



Department of Computer System Engineering

COMPUTER DESIGN LAB

ENCS 411

PRELAB1

Experiment No. 2

Control of Dot Matrix and 7 –Segment

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Section: 3

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1. Mode 0: simple input output.
2. This will turn off all LEDS.
3. All LEDS will light red.
4. We can connect the CS to VCC or adding an inverter.
5. Here A1,A2 are used to select ports and so since the address of
 - a. PORTA is 18H -> 00011000 (A2 A1 = 00)
 - b. PORTB is 1A -> 00011010 (A2 A1 = 01)
 - c. PORTC is 1C -> 00011100 (A2 A1 = 10)
 - d. Control Register is 1E -> 00011110 (A2 A1 = 11)