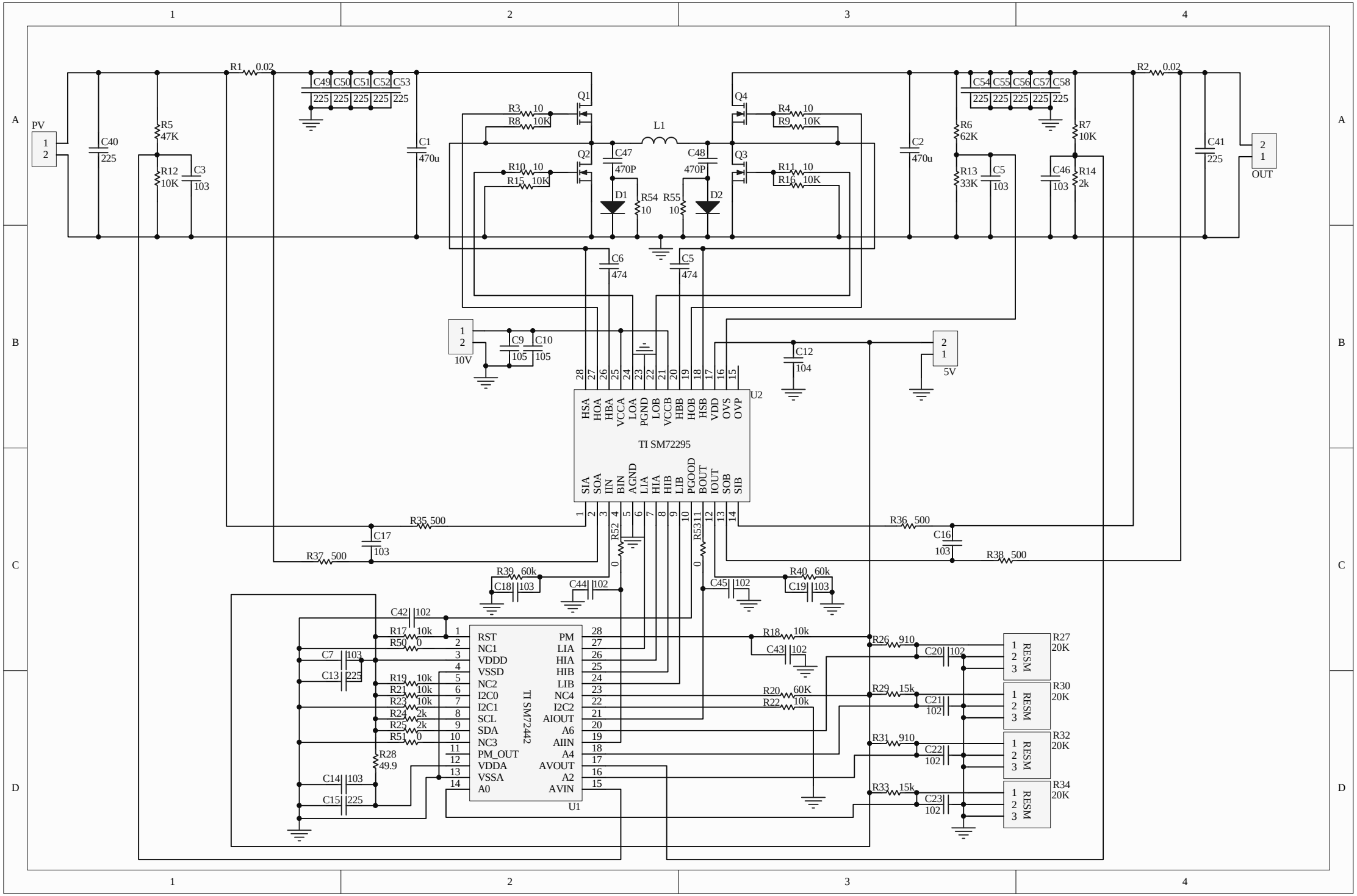
PV
OUT
10V
5V
R1 0.02
R2 0.02
C40 225
R5 47K
R12 10K
C3 103
C49 C50 C51 C52 C53 225 225 225 225 225
C1 470u
Q1
Q2
Q3
Q4
R3 10
R8 10K
R10 10
R15 10K
R4 10
R9 10K
R11 10
R16 10K
L1
C47 470P
C48 470P
D1
D2
R54 10
R55 10
C6 474
C5 474
C2 470u
C54 C55 C56 C57 C58 225 225 225 225 225
R6 62K
R13 33K
C5 103
R7 10K
C46 103
R14 2k
C41 225
C9 105
C10 105
C12 104
U2
TI SM72295
HSA HOA HBA VCCA LOA PGND LOB VCCB HBB HOB HSB VDD OVS OVP
SIA SOA IIN BIN AGND LIA HIA HIB LIB PGOOD BOUT IOUT SOB SIB
R35 500
R36 500
C17 103
C16 103
R37 500
R38 500
R52 0
R53 0
R39 60k
R40 60k
C18 103
C44 102
C45 102
C19 103
C42 102
R17 10k
R50 0
C7 103
C13 225
R19 10k
R21 10k
R23 10k
R24 2k
R25 2k
R51 0
R28 49.9
C14 103
C15 225
U1
TI SM72442
RST NC1 VDDD VSSD NC2 I2C0 I2C1 SCL SDA NC3 PM_OUT VDDA VSSA A0
PM LIA HIA HIB LIB NC4 I2C2 AIOUT A6 AIIN A4 AVOUT A2 AVIN
R18 10k
C43 102
R20 60K
R22 10k
R26 910
R29 15k
R31 910
R33 15k
C20 102
C21 102
C22 102
C23 102
RESM
R27 20K
R30 20K
R32 20K
R34 20K