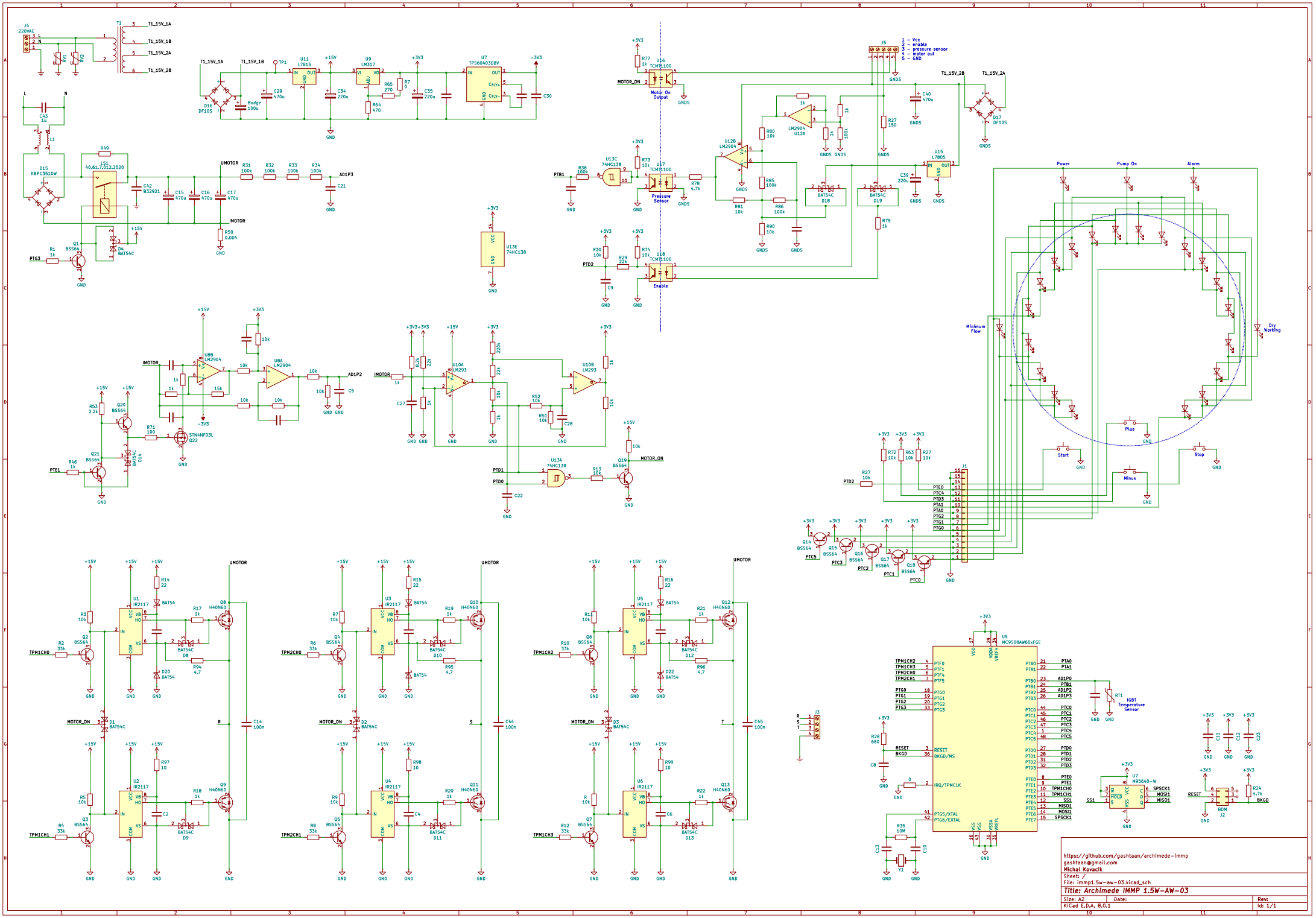
J4 220VAC
T1
T1_15V_1A
T1_15V_1B
T1_15V_2A
T1_15V_2B
RV1
RV2
D16 DF10S
U11 L7815
U9 LM317
U7 TPS60403DBV
C29 470u
Bodge 100u
C34 220u
C35 220u
C30
R65 270
R64 470
R7 0
D15 KBPC3510W
LS1 40.61.7.012.2020
R49
C42 B32921
C15 470u
C16 470u
C17 470u
UMOTOR
IMOTOR
R31 100k
R32 100k
R33 100k
R34 100k
AD1P3
C21
R50 0.004
D4 BAT54C
Q1 BSS64
R1 1k
PTG3
U13E 74HC138
U16 TCMB100
Motor On Output
MOTOR_ON
U13C 74HC138
U17 TCMB100
Pressure Sensor
U18 TCMB100
Enable
PTB1
R38 100k
R73 10k
R77 1k
R78 4.7k
R30 10k
R29 22k
R74 10k
PTD2
C9
U12B LM2904
U12A LM2904
R80 10k
R85 100k
R86 100k
R81 10k
R90 10k
R79 1k
R27 150
C40 470u
C39 220u
U15 L7805
D18 BAT54C
D19 BAT54C
J5
1 – Vcc
2 – enable
3 – pressure sensor
4 – motor out
5 – GND
D17 DF10S
U8B LM2904
U8A LM2904
AD1P2
C5
Q20 BSS64
Q21 BSS64
R53 2.2k
R71 100
STN4NF03L Q22
D14 BAT54C
R46 1k
PTE1
U10A LM293
U10B LM293
U13A 74HC138
PTD1
PTD0
R13 10k
Q19 BSS64
MOTOR_ON
C22
Power
Pump On
Alarm
Minimum Flow
Dry Working
Plus
Minus
Start
Stop
J1
PTE4
PTC4
PTD3
PTA5
PTA0
PTG2
PTG1
PTG0
Q14 BSS64
Q15 BSS64
Q16 BSS64
Q17 BSS64
Q18 BSS64
PTC5
PTC3
PTC2
PTC1
PTC0
U1 IR2117
U2 IR2117
U3 IR2117
U4 IR2117
U5 IR2117
U6 IR2117
Q8 H40N60
Q9 H40N60
Q10 H40N60
Q11 H40N60
Q12 H40N60
Q13 H40N60
TPM1CH0
TPM1CH1
TPM2CH0
TPM2CH1
TPM1CH2
TPM1CH3
MOTOR_ON
D1 BAT54C
D2 BAT54C
D3 BAT54C
C14 100n
C44 100n
C45 100n
J3
U5 MC9S08AW60xFGE
RT1 IGBT Temperature Sensor
U7 M95640-W
BDM J2
RESET
BKGD
SS1
SPSCK1
MOSI1
MISO1
Y1
https://github.com/gashtaan/archimede-immp
gashtaan@gmail.com
Michal Kovacik
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Rev:
KiCad E.D.A. 8.0.1
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