

AME 30358 – Score Sheet

M1 – Review of Electronics

Name(s): _____

For more details on any of the items below, please refer to the lab handout.

The following items will be *demonstrated* to the lab instructor during the allotted lab time. Credit will not be given for portions completed outside of lab.

Item and Description	Points Awarded	Possible Points
Part I: Solenoid Magnet The magnet can pick up a single paper clip. Values for R , N , L , I_{pc} , B , and V_L are written in lab notebook look correct.		4
Part II: Digital Flip-Flop Pressing the button toggles between the yellow and green LED.		4
Part III: Potentiometer Turning the potentiometer correctly adjusts the brightness of the LED. The PWM signal is visible on the oscilloscope.		4
Part IV: Design Challenge Turning the potentiometer correctly adjusts the brightness of the LED. Pressing the button selects which LED will be controlled by potentiometer		2
Clean-up The students returned the lab bench to its initial state. The students made a back-up of their code library.		2
TOTAL		16