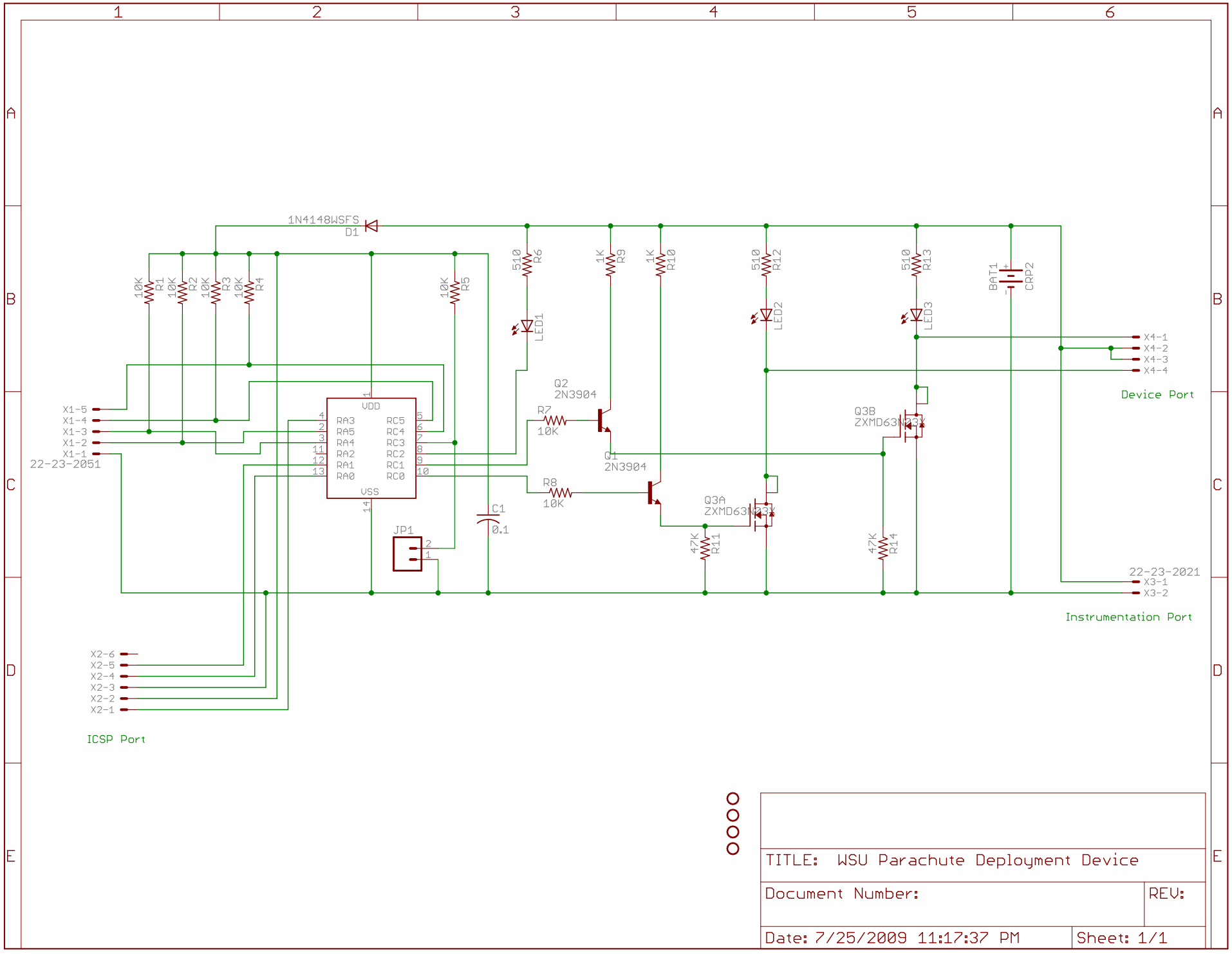
1N4148WSFS
D1
10K
R1
10K
R2
10K
R3
10K
R4
10K
R5
510
R6
1K
R9
1K
R10
510
R12
510
R13
BAT1
CRP2
LED1
LED2
LED3
X4-1
X4-2
X4-3
X4-4
Device Port
Q2
2N3904
R7
10K
Q1
2N3904
R8
10K
Q3B
ZXMD63N02X
Q3A
ZXMD63N02X
VDD
VSS
RA3
RA5
RA4
RA2
RA1
RA0
RC5
RC4
RC3
RC2
RC1
RC0
X1-5
X1-4
X1-3
X1-2
X1-1
22-23-2051
C1
0.1
JP1
47K
R11
47K
R14
22-23-2021
X3-1
X3-2
Instrumentation Port
X2-6
X2-5
X2-4
X2-3
X2-2
X2-1
ICSP Port
TITLE: WSU Parachute Deployment Device
Document Number:
REV:
Date: 7/25/2009 11:17:37 PM
Sheet: 1/1

Nichrome Wire Cut Down Controller
CRP2 or Equivalent
Duracell DL223A, Energizer EL223,
CRP2 or Equivalent Battery
WSU HBAL
Dual Device
Nichrome Wire Controller
Ver 1.0 05\2009
Bat Mon
Bat
Control
Device
X1
X2
X3
X4
D1
C1
U1
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
Q1
Q2
Q3
LED1
LED2
LED3
JP1
PROG