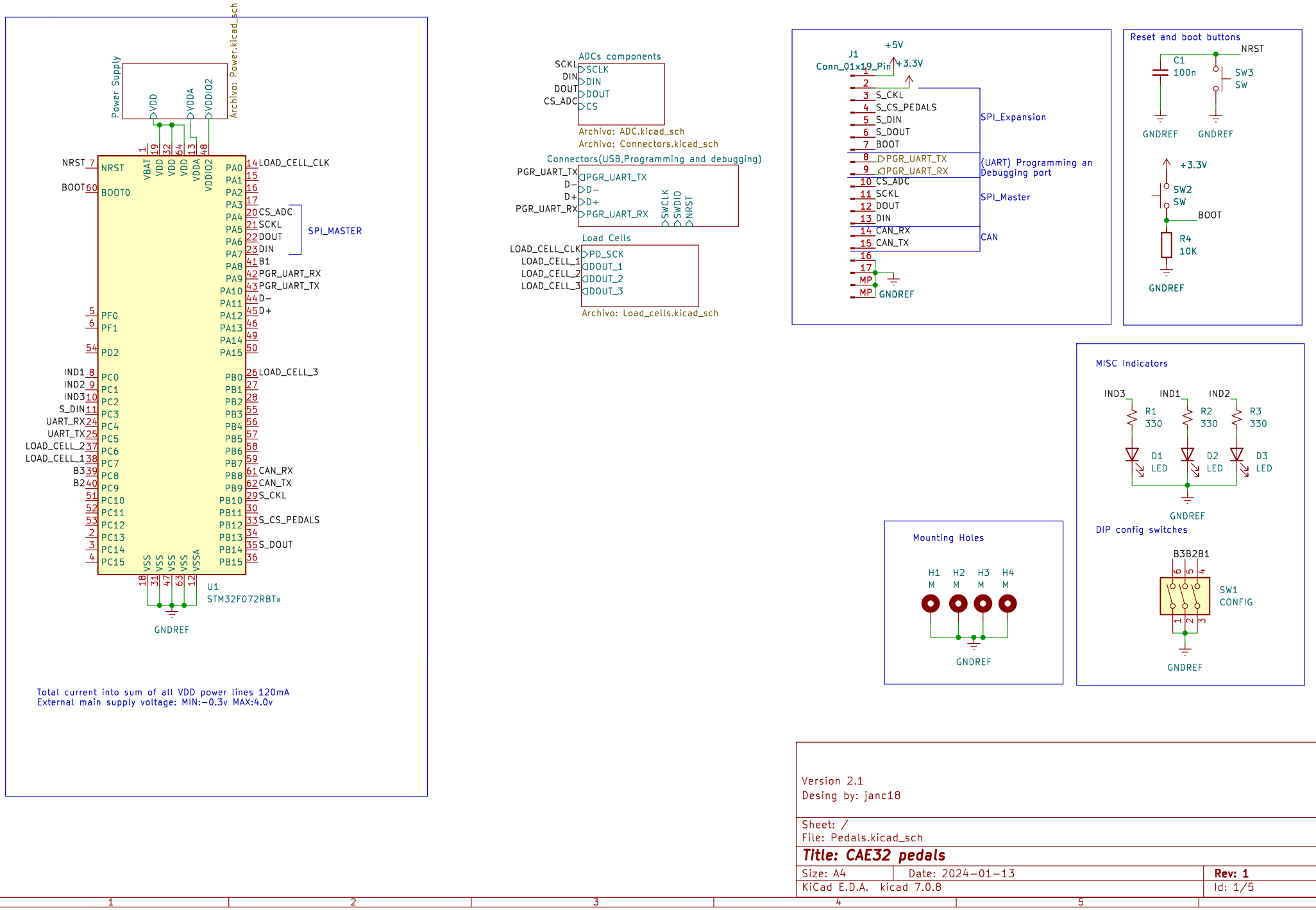
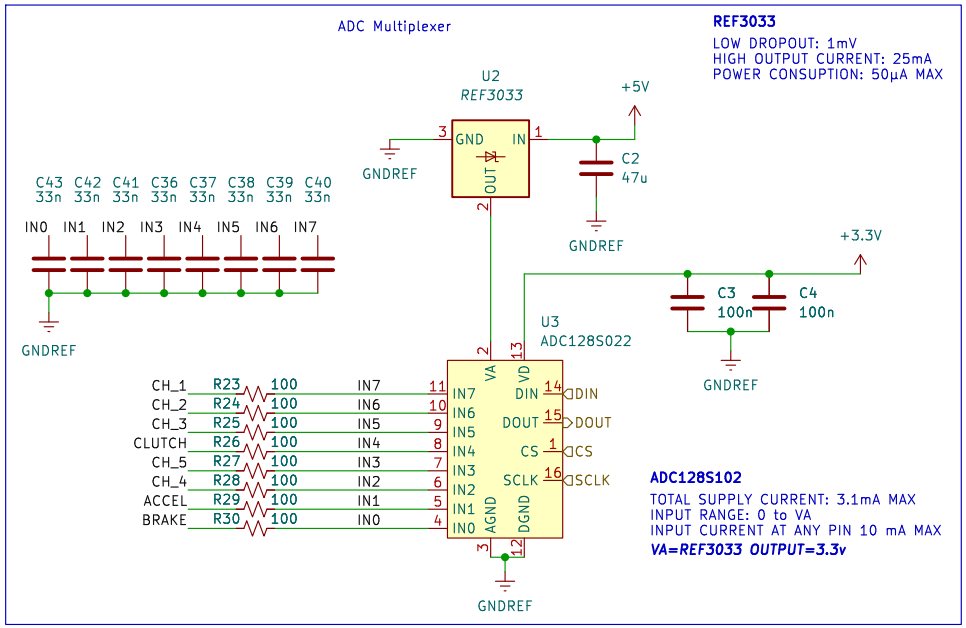


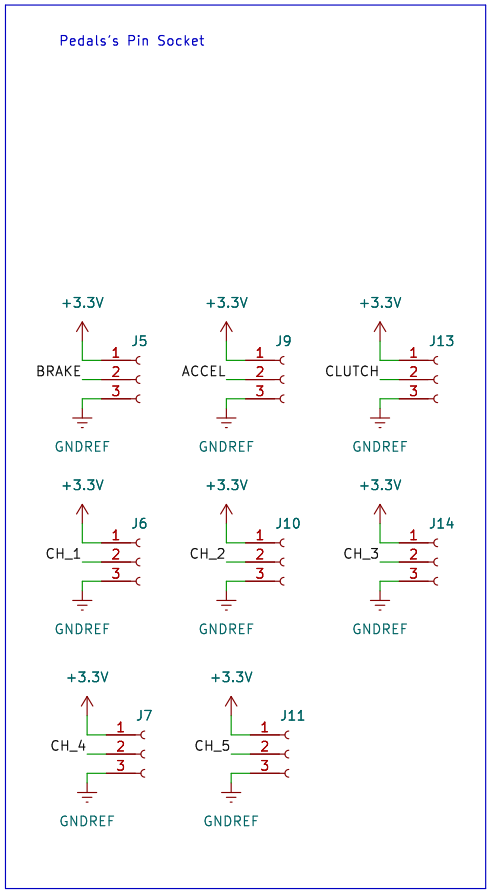
Version 2.1
Desing by: janc18

Sheet: /
File: Pedals.kicad_sch

Title: CAE32 pedals

Size: A4	Date: 2024−01−13	**Rev: 1**
KiCad E.D.A. kicad 7.0.8		Id: 1/5



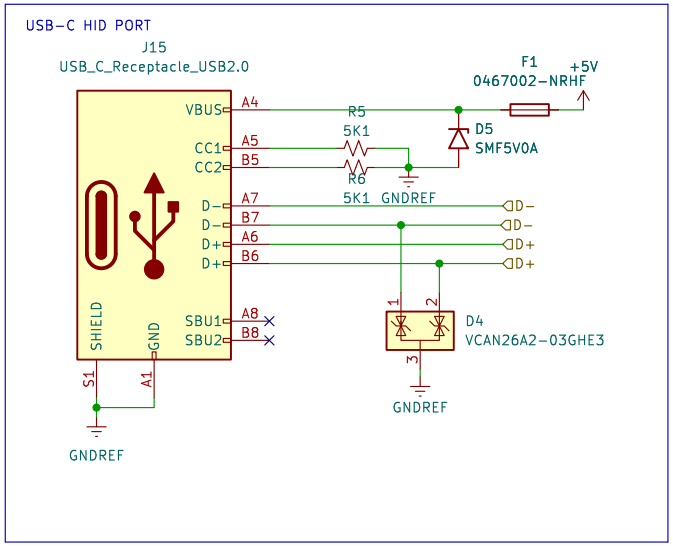


Version 2.1
Desing by: janc18

Sheet: /ADCs components/
File: ADC.kicad_sch

Title: CAE32 pedals

Size: A4	Date: 2024-01-13	**Rev: 1**
KiCad E.D.A. kicad 7.0.8		Id: 2/5

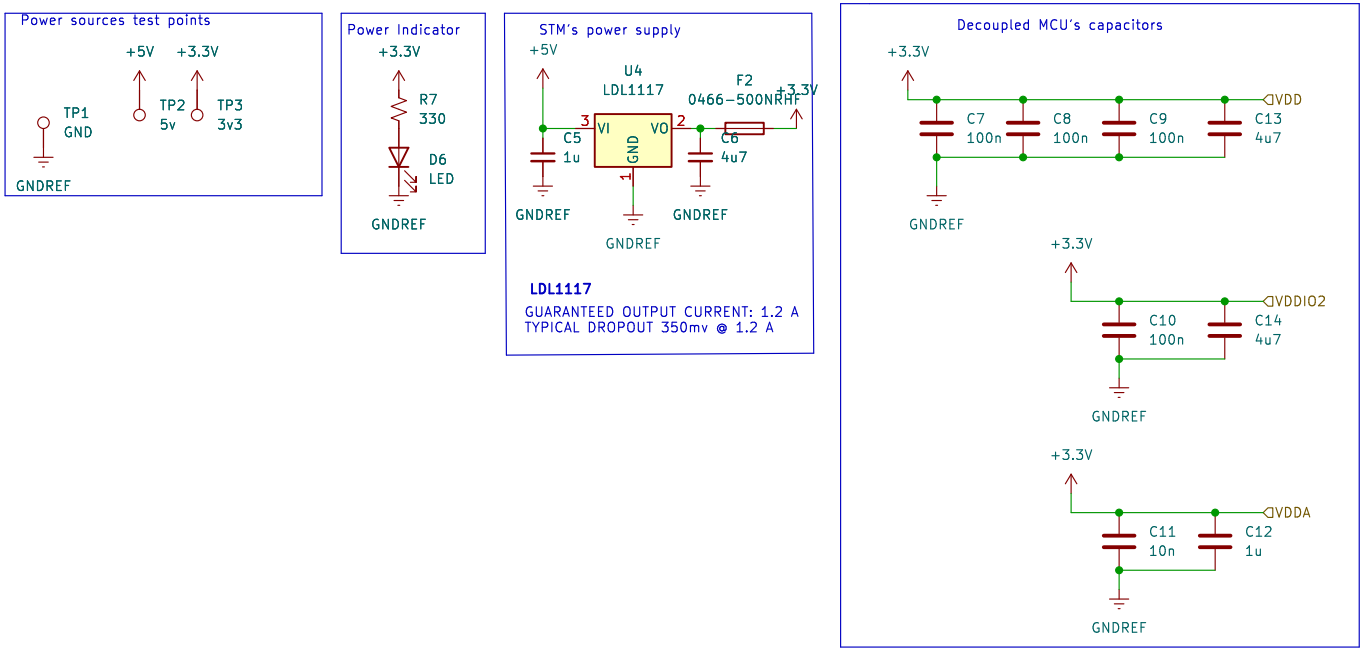


Version 2.1
Desing by: janc18

Sheet: /Connectors(USB,Programming and debugging)/
File: Connectors.kicad_sch

Title: CAE32 pedals

Size: A4	Date: 2024-01-13	**Rev: 1**
KiCad E.D.A. kicad 7.0.8		Id: 3/5

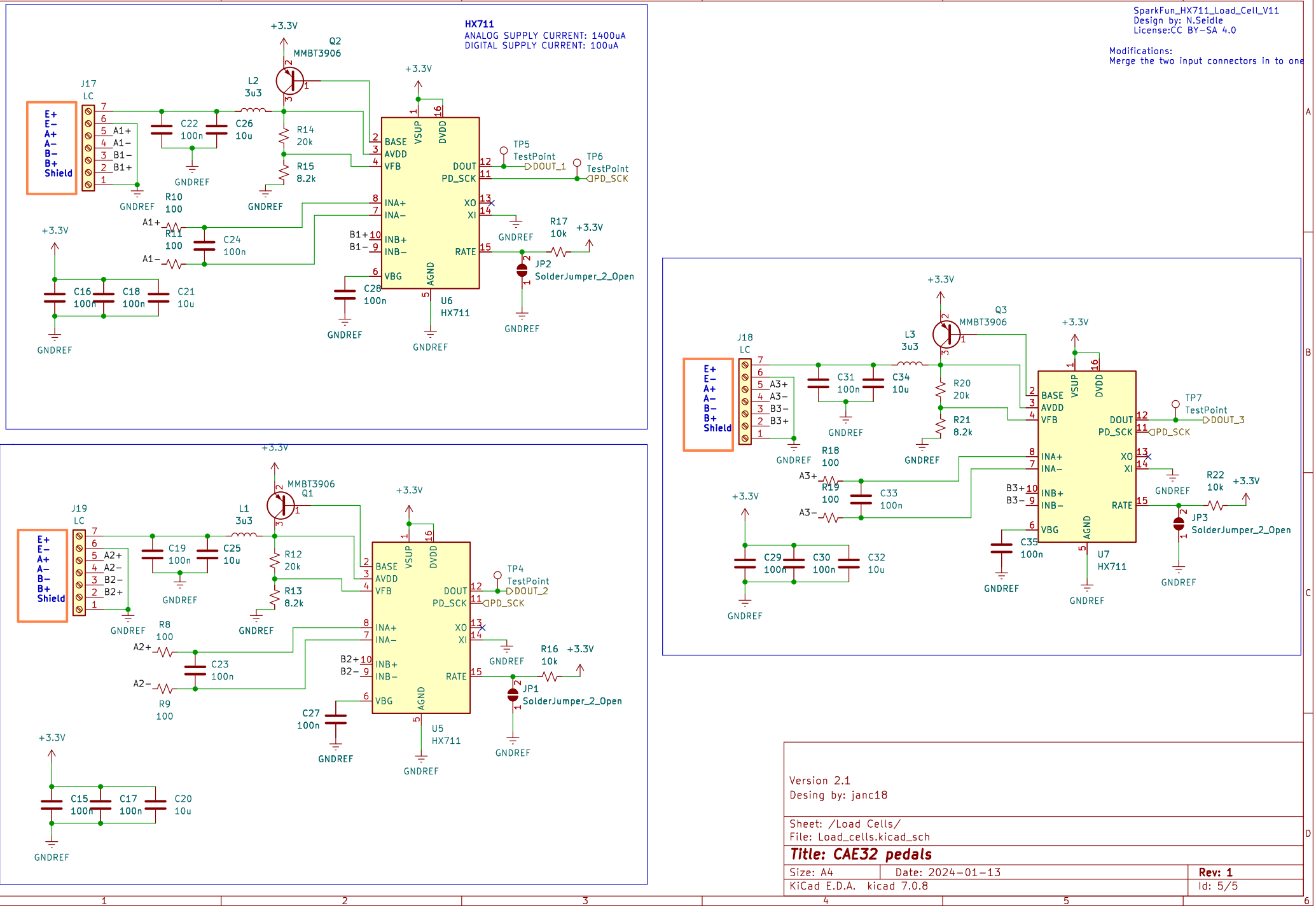


Version 2.1
Desing by: janc18

Sheet: /Power Supply/
File: Power.kicad_sch

Title: CAE32 pedals

Size: A4	Date: 2024-01-13	**Rev: 1**
KiCad E.D.A. kicad 7.0.8		Id: 4/5


HX711
ANALOG SUPPLY CURRENT: 1400uA
DIGITAL SUPPLY CURRENT: 100uA
SparkFun_HX711_Load_Cell_V11
Design by: N.Seidle
License:CC BY-SA 4.0
Modifications:
Merge the two input connectors in to one
J17
LC
E+
E-
A+
A-
B-
B+
Shield
A1+
A1-
B1-
B1+
Q2
MMBT3906
L2
3u3
C22
100n
C26
10u
R14
20k
R15
8.2k
R10
100
R11
100
C24
100n
C16
100n
C18
100n
C21
10u
C28
100n
U6
HX711
BASE
AVDD
VFB
VSUP
DVDD
DOUT
PD_SCK
INA+
INA-
INB+
INB-
XO
XI
RATE
VBG
AGND
TP5
TestPoint
DOUT_1
TP6
TestPoint
PD_SCK
R17
10k
JP2
SolderJumper_2_Open
+3.3V
GNDREF
J18
LC
A3+
A3-
B3-
B3+
Q3
MMBT3906
L3
3u3
C31
100n
C34
10u
R20
20k
R21
8.2k
R18
100
R19
100
C33
100n
C29
100n
C30
100n
C32
10u
C35
100n
U7
HX711
TP7
TestPoint
DOUT_3
R22
10k
JP3
SolderJumper_2_Open
J19
LC
A2+
A2-
B2-
B2+
Q1
MMBT3906
L1
3u3
C19
100n
C25
10u
R12
20k
R13
8.2k
R8
100
R9
100
C23
100n
C15
100n
C17
100n
C20
10u
C27
100n
U5
HX711
TP4
TestPoint
DOUT_2
R16
10k
JP1
SolderJumper_2_Open
Version 2.1
Desing by: janc18
Sheet: /Load Cells/
File: Load_cells.kicad_sch
Title: CAE32 pedals
Size: A4
Date: 2024-01-13
Rev: 1
KiCad E.D.A. kicad 7.0.8
Id: 5/5