

IN HOUSE FACILITY

PCB Facility : PCB designing facility which includes PADS logic software and other related softwares for PCB designing, artwork layout and preparation of Gerber plots in format of RS 274 X with trained workforce.

In House Environmental test facility : Computer control Environmental test facility which is capable of conducting following tests as per JSS55555 or as per customer requirement

- A) High Temperature storage
- B) Low Temperature storage
- C) Thermal Shock Test
- D) Temperature Cycling Test
- E) Damp Heat
- F) Burn-in test

The temperature range of this chamber is - 40°C to + 100°C with control accuracy of $\pm 1^\circ\text{C}$. It is capable of achieving and maintaining humidity in the range of 20% to 97% $\pm 3\%$ RH value.

Mechanical machines or manufacturing facility : Glass filled phenolic moulding, precision manufacturing for mechanical parts, heat and surface treatment as well as manufacturing of different types of springs and load tests etc.

Spot welding facility Battery Operated : Spot welding machines, pull test and battery potting facility.

LIST OF TESTING AND SUPPORTING INSTRUMENTS AND MACHINES

- 1) Electronic Section :
 - A) DC power supply
 - B) Digital Storage Oscilloscope
 - C) Function Generator
 - D) Digital Multimeters
 - E) LCR Meters
 - F) Electronic Soldering stations
 - G) SMD components

- H) Test jigs TGET Fuze Testing or various Electronic Testing Jigs
- I) ESD Testing Area.

2) Machines or Chambers :

- A) Battery spot welding machine
- B) Coil winding machine
- C) Ultrasonic sealing machine
- D) Temperature cyclic thermal chambers - 40°C to + 100°C
- E) Hot Storage chambers - 40°C to + 100°C
- F) Air compressor

3) Software Section

- A) PIC microcontroller development board
- B) Various software development platforms
- C) Various Tools like MPLAB, matlab etc.

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