

### **List of Components in SEMET 1.lbr**

- 1) Resistor: 7mm and 10mm pitch
- 2) Varistor: 3 pins through hole pot, Top adjustment
- 3) Non-polarized cap: 2.5mm and 5mm pitch
- 4) Polarized cap: 2mm, 2.5mm, 3.5mm, 5mm and 7.5mm pitch
- 5) Inductor: Axial (7.5 and 10mm pitch) and Radial (3, 5, 7mm pitch)
- 6) BJT: NPN and PNP
- 7) MOSFET: N- and P-Channel
- 8) Diode and Zener Diode: 7mm and 10mm pitch
- 9) 5mm radial LED, CA and CC RGB LED
- 10) 7-Segment Display: CA and CC
- 11) Voltage Regulator 78xx: General package for 7805, 7812, etc
- 12) LM317
- 13) Op-Amp: LM741, LM324, LM358
- 14) 555 timer
- 15) Logic gates: 7400, 7402, 7404, 7408, 7432, 7486
- 16) LED driver: 74LS47
- 17) L293D H-bridge
- 18) DB connectors: DB9 male, DB15 male, DB15 female
- 19) LM35 sensor
- 20) Optocoupler 4n25
- 21) Pushbutton
- 22) Terminal block: 2, 3 and 4 positions
- 23) PCB mount slide toggle switch
- 24) Pin headers 1x2, 1x3, 1x4, 1x5, 1x6, 1x7, 1x8, 1x9, 1x10
- 25) DIP switch: 4 and 8 positions
- 26) Mounting hole (mm): 2.8, 3.0, 3.2, 3.3, 3.6, 4.1, 4.3, 4.5, 5.0, 5.5
- 27) Power and GND symbols
- 28) Heatsink: SK104-PAD