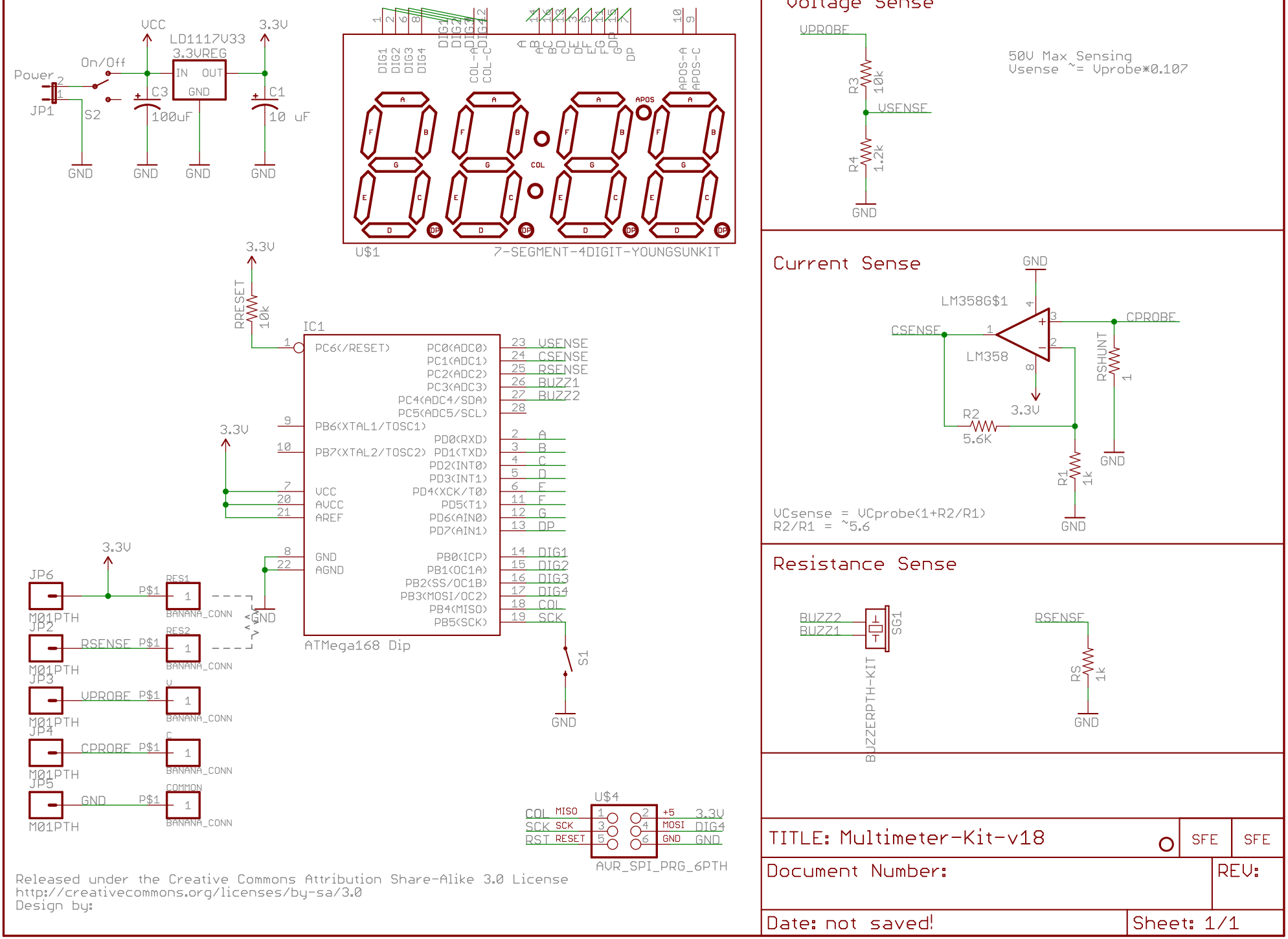
Voltage Sense
VPROBE
R3
10k
VSENSE
R4
1.2k
GND
50V Max Sensing
Vsense ~= Vprobe*0.107
Current Sense
GND
LM358G$1
CSENSE
LM358
CPROBE
RSHUNT
1
R2
5.6K
3.3V
R1
1k
GND
VCsense = VCprobe(1+R2/R1)
R2/R1 = ~5.6
Resistance Sense
BUZZ2
BUZZ1
SG1
BUZZERPTH-KIT
RSENSE
RS
1k
GND
VCC
LD1117V33
3.3VREG
3.3V
On/Off
Power
JP1
S2
C3
100uF
C1
10 uF
GND
U$1
7-SEGMENT-4DIGIT-YOUNGSUNKIT
RRESET
10k
IC1
PC6(/RESET)
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
PB6(XTAL1/TOSC1)
PD0(RXD)
PB7(XTAL2/TOSC2)
PD1(TXD)
PD2(INT0)
PD3(INT1)
VCC
PD4(XCK/T0)
AVCC
PD5(T1)
AREF
PD6(AIN0)
PD7(AIN1)
GND
PB0(ICP)
AGND
PB1(OC1A)
PB2(SS/OC1B)
PB3(MOSI/OC2)
PB4(MISO)
PB5(SCK)
ATMega168 Dip
USENSE
CSENSE
RSENSE
BUZZ1
BUZZ2
DIG1
DIG2
DIG3
DIG4
COL
SCK
S1
JP6
JP2
JP3
JP4
JP5
M01PTH
RES1
RES2
COMMON
BANANA_CONN
VPROBE
CPROBE
U$4
AVR_SPI_PRG_6PTH
MISO
SCK
RESET
MOSI
+5
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Design by:
TITLE: Multimeter-Kit-v18
SFE
SFE
Document Number:
REV:
Date: not saved!
Sheet: 1/1