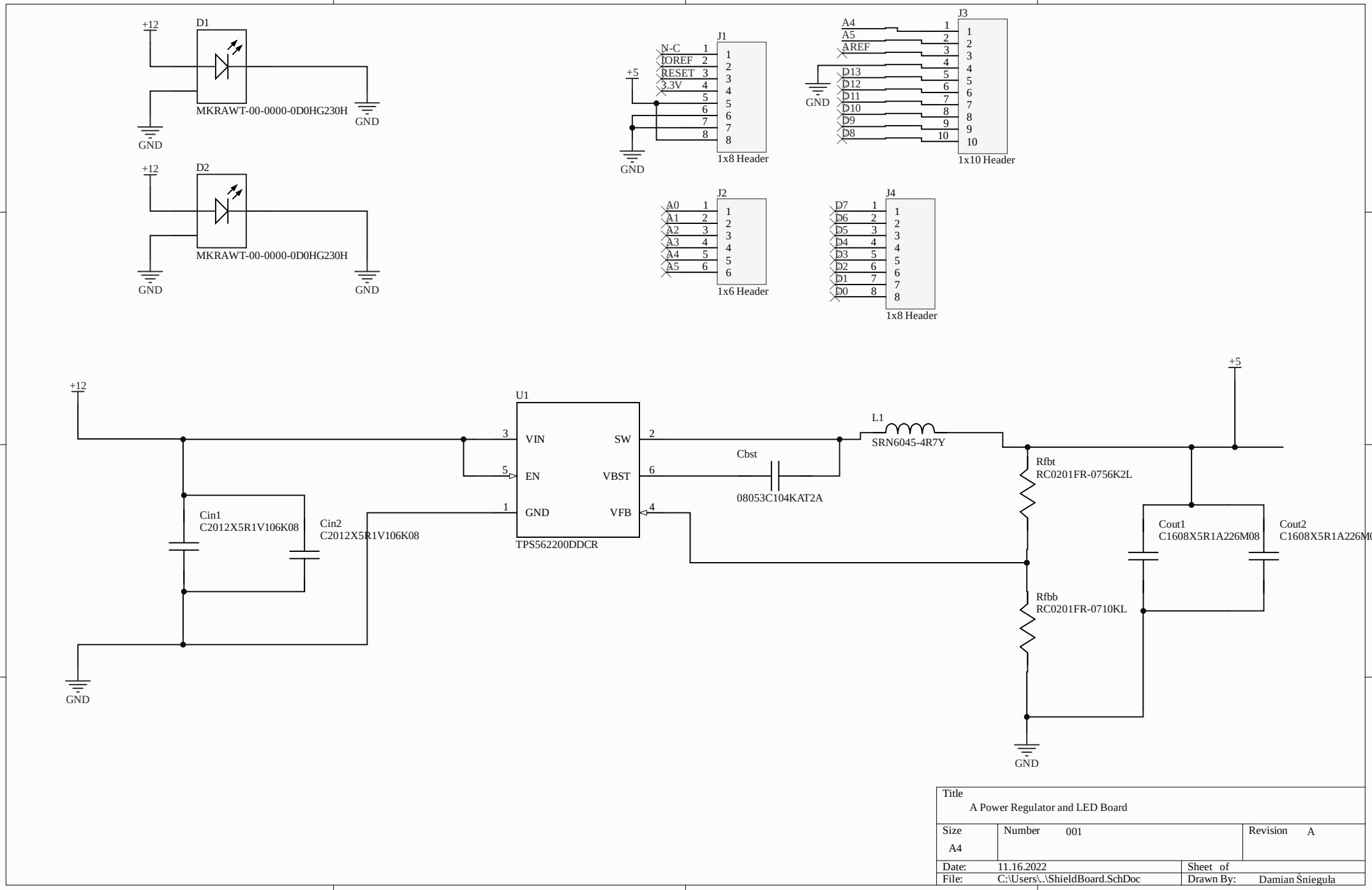
+12
D1
MKRAWT-00-0000-0D0HG230H
GND
GND
+12
D2
MKRAWT-00-0000-0D0HG230H
GND
GND
J1
N-C
IOREF
RESET
3.3V
+5
GND
1x8 Header
J3
A4
A5
AREF
D13
D12
D11
D10
D9
D8
GND
1x10 Header
J2
A0
A1
A2
A3
A4
A5
1x6 Header
J4
D7
D6
D5
D4
D3
D2
D1
D0
1x8 Header
+12
U1
VIN
EN
GND
SW
VBST
VFB
TPS562200DDCR
Cin1
C2012X5R1V106K08
Cin2
C2012X5R1V106K08
GND
Cbst
08053C104KAT2A
L1
SRN6045-4R7Y
Rfbt
RC0201FR-0756K2L
Rfbb
RC0201FR-0710KL
+5
Cout1
C1608X5R1A226M08
Cout2
C1608X5R1A226M08
GND
Title
A Power Regulator and LED Board
Size
A4
Number
001
Revision
A
Date:
11.16.2022
Sheet of
File:
C:\Users\..\ShieldBoard.SchDoc
Drawn By:
Damian Śnieguła