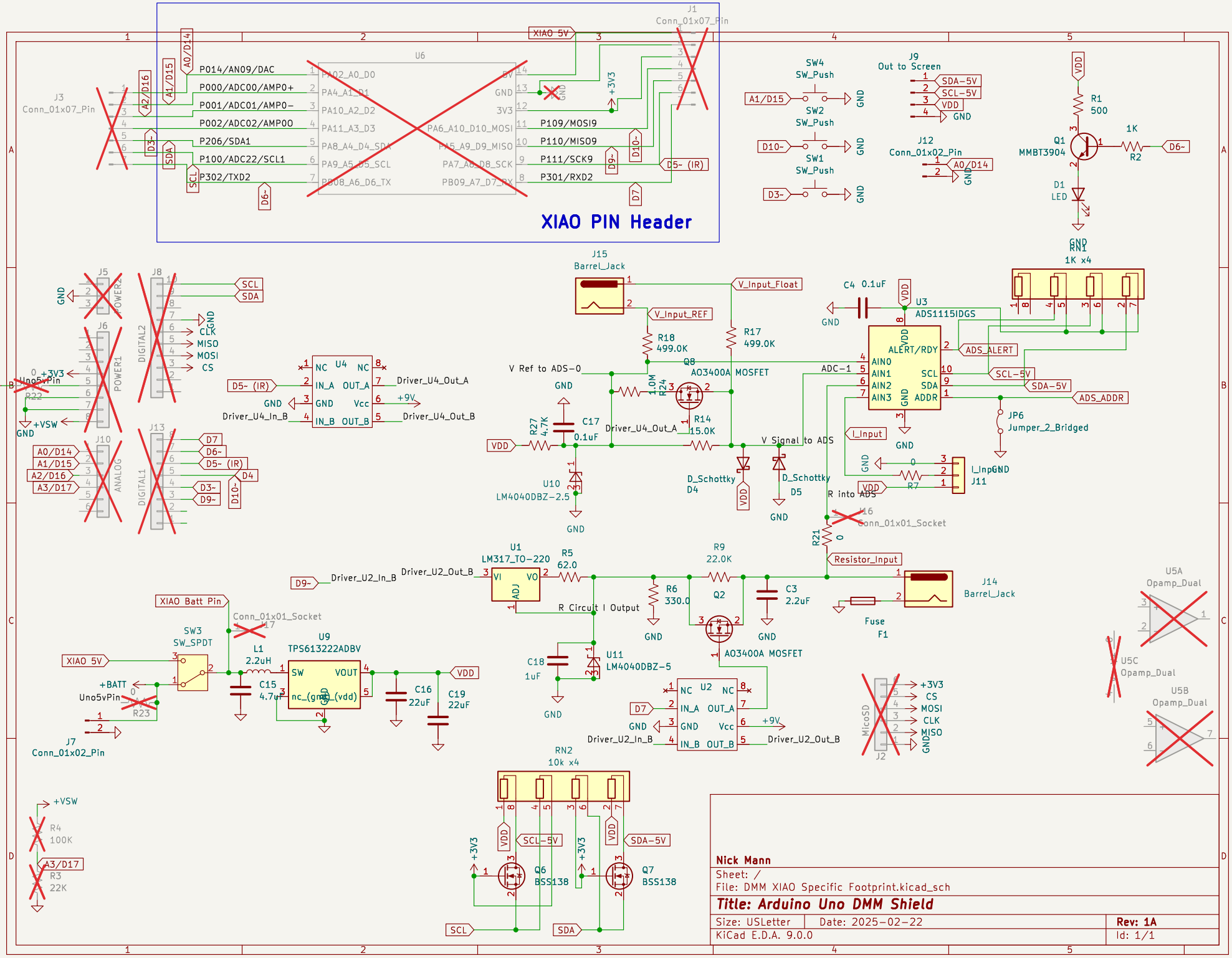
XIAO PIN Header
J1
Conn_01x07_Pin
U6
J3
Conn_01x07_Pin
P014/AN09/DAC
P000/ADC00/AMP0+
P001/ADC01/AMP0−
P002/ADC02/AMP00
P206/SDA1
P100/ADC22/SCL1
P302/TXD2
P109/MOSI9
P110/MISO9
P111/SCK9
P301/RXD2
XIAO 5V
+3V3
GND
D5- (IR)
SW4
SW_Push
SW2
SW_Push
SW1
SW_Push
A1/D15
D10-
D3-
J9
Out to Screen
SDA-5V
SCL-5V
VDD
J12
Conn_01x02_Pin
A0/D14
R1
500
Q1
MMBT3904
1K
R2
D6-
D1
LED
RN1
1K x4
J15
Barrel_Jack
V_Input_Float
V_Input_REF
R18
499.0K
R17
499.0K
C4 0.1uF
U3
ADS1115IDGS
ALERT/RDY
AIN0
AIN1
AIN2
AIN3
SCL
SDA
ADDR
ADS_ALERT
SCL-5V
SDA-5V
ADS_ADDR
JP6
Jumper_2_Bridged
V Ref to ADS−0
Q8
AO3400A MOSFET
ADC−1
R24
1.0M
R14
15.0K
R27
4.7K
C17
0.1uF
Driver_U4_Out_A
V Signal to ADS
I_Input
D_Schottky
D4
D_Schottky
D5
U10
LM4040DBZ−2.5
R7
I_Input
J11
R into ADS
J16
Conn_01x01_Socket
R21
0
Resistor_Input
J14
Barrel_Jack
Fuse
F1
U1
LM317_TO−220
VI
VO
ADJ
R5
62.0
D9-
Driver_U2_In_B
Driver_U2_Out_B
R Circuit I Output
R6
330.0
R9
22.0K
Q2
AO3400A MOSFET
C3
2.2uF
C18
1uF
U11
LM4040DBZ−5
U2
NC
IN_A
GND
IN_B
OUT_A
Vcc
OUT_B
+9V
D7
XIAO Batt Pin
Conn_01x01_Socket
J17
SW3
SW_SPDT
L1
2.2uH
U9
TPS613222ADBV
SW
VOUT
nc_(gnd)
(vdd)
C15
4.7uF
C16
22uF
C19
22uF
+BATT
Uno5vPin
R23
J7
Conn_01x02_Pin
MicoSD
J2
CS
MOSI
CLK
MISO
U5A
Opamp_Dual
U5B
Opamp_Dual
U5C
Opamp_Dual
RN2
10k x4
Q6
BSS138
Q7
BSS138
+VSW
R4
100K
A3/D17
R3
22K
J5
POWER2
J6
POWER1
J8
DIGITAL2
J10
ANALOG
J13
DIGITAL1
SCL
SDA
CLK
MISO
MOSI
CS
D7
D6-
D5- (IR)
D4
D3-
D9-
D10-
A0/D14
A1/D15
A2/D16
A3/D17
Uno5vPin
+VSW
Driver_U4_Out_A
Driver_U4_Out_B
Driver_U4_In_B
+9V
Nick Mann
Sheet: /
File: DMM XIAO Specific Footprint.kicad_sch
Title: Arduino Uno DMM Shield
Size: USLetter
Date: 2025-02-22
Rev: 1A
KiCad E.D.A. 9.0.0
Id: 1/1