3. Internal pull-up Resistors, Direct drive 7segment Digit.

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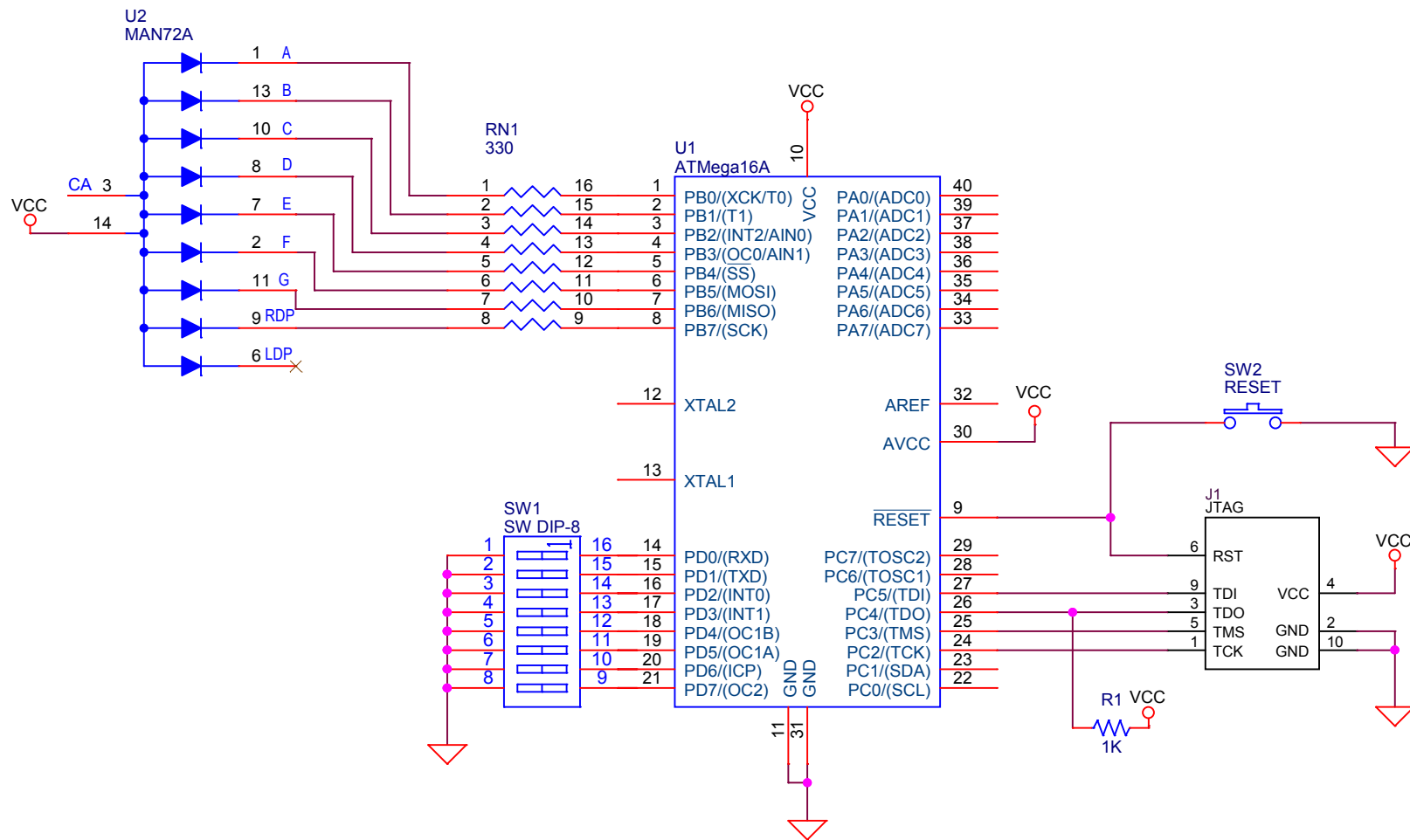**Partner's Name:** Raymond Ng

ID: 109223276

Course and section: ESE 380 L01

Bench Number: 6

Due Date/time : 09/16/14 9:00 PM

Date of the Lab: 09/24/14

U2
MAN72A

1 A
13 B
10 C
8 D
CA 3
7 E
14
2 F
11 G
9 RDP
6 LDP

VCC

RN1
330

VCC

U1
ATMega16A

10 VCC

1	16	1	PB0/(XCK/T0)	PA0/(ADC0)	40
2	15	2	PB1/(T1)	PA1/(ADC1)	39
3	14	3	PB2/(INT2/AIN0)	PA2/(ADC2)	37
4	13	4	PB3/(OC0/AIN1)	PA3/(ADC3)	38
5	12	5	PB4/(SS)	PA4/(ADC4)	36
6	11	6	PB5/(MOSI)	PA5/(ADC5)	35
7	10	7	PB6/(MISO)	PA6/(ADC6)	34
8	9	8	PB7/(SCK)	PA7/(ADC7)	33

12 XTAL2
AREF 32 VCC
AVCC 30 VCC

13 XTAL1

RESET 9

SW1
SW DIP-8

1	16	14	PD0/(RXD)	PC7/(TOSC2)	29
2	15	15	PD1/(TXD)	PC6/(TOSC1)	28
3	14	16	PD2/(INT0)	PC5/(TDI)	27
4	13	17	PD3/(INT1)	PC4/(TDO)	26
5	12	18	PD4/(OC1B)	PC3/(TMS)	25
6	11	19	PD5/(OC1A)	PC2/(TCK)	24
7	10	20	PD6/(ICP)	PC1/(SDA)	23
8	9	21	PD7/(OC2)	PC0/(SCL)	22

GND GND
11 31

SW2
RESET

J1
JTAG

6 RST
9 TDI VCC 4
3 TDO
5 TMS GND 2
1 TCK GND 10

VCC

R1 VCC
1K

Title
Lab3 - task 4

Size
A

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Ng, Radhakrishnan

Rev
1V

Date: Friday, September 19, 2014 Sheet 1 of 1