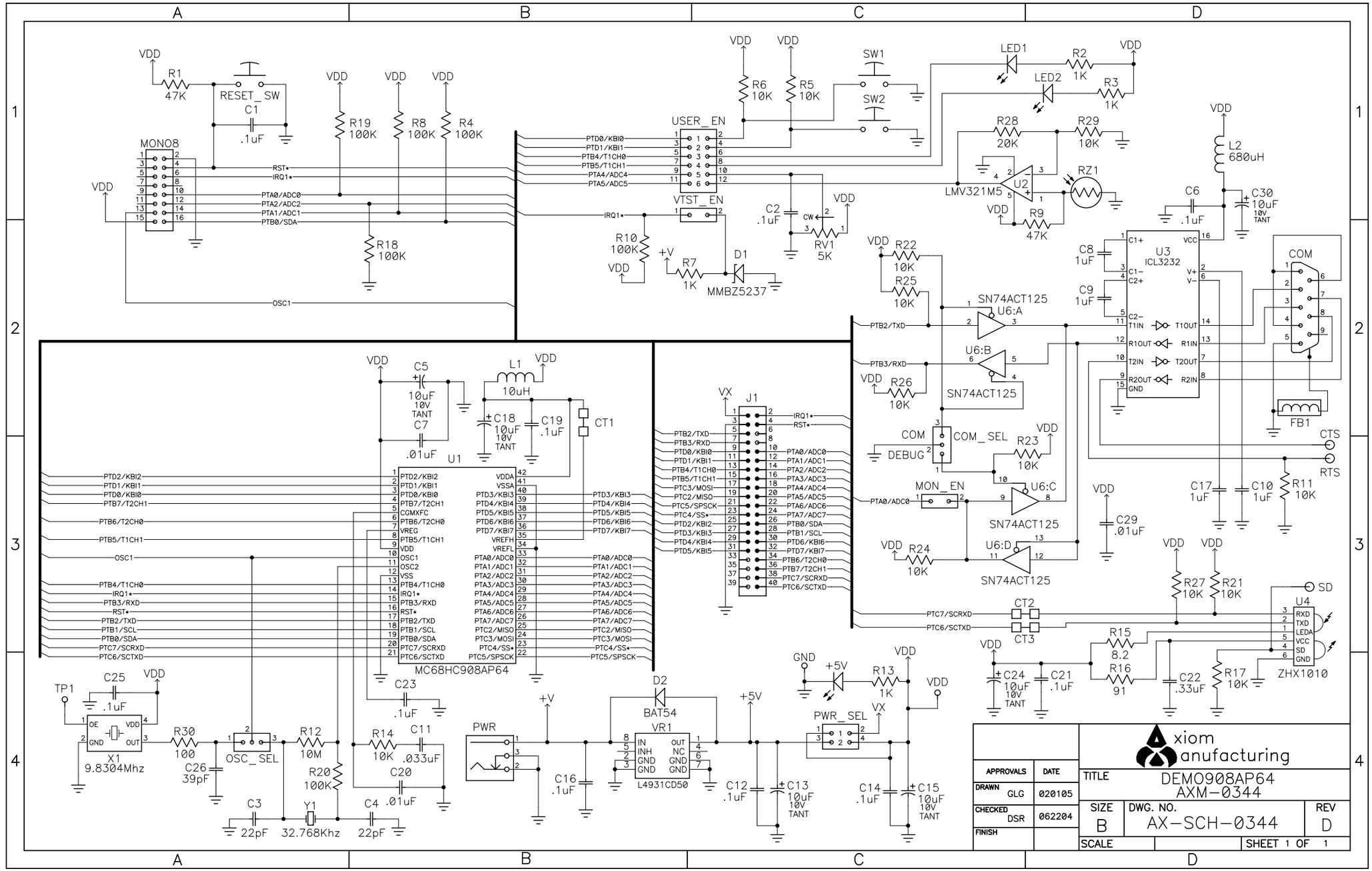
A
B
C
D
1
2
3
4
VDD
R1
47K
RESET_SW
C1
.1uF
MON08
RST*
IRQ1*
PTA0/ADC0
PTA2/ADC2
PTA1/ADC1
PTB0/SDA
OSC1
R19
100K
R8
100K
R4
100K
R18
100K
R6
10K
R5
10K
SW1
SW2
USER_EN
PTD0/KBI0
PTD1/KBI1
PTB4/T1CH0
PTB5/T1CH1
PTA4/ADC4
PTA5/ADC5
VTST_EN
R10
100K
R7
1K
D1
MMBZ5237
+V
C2
.1uF
CW
RV1
5K
LED1
LED2
R2
1K
R3
1K
R28
20K
R29
10K
U2
LMV321M5
RZ1
R9
47K
L2
680uH
C6
.1uF
C30
10uF
10V
TANT
C5
10uF
10V
TANT
C7
.01uF
L1
10uH
C18
10uF
10V
TANT
C19
.1uF
CT1
U1
MC68HC908AP64
PTD2/KBI2
PTD1/KBI1
PTD0/KBI0
PTB7/T2CH1
CGMXFC
PTB6/T2CH0
VREG
PTB5/T1CH1
VDD
OSC1
OSC2
VSS
PTB4/T1CH0
IRQ1*
PTB3/RXD
RST*
PTB2/TXD
PTB1/SCL
PTB0/SDA
PTC7/SCRXD
PTC6/SCTXD
VDDA
VSSA
PTD3/KBI3
PTD4/KBI4
PTD5/KBI5
PTD6/KBI6
PTD7/KBI7
VREFH
VREFL
PTA0/ADC0
PTA1/ADC1
PTA2/ADC2
PTA3/ADC3
PTA4/ADC4
PTA5/ADC5
PTA6/ADC6
PTA7/ADC7
PTC2/MISO
PTC3/MOSI
PTC4/SS*
PTC5/SPSCK
C23
.1uF
TP1
C25
.1uF
X1
9.8304Mhz
R30
100
C26
39pF
OSC_SEL
R12
10M
R20
100K
C3
22pF
Y1
32.768Khz
C4
.01uF
R14
10K
C11
.033uF
C20
PWR
+V
C16
.1uF
D2
BAT54
VR1
L4931CD50
IN
INH
GND
OUT
NC
C12
.1uF
C13
10uF
10V
TANT
+5V
GND
R13
1K
PWR_SEL
VX
C14
.1uF
C15
10uF
10V
TANT
J1
CT2
CT3
R22
10K
R25
10K
SN74ACT125
U6:A
U6:B
U6:C
U6:D
R26
10K
COM
COM_SEL
DEBUG
R23
10K
MON_EN
R24
10K
C29
.01uF
U3
ICL3232
C1+
C1-
C2+
C2-
T1IN
R1OUT
T2IN
R2OUT
GND
VCC
V+
V-
T1OUT
R1IN
T2OUT
R2IN
C8
1uF
C9
1uF
FB1
CTS
RTS
C17
1uF
C10
1uF
R11
10K
R27
10K
R21
10K
SD
U4
ZHX1010
RXD
TXD
LEDA
VCC
SD
GND
R15
8.2
R16
91
C24
10uF
10V
TANT
C21
.1uF
C22
.33uF
R17
10K
APPROVALS
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DSR
062204
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Axiom Manufacturing
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DWG. NO.
AX-SCH-0344
REV
D
SCALE
SHEET 1 OF 1