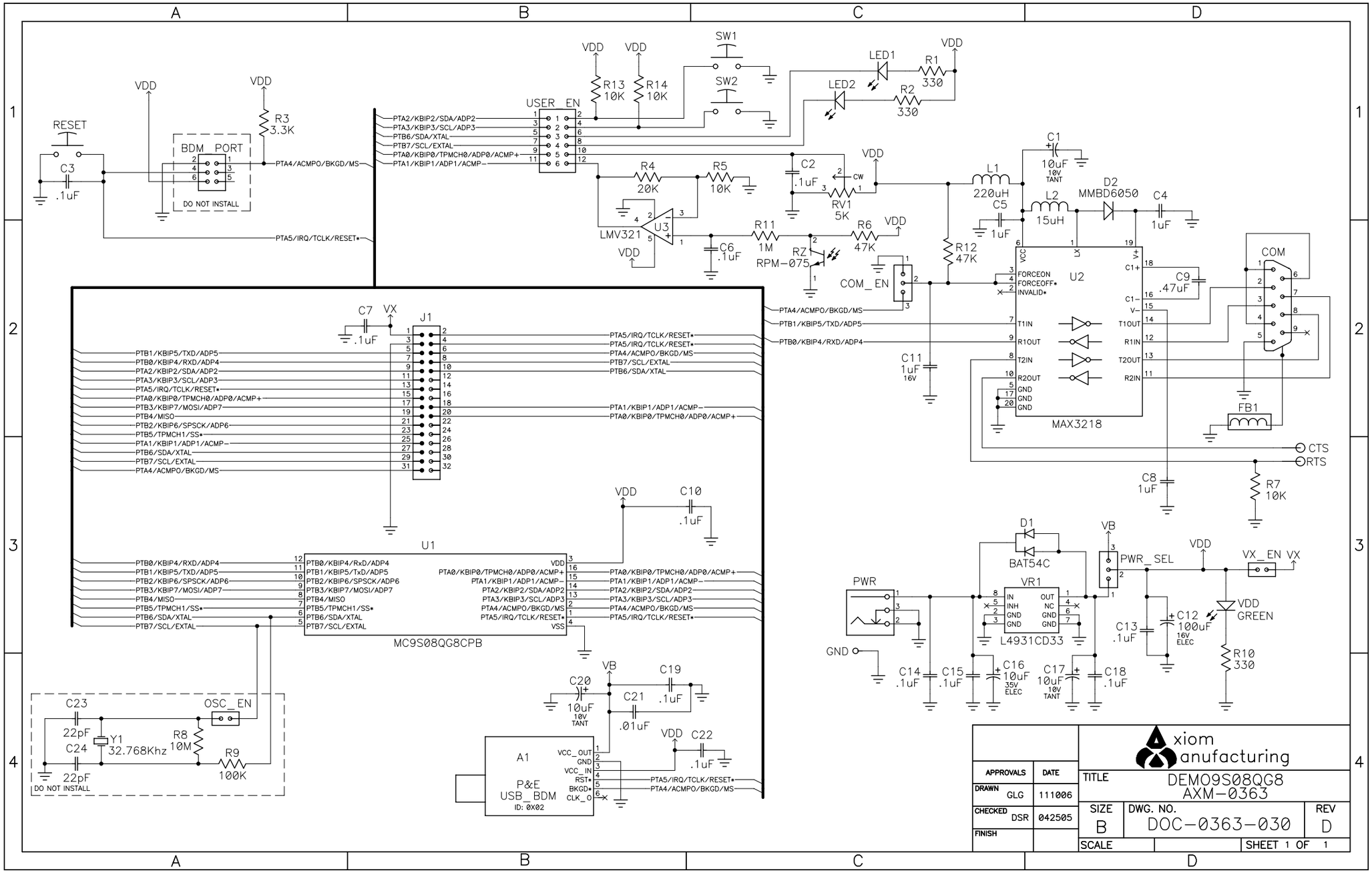
RESET
C3
.1uF
VDD
R3
3.3K
BDM_PORT
DO NOT INSTALL
PTA4/ACMPO/BKGD/MS
PTA5/IRQ/TCLK/RESET*
USER_EN
PTA2/KBIP2/SDA/ADP2
PTA3/KBIP3/SCL/ADP3
PTB6/SDA/XTAL
PTB7/SCL/EXTAL
PTA0/KBIP0/TPMCH0/ADP0/ACMP+
PTA1/KBIP1/ADP1/ACMP-
R13
10K
R14
10K
SW1
SW2
LED1
LED2
R1
330
R2
330
R4
20K
R5
10K
U3
LMV321
C6
.1uF
C2
.1uF
RV1
5K
CW
R11
1M
R6
47K
RZ
RPM-075
COM_EN
L1
220uH
C5
1uF
C1
10uF
10V
TANT
L2
15uH
D2
MMBD6050
C4
1uF
R12
47K
U2
MAX3218
FORCEON
FORCEOFF*
INVALID*
T1IN
R1OUT
T2IN
R2OUT
T1OUT
R1IN
T2OUT
R2IN
C9
.47uF
COM
FB1
CTS
RTS
C8
1uF
R7
10K
C11
1uF
16V
J1
C7
.1uF
VX
PTB1/KBIP5/TXD/ADP5
PTB0/KBIP4/RXD/ADP4
PTA2/KBIP2/SDA/ADP2
PTA3/KBIP3/SCL/ADP3
PTA5/IRQ/TCLK/RESET*
PTA0/KBIP0/TPMCH0/ADP0/ACMP+
PTB3/KBIP7/MOSI/ADP7
PTB4/MISO
PTB2/KBIP6/SPSCK/ADP6
PTB5/TPMCH1/SS*
PTA1/KBIP1/ADP1/ACMP-
PTB6/SDA/XTAL
PTB7/SCL/EXTAL
PTA4/ACMPO/BKGD/MS
U1
MC9S08QG8CPB
C10
.1uF
PTB0/KBIP4/RxD/ADP4
PTB1/KBIP5/TxD/ADP5
PTB2/KBIP6/SPSCK/ADP6
PTB3/KBIP7/MOSI/ADP7
PTA0/KBIP0/TPMCH0/ADP0/ACMP+
PTA1/KBIP1/ADP1/ACMP-
PTA2/KBIP2/SDA/ADP2
PTA3/KBIP3/SCL/ADP3
PTA4/ACMPO/BKGD/MS
PTA5/IRQ/TCLK/RESET*
VDD
VSS
C23
22pF
C24
22pF
Y1
32.768Khz
R8
10M
R9
100K
OSC_EN
DO NOT INSTALL
C20
10uF
10V
TANT
C21
.01uF
C19
.1uF
C22
.1uF
A1
P&E
USB_BDM
ID: 0X02
VCC_OUT
GND
VCC_IN
RST*
BKGD*
CLK_O
D1
BAT54C
VB
PWR_SEL
VX_EN
PWR
GND
VR1
L4931CD33
IN
INH
GND
OUT
NC
C14
.1uF
C15
.1uF
C16
10uF
35V
ELEC
C17
10uF
10V
TANT
C18
.1uF
C13
.1uF
C12
100uF
16V
ELEC
VDD
GREEN
R10
330
axiom
manufacturing
TITLE
DEMO9S08QG8
AXM-0363
APPROVALS
DATE
DRAWN
GLG
111006
CHECKED
DSR
042505
FINISH
SIZE
B
DWG. NO.
DOC-0363-030
REV
D
SCALE
SHEET 1 OF 1