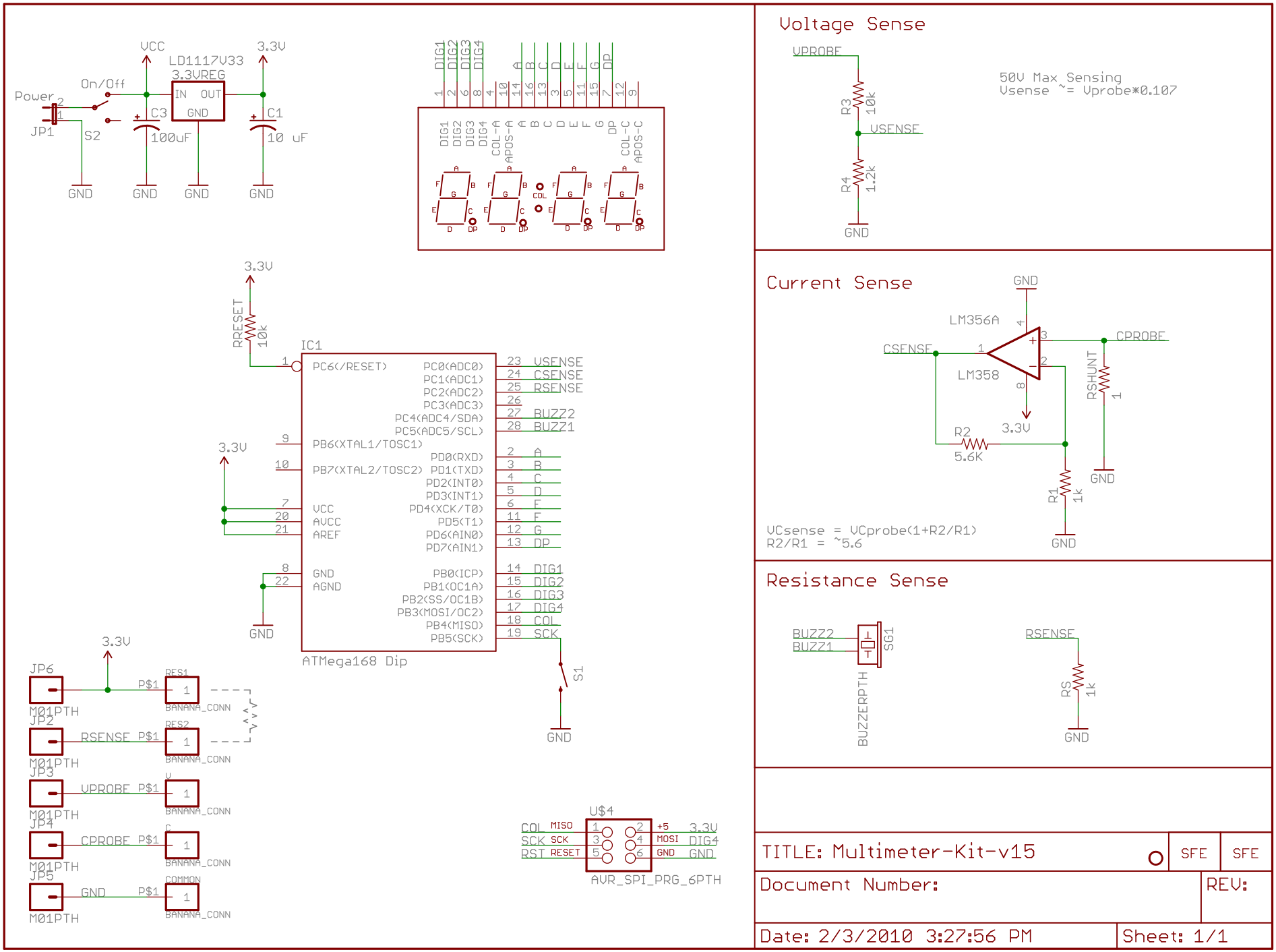

VCC
LD1117V33
3.3VREG
3.3V
On/Off
Power
JP1
S2
C3
100uF
C1
10 uF
IN
OUT
GND
DIG1
DIG2
DIG3
DIG4
COL
RRESET
10k
IC1
PC6(/RESET)
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
PD0(RXD)
PD1(TXD)
PD2(INT0)
PD3(INT1)
PD4(XCK/T0)
PD5(T1)
PD6(AIN0)
PD7(AIN1)
PB0(ICP)
PB1(OC1A)
PB2(SS/OC1B)
PB3(MOSI/OC2)
PB4(MISO)
PB5(SCK)
VCC
AVCC
AREF
AGND
USENSE
CSENSE
RSENSE
BUZZ2
BUZZ1
A
B
C
D
F
G
DP
SCK
S1
ATMega168 Dip
JP6
JP2
JP3
JP4
JP5
M01PTH
RES1
RES2
BANANA_CONN
VPROBE
CPROBE
COMMON
U$4
MISO
SCK
RESET
MOSI
AVR_SPI_PRG_6PTH
Voltage Sense
VPROBE
R3
10k
USENSE
R4
1.2k
50V Max Sensing
Vsense ~= Vprobe*0.107
Current Sense
LM356A
LM358
CSENSE
CPROBE
RSHUNT
R2
5.6K
R1
1k
VCsense = VCprobe(1+R2/R1)
R2/R1 = ~5.6
Resistance Sense
SG1
BUZZERPTH
RS
TITLE: Multimeter-Kit-v15
SFE
Document Number:
REV:
Date: 2/3/2010 3:27:56 PM
Sheet: 1/1