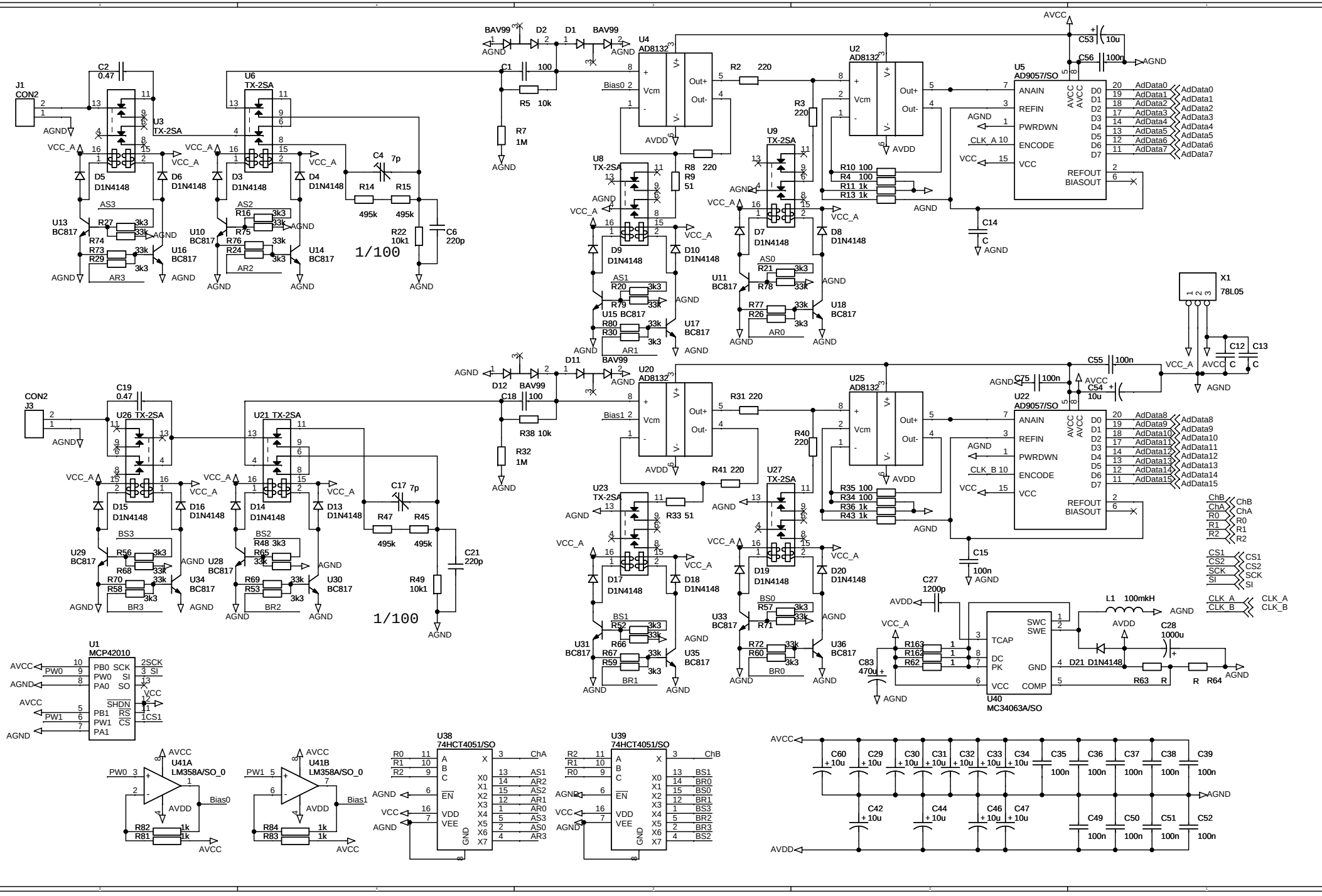
J1 CON2
C2 0.47
U3 TX-2SA
U6 TX-2SA
D5 D1N4148
D6 D1N4148
D3 D1N4148
D4 D1N4148
C4 7p
R14 495k
R15 495k
R22 10k1
C6 220p
1/100
U13 BC817
U10 BC817
U16 BC817
U14 BC817
R27 3k3
R74 33k
R73 33k
R29 3k3
R16 3k3
R75 33k
R76 33k
R24 3k3
AS3
AS2
AR3
AR2
AGND
VCC_A
BAV99 D2 D1 BAV99
C1 100
R5 10k
R7 1M
U4 AD8132
U8 TX-2SA
R8 220
R9 51
D9 D1N4148
D10 D1N4148
U15 BC817
U17 BC817
R80 33k
R30 3k3
AS1
R20 3k3
R79 33k
AR1
U2 AD8132
R2 220
R3 220
U9 TX-2SA
D7 D1N4148
D8 D1N4148
U11 BC817
U18 BC817
R21 3k3
R78 33k
R77 33k
R26 3k3
AS0
AR0
R10 100
R4 100
R11 1k
R13 1k
U5 AD9057/SO
ANAIN
REFIN
PWRDWN
ENCODE
VCC
REFOUT
BIASOUT
CLK_A 10
AVCC
AVDD
C53 10u
C56 100n
C14 C
AdData0
AdData1
AdData2
AdData3
AdData4
AdData5
AdData6
AdData7
X1 78L05
C12 C
C13 C
C55 100n
C54 10u
C75 100n
U22 AD9057/SO
AdData8
AdData9
AdData10
AdData11
AdData12
AdData13
AdData14
AdData15
CLK_B 10
C15 100n
ChB
ChA
R0
R1
R2
CS1
CS2
SCK
SI
CLK_A
CLK_B
CON2 J3
C19 0.47
U26 TX-2SA
U21 TX-2SA
D15 D1N4148
D16 D1N4148
D14 D1N4148
D13 D1N4148
C17 7p
R47 495k
R45 495k
R49 10k1
C21 220p
1/100
U29 BC817
U28 BC817
U34 BC817
U30 BC817
R56 3k3
R68 33k
R70 33k
R58 3k3
R48 3k3
R65 33k
R69 33k
R53 3k3
BS3
BS2
BR3
BR2
D11 D12 BAV99
C18 100
R38 10k
R32 1M
U20 AD8132
U23 TX-2SA
R33 51
R31 220
R41 220
R40 220
U27 TX-2SA
D17 D1N4148
D18 D1N4148
U31 BC817
U35 BC817
R66 33k
R67 33k
R59 3k3
BS1
BR1
D19 D1N4148
D20 D1N4148
U33 BC817
U36 BC817
R72 33k
R60 3k3
R71 33k
R57 3k3
BS0
BR0
R35 100
R34 100
R36 1k
R43 1k
C27 1200p
L1 100mkH
C28 1000u
C83 470u
U40 MC34063A/SO
TCAP
DC
PK
SWC
SWE
GND
COMP
R163
R162
R62
D21 D1N4148
R63
R64
U1 MCP42010
PB0 SCK
PW0 SI
PA0 SO
SHDN
PB1 RS
PW1 CS
PA1
2SCK
3 SI
1CS1
U41A LM358A/SO_0
U41B LM358A/SO_0
R82 1k
R81 1k
R84 1k
R83 1k
Bias0
Bias1
U38 74HCT4051/SO
U39 74HCT4051/SO
A
B
C
EN
VDD
VEE
GND
X
X0
X1
X2
X3
X4
X5
X6
X7
ChA
ChB
AS1
AR2
AS2
AR1
AR0
AS3
AS0
AR3
BS1
BR0
BS0
BR1
BS3
BR2
BR3
BS2
C60 + 10u
C29 + 10u
C30 + 10u
C31 + 10u
C32 + 10u
C33 + 10u
C34 + 10u
C35 100n
C36 100n
C37 100n
C38 100n
C39 100n
C42 + 10u
C44 + 10u
C46 + 10u
C47 + 10u
C49 100n
C50 100n
C51 100n
C52 100n