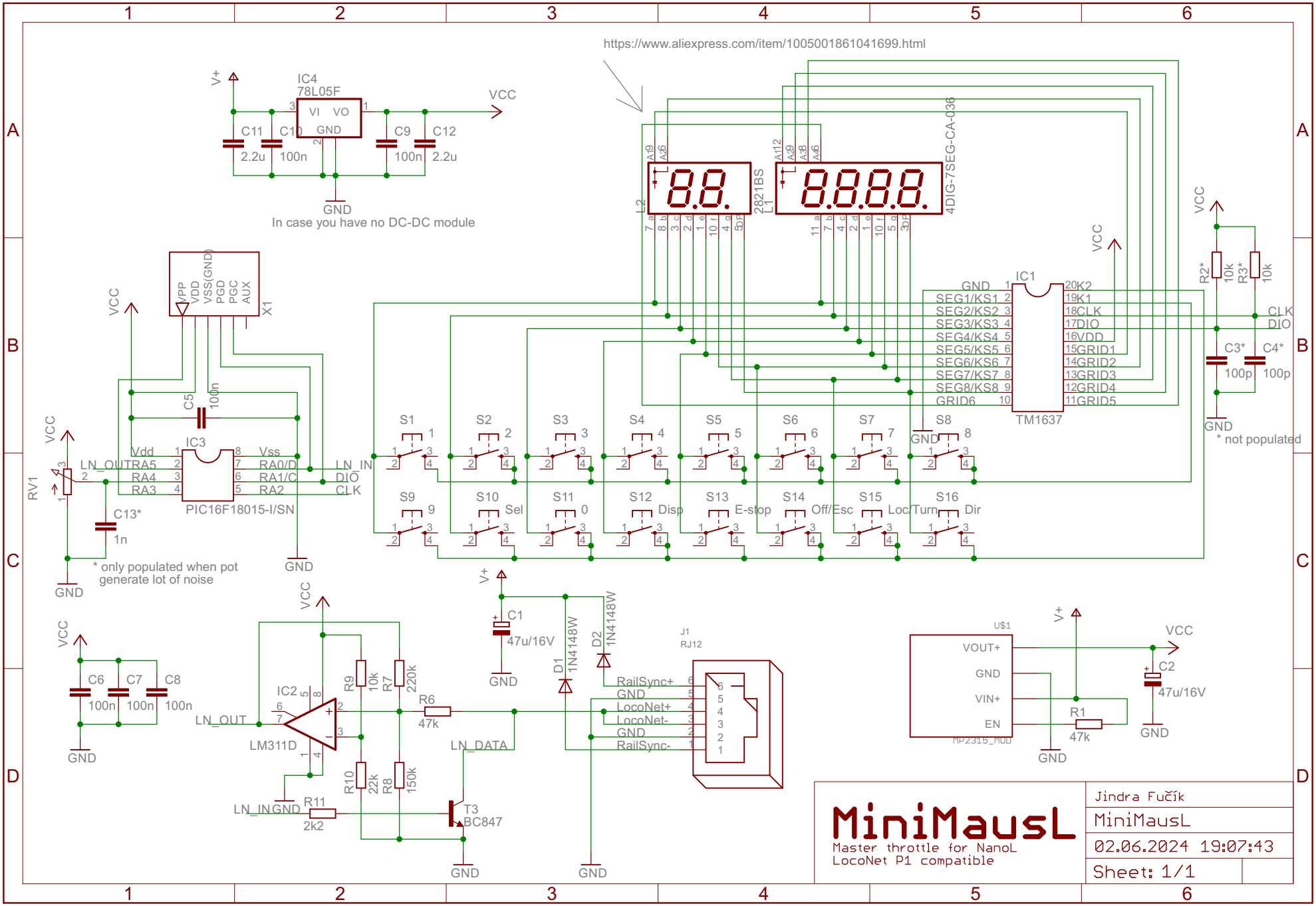
https://www.aliexpress.com/item/1005001861041699.html
IC4
78L05F
VI VO
GND
V+
VCC
C11 2.2u
C10 100n
C9 100n
C12 2.2u
In case you have no DC-DC module
2821BS
4DIG-7SEG-CA-036
L2
L1
IC1
TM1637
GND
SEG1/KS1
SEG2/KS2
SEG3/KS3
SEG4/KS4
SEG5/KS5
SEG6/KS6
SEG7/KS7
SEG8/KS8
GRID6
20K2
19K1
18CLK
17DIO
16VDD
15GRID1
14GRID2
13GRID3
12GRID4
11GRID5
R2* 10k
R3* 10k
C3* 100p
C4* 100p
* not populated
X1
VPP
VDD
VSS(GND)
PGD
PGC
AUX
C5 100n
IC3
PIC16F18015-I/SN
Vdd
Vss
RA5
RA4
RA3
RA0/D
RA1/C
RA2
LN_OUT
LN_IN
DIO
CLK
RV1
C13* 1n
* only populated when pot generate lot of noise
S1 1
S2 2
S3 3
S4 4
S5 5
S6 6
S7 7
S8 8
S9 9
S10 Sel
S11 0
S12 Disp
S13 E-stop
S14 Off/Esc
S15 Loc/Turn
S16 Dir
C6 100n
C7 100n
C8 100n
IC2
LM311D
R9 10k
R7 220k
R6 47k
R10 22k
R8 150k
R11 2k2
LN_DATA
T3
BC847
C1 47u/16V
D1 1N4148W
D2 1N4148W
J1
RJ12
RailSync+
GND
LocoNet+
LocoNet-
GND
RailSync-
U$1
VOUT+
GND
VIN+
EN
MP2315_MOD
R1 47k
C2 47u/16V
MiniMausL
Master throttle for NanoL
LocoNet P1 compatible
Jindra Fučík
MiniMausL
02.06.2024 19:07:43
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