IEP Challenge 2

Component Selection Tray

**Resistors**

68  – 1%, 250mW

100 – 1%, 250mW

470 – 1%, 250mW

1K – 1%, 250mW

1K8 – 1%, 250mW

4K7 – 1%, 250mW

10K – 1%, 250mW

47K – 1%, 250mW

100K – 1%, 250mW

1M – 1%, 250mW

10K – Variable Resistor, 10%, 500mW

**Capacitors**

100 pF - Ceramic, 50V, 5%

1 nF – Ceramic, 50V, 5%

10 nF – Ceramic, 50V, 5%

0.1 F – Ceramic, 50V, 5%

F – Ceramic, 50V, 5%

10F – Electrolytic, 35, 20%

100F – Electrolytic, 25V, 20%

470F – Electrolytic, 16V, 20%

**Semiconductors**

1N4001 – Diode

LED – Standard 5mm (Red, Green or Yellow)

ZTX450 – Transistor, BJT, NPN, General purpose

IRLB8748 – Transistor, Power MOSFET, N-Channel

MCP6022 – Operational Amplifier, 8-pin DIL, 5.5Vmax, Duel amplifier package