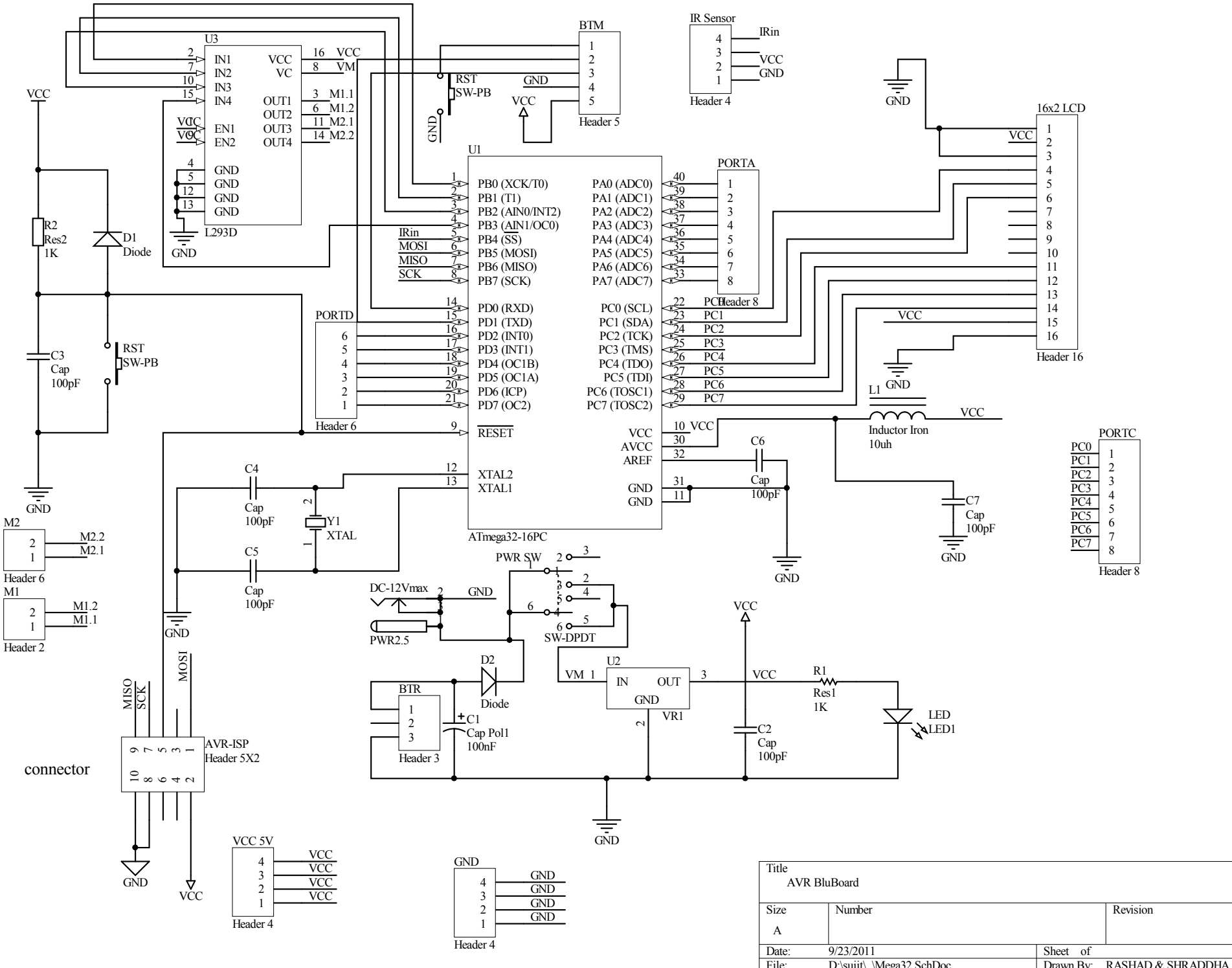
U3
L293D
IN1
IN2
IN3
IN4
EN1
EN2
VCC
VC
OUT1
OUT2
OUT3
OUT4
GND
VM
M1.1
M1.2
M2.1
M2.2
BTM
Header 5
RST
SW-PB
IR Sensor
Header 4
IRin
U1
ATmega32-16PC
PB0 (XCK/T0)
PB1 (T1)
PB2 (AIN0/INT2)
PB3 (AIN1/OC0)
PB4 (SS)
PB5 (MOSI)
PB6 (MISO)
PB7 (SCK)
PD0 (RXD)
PD1 (TXD)
PD2 (INT0)
PD3 (INT1)
PD4 (OC1B)
PD5 (OC1A)
PD6 (ICP)
PD7 (OC2)
RESET
XTAL2
XTAL1
PA0 (ADC0)
PA1 (ADC1)
PA2 (ADC2)
PA3 (ADC3)
PA4 (ADC4)
PA5 (ADC5)
PA6 (ADC6)
PA7 (ADC7)
PC0 (SCL)
PC1 (SDA)
PC2 (TCK)
PC3 (TMS)
PC4 (TDO)
PC5 (TDI)
PC6 (TOSC1)
PC7 (TOSC2)
AVCC
AREF
PORTA
PORTC
PORTD
Header 8
Header 6
16x2 LCD
Header 16
R2
Res2
1K
D1
Diode
C3
Cap
100pF
C4
C5
C6
C7
Y1
XTAL
L1
Inductor Iron
10uh
M1
Header 2
M2
PWR SW
PWR2.5
DC-12Vmax
SW-DPDT
D2
BTR
Header 3
C1
Cap Pol1
100nF
U2
VM
IN
OUT
VR1
R1
Res1
1K
C2
LED
LED1
connector
AVR-ISP
Header 5X2
MISO
SCK
MOSI
VCC 5V
Header 4
Title
AVR BluBoard
Size
A
Number
Revision
Date: 9/23/2011
Sheet of
File: D:\sujit\..\Mega32.SchDoc
Drawn By: RASHAD & SHRADDHA