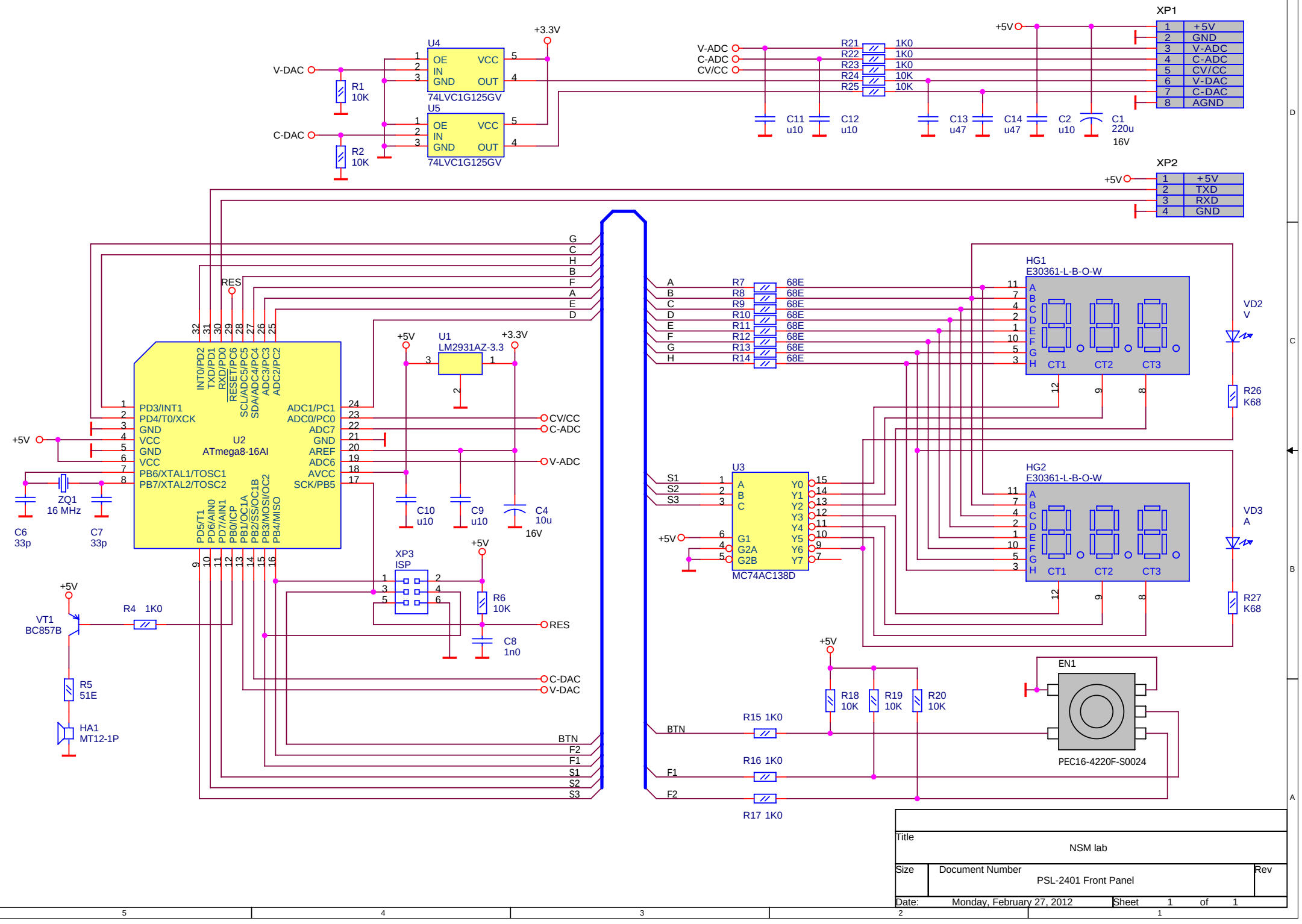
XP1
1 +5V
2 GND
3 V-ADC
4 C-ADC
5 CV/CC
6 V-DAC
7 C-DAC
8 AGND
XP2
1 +5V
2 TXD
3 RXD
4 GND
U4
U5
74LVC1G125GV
74LVC1G125GV
OE
IN
GND
VCC
OUT
+3.3V
V-DAC
C-DAC
R1 10K
R2 10K
V-ADC
C-ADC
CV/CC
R21 1K0
R22 1K0
R23 1K0
R24 10K
R25 10K
C11 u10
C12 u10
C13 u47
C14 u47
C2 u10
C1 220u
16V
U1
LM2931AZ-3.3
U2
ATmega8-16AI
PD3/INT1
PD4/T0/XCK
GND
VCC
GND
VCC
PB6/XTAL1/TOSC1
PB7/XTAL2/TOSC2
ADC1/PC1
ADC0/PC0
ADC7
GND
AREF
ADC6
AVCC
SCK/PB5
INT0/PD2
TXD/PD1
RXD/PD0
RESET/PC6
SCL/ADC5/PC5
SDA/ADC4/PC4
ADC3/PC3
ADC2/PC2
PD5/T1
PD6/AIN0
PD7/AIN1
PB0/ICP
PB1/OC1A
PB2/SS/OC1B
PB3/MOSI/OC2
PB4/MISO
RES
ZQ1
16 MHz
C6 33p
C7 33p
C10 u10
C9 u10
C4 10u
16V
XP3
ISP
R6 10K
C8 1n0
VT1
BC857B
R4 1K0
R5 51E
HA1
MT12-1P
G
C
H
B
F
A
E
D
CV/CC
C-ADC
V-ADC
C-DAC
V-DAC
BTN
F2
F1
S1
S2
S3
R7 68E
R8 68E
R9 68E
R10 68E
R11 68E
R12 68E
R13 68E
R14 68E
HG1
E30361-L-B-O-W
HG2
E30361-L-B-O-W
CT1
CT2
CT3
VD2
V
VD3
A
R26 K68
R27 K68
U3
MC74AC138D
R15 1K0
R16 1K0
R17 1K0
R18 10K
R19 10K
R20 10K
EN1
PEC16-4220F-S0024
Title
NSM lab
Size
Document Number
PSL-2401 Front Panel
Rev
Date: Monday, February 27, 2012
Sheet 1 of 1