SA52-11A
A2
SA52-11A
A1
SA52-11A
SV4
SV6
SV7
30
86


MSTBA2
F1
0,5A tr
X1
TR1
EI38-1
P1
S1
B80C1500/1000
B1
KK1
SK95-2M38B
IC1
78S05
C5
470µ/35V
C6
2200µ/25V
C9
10µ/16V
C10
IC2
ICL7660CPA
IC4
ICL7135CJI
IC5
SN74LS47N
MSTBA5
X3
JP1
JP2
R21
1k
R24
1k8
R23
180k
R22
180k
C8
10µ/35V
R13
5k6
R10
10M
R8
120k
R16
2k4
C12
10µ/63
C1
0µ1
R15
4k7
D4
1N4148
100k
Q1
BC327
C4
C3
1µ/63
R6
27
R11
100k
R12
150
T1
T2
BC337
T6
R3
R17
R18
R20
SV1
SV2
SV3
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A5
A4
A3
A2
A1
SA52-11A
SV4
SV6
SV7
30
86