EODMAKER

Arduino Wire Attack Trainer

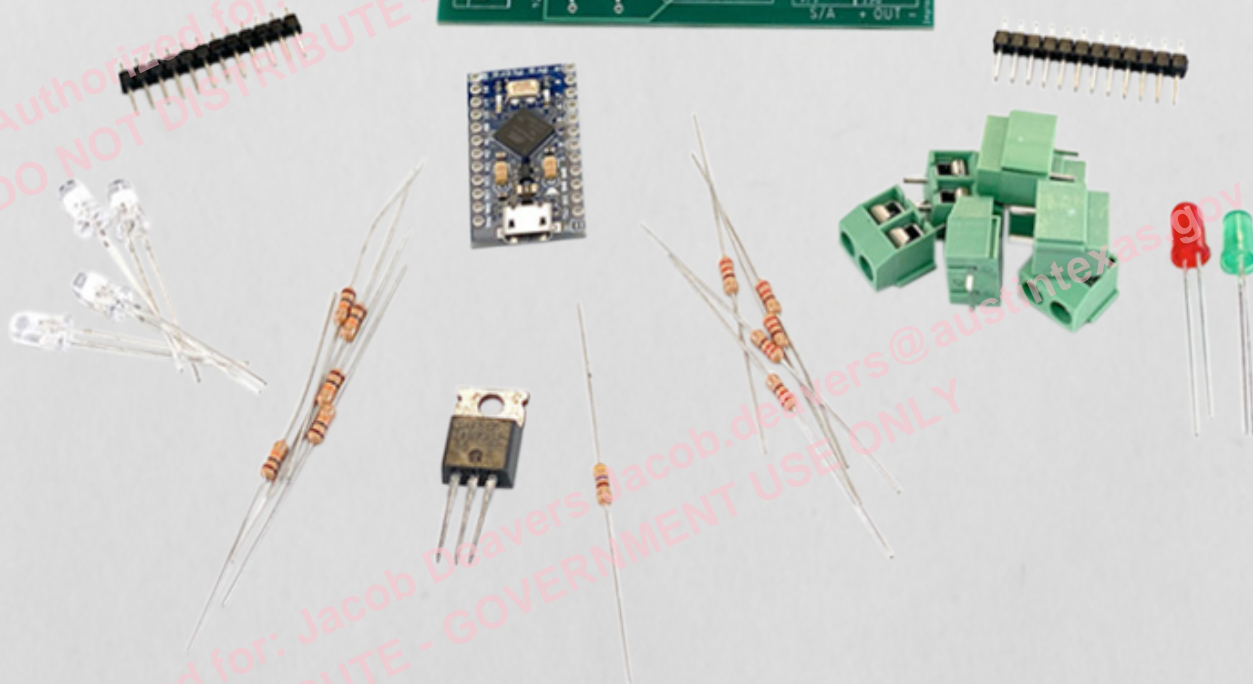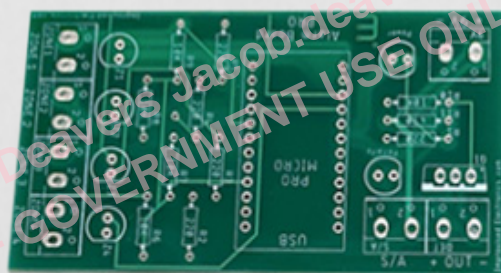improvised ELECTRONICS

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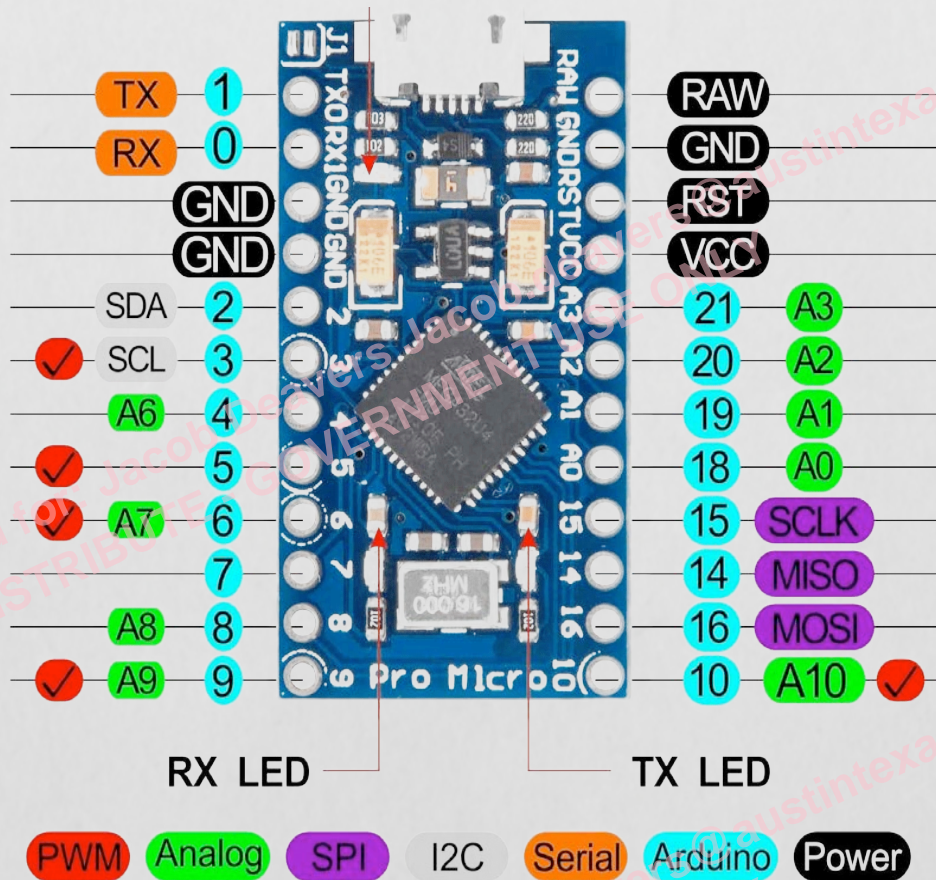
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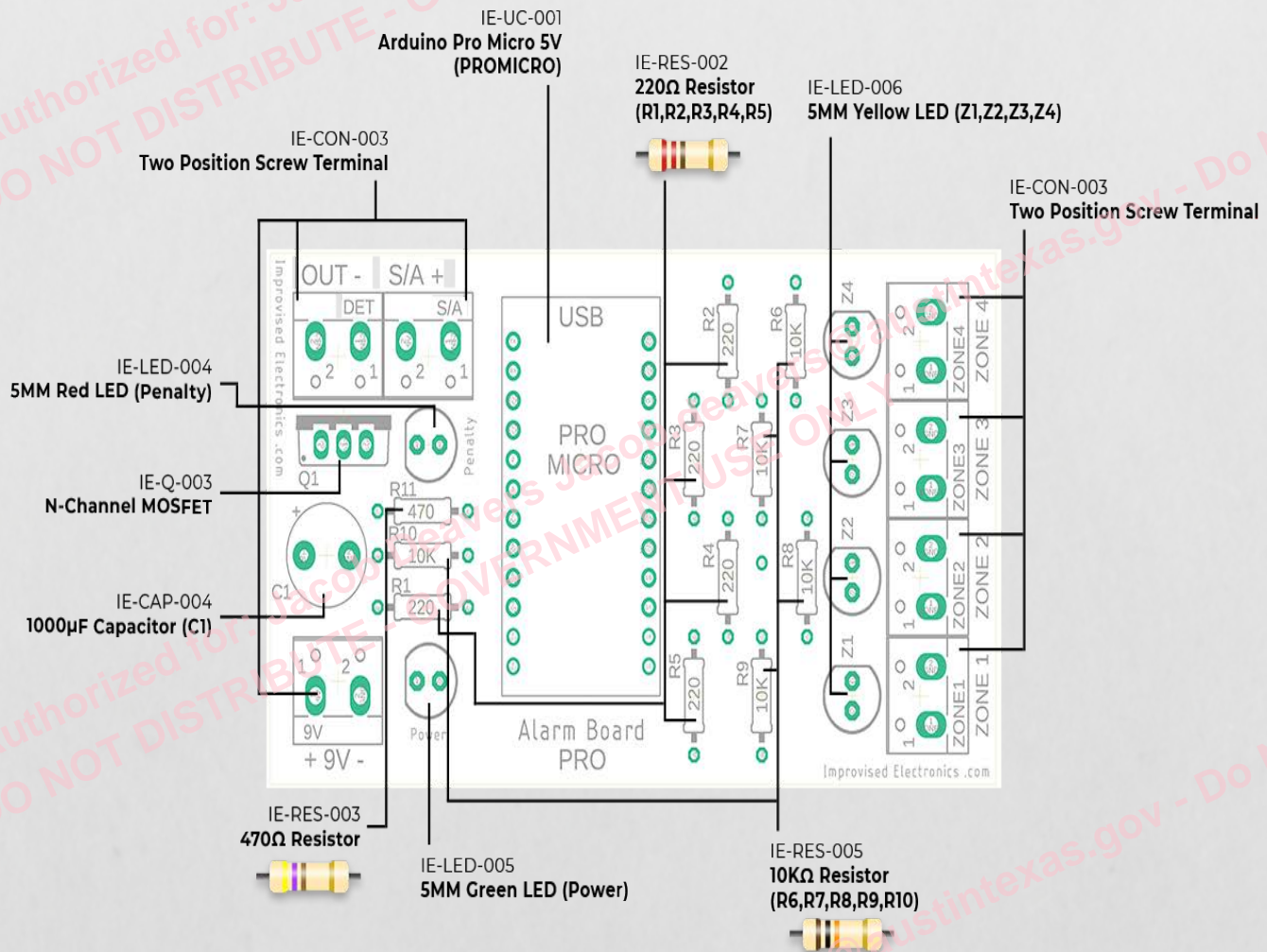
Training Objectives

- **Terminal Learning Objective**
  - Assemble and implement the Arduino Wire Attack Trainer
- **Enabling Objectives**
  - Board Layout and Functionality
  - Arduino Pro Micro
  - Analog Ports
  - End of Line Resistors
  - Basics of Diagnostics- Fluke 87V

Arduino Pro Micro Pinout

TX	1		RAW
RX	0		GND
GND			RST
GND			VCC
SDA	2	21	A3
SCL	3	20	A2
A6	4	19	A1
5		18	A0
A7	6	15	SCLK
7		14	MISO
A8	8	16	MOSI
A9	9	10	A10

RX LED   TX LED

PWM   Analog   SPI   I2C   Serial   Arduino   Power

Quick Reference

IE-UC-001
Arduino Pro Micro 5V (PROMICRO)

IE-RES-002
220Ω Resistor (R1,R2,R3,R4,R5)

IE-LED-006
5MM Yellow LED (Z1,Z2,Z3,Z4)

IE-CON-003
Two Position Screw Terminal

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IE-LED-004
5MM Red LED (Penalty)

IE-Q-003
N-Channel MOSFET

IE-CAP-004
1000µF Capacitor (C1)

IE-RES-003
470Ω Resistor

IE-LED-005
5MM Green LED (Power)

IE-RES-005
10KΩ Resistor (R6,R7,R8,R9,R10)

Basic Alarm Theory

Normally Closed Switch Opens

Implementing Resistor Substitution