Datasheet

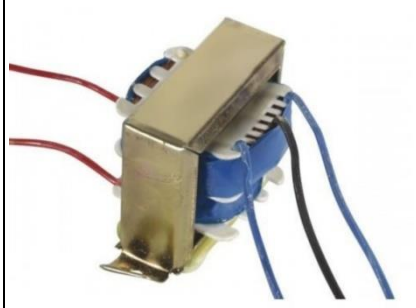
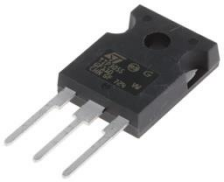
1. Transformer.		• Raising or lowering the voltage level in the circuit of an AC. • Increasing or decreasing the value of an inductor or capacitor in an AC circuit. • Preventing the passage of DC from one circuit to another. • Isolating two electric circuits. • Stepping up the voltage level at the site of power generation before the transmission and distribution can take place.
2. Bridge Rectifier.		• High current capability. • High surge current capability. • High reliability. • Low reverse. • Low forward voltage drop. • Ideal for printed circuit board.
3. Aluminum Capacitor.		• Smaller case size and lower impedance than PM series. • Low impedance and high reliability withstanding 2000 hours to 8000 hours. • Capacitance ranges available based on the numerical values in E12 series under JIS. Compliant to the ROHS directive.
4. Ceramic Capacitor.		• Low losses. • High capacitance in small sizes. • High stability. • Radial. Applications: • Lighting ballasts. • SMPS. • DC and pulse high voltage.
5. " TIP3055 " Transistor.		• DC current gain-h_{FE}=20-70 I_C= 4.0 Adc. • Collector- Emitter saturation voltage-$V_{CE\ (sat)}$ =1.1 Vdc (max) I_C = 4.0 Adc. • Excellent safe operating area. • These are Pb-free devices.

Table 1

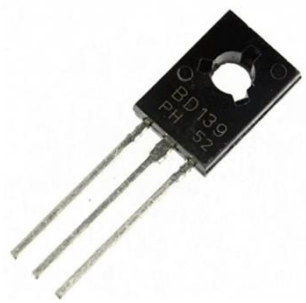
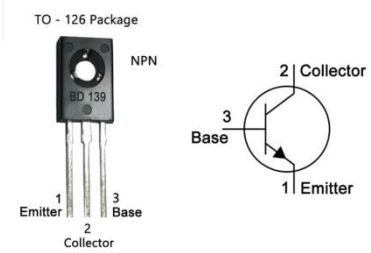
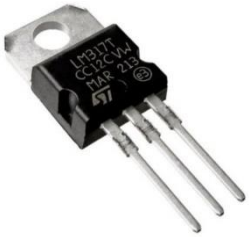
6. " BD139" Transistor.		 • Plastic casing npn transistor. • Continuous collector current (I_C) is 1.5A. • Collector –Emitter voltage (V_{CE}) is 80V. • Collector- Base voltage (V_{CB}) is 80V. • Base current (I_B) is 0.5A. • Emitter base breakdown voltage(V_{BE}) is 5V. • Dc current gain(hfe) is 40 to 160. • Available in to-225 package.
7. " LM317" Voltage Regulator.		 • Output current in excess of 1.5 A. • Output adjustable between 1.2V and 37V. • Internal thermal overload protection. • Internal short circuit current limiting constant with temperature. • Output transistor safe-area compensation. • Floating operation for high voltage applications. • Eliminates stocking many fixed voltages. • Available in surface mount D^2PAK-3, and standard 3-lead transistor package. • NCV prefix for automotive and other applications requiring unique site and control change requirements ;AEC-Q100 qualified and PPAP capable. • These devices are Pb-free, halogen free and are RoHS.

Table 2

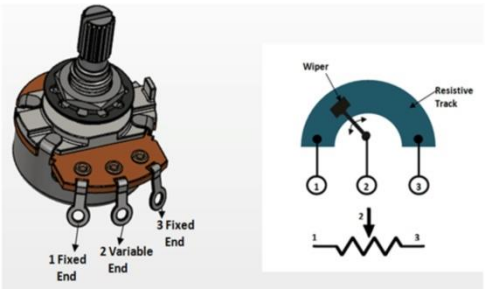
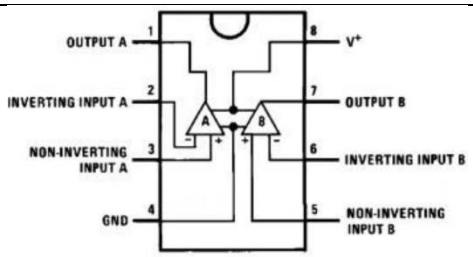
8. Variable Resistance.		 • Type: rotary a.k.a radio POT. • Available in different resistance values. • Power rating: 0.3W. • Maximum input voltage: 200Vdc. • Rotational life: 2000k cycles.
9. Relay.		 • Switching capacity available by 10A in spite of small size design for high density P.C. board mounting technique. • UL,CUL,TUV recognized. • Selection of plastic material for high temperature and better chemical solution performance. • Sealed types available. • Simple relay magnetic circuit to meet low cost of mass production.
10. PCB Terminal.		

Table 3

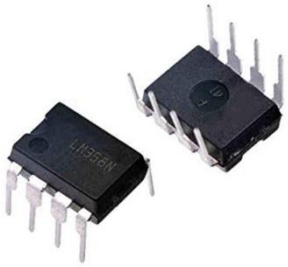
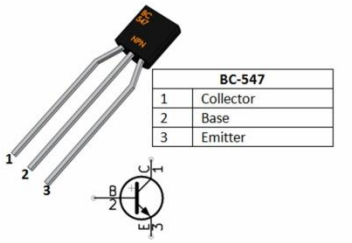
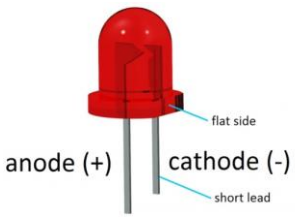
11. “ LM358” OP Amp.		• Short circuit protected outputs. • True differential input stage. • Single supply operation :3.0V to 32V . • Low input bias currents. • Internally compensated. • Common mode range extends to negative supply. • Single and split supply operation. • ESD clamps on the inputs increase Ruggedness of the device without Affecting operation. • NCV prefix for automotive and other Applications Requiring Unique site and control change Requirements; AEC-Q100 Qualified and PPAP Capable. • These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant. (make sure)
12. “ BC547” NPN Transistor.		 • Bi- polar npn transistor. • Dc current gain (h_{FE}) IS 800 maximum. • Continuous collector current (I_C) is 100mA. • Emitter base voltage (V_{BE}) is 6V. • Base current (I_B) is 5mA maximum. • Available in to-92 package.
13. LED.		 • Superior weather resistance. • 5mm round standard directivity. • UV resistant eproxy. • Forward current (IF): 30mA. • Forward voltage (VF): 1.8V to 2.4V. • Reverse voltage: 5V. • Operating temperature: -30℃ to + 85℃. • Storage temperature: -40℃ to + 100℃. • Luminous intensity : 20mcd.

Table 4

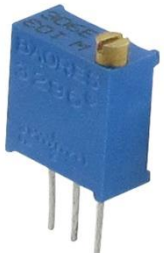
14. Tactile Switch (NC) .		• Crisp clicking by tactile feedback. • Prevent flux rise by insert-molded terminal. • Ground terminal is attached. • Snap-in mount terminal.
15. 10k Trimmer.		• Multiturn / Cermet / Sealed. • Available in both top and side adjustment. • Units can be pre-adjusted at clockwise, counter-clockwise or standard 50 % positon . • Standoffs allow through PC board washing. • Chevron seal design. • RoHS compliant.
16. Voltmeter Screen.		• Measuring and indicating range separate programmable. • LED display 14.2mm red,indicating range 9999 digit. • Max. 4 alarm outputs,relay SPDT or transistor.

Table 5

17. Copper Board.		• Range of sizes. • Single- sided. • Grade:FR2. • SRBP Board. • Thickness: 1.6mm. • 35um Copper thickness. • Easier to drill than epoxy glass fibre. • Suitable for punching at +40˚C to + 70 ˚C. • Warpage and twist are small and stable. Application: • Producing low-cost PCBs for: prototyping,design projects,computers,communications equipment,instrument,OA equipment.
18. Electric Fuse.		• Fast-acting,low breaking capacity. • Optional axial leads available. • 5× 20mm physical size. • Glass tube,silver-plated (63mA-315mA) and nickel-plated(500mA-15A) brass endcap construction. • Designed to UL/CSA 248-14.
19. 1N4007 Zener Diode.		• Diffused junction. • High current capability and low forward voltage drop. • Surge overload rating to 30A peak. • Low reverse leakage current.

Table 6