

Product Name :
SMD Technology Kit

Product Code :
NLAB-ELECTRONICSAB210012



Description :

SMD Technology Kit

Technical Specification :

Today s electronic gadgets & equipments are miniaturized with each passing day. In the industry it has largely replaced the previous construction method of fitting components with wire leads into holes in the circuit board (also called through-hole technology) and it has totally revolutionized the manufacturing process.

Surface Mount Technology (SMT) is method for constructing electronic circuits in which the components are mounted directly onto the surface of printed circuit boards (PCBs). Electronics devices so made are called Surface Mount Devices or MSDs.

An SMD component is usually smaller then its leaded counterpart because it has no leads or smaller leads. It may have short pins or leads of various styles, flat contacts, a matrix of balls (BGAs), or terminations on the body of the component (passives), unlike discrete components, SMD components have a huge vareity of packages (size).

SMD Technology will be the order of the day for the electronics industry in the coming years. SMD offers Small

size, consequent High Packing Density, High Reliability & Improved High Frequency performance. SMD Technology Kit to keep you in pace with the technology revolution. The user is familiarized from components their packages to soldering practice.

SMD Technology Kit Contains:

1. SMD Identification Board The user is familiarized with different SMD Components -Resistors, Capacitors, Inductors, Diodes, Transistors & ICs packages.

2. Proto BOARDS

Proto BOARDS are special PCBs with readymade solder pads for various SMD components & ICs, which makes the soldering much easy. It includes Through Hole, SO, SOP, Chip Scale package Proto BOARDS.

3. SMD Soldering Jig

4. SMD Soldering Iron

A Variable Temperature Controlled Soldering Iron is supplied with lead.

5. SMD components

SMD components are supplied for Solder practice. Resistors , Capacitors, Diodes , Transistors

6. Tweezers:

Holding & placing of SMD components.

List of Accessories :

1. SMD Identification Board with manual 1 no.

2. Proto BOARDS 2 nos each

- Discrete Surface Mount

-SOP

-SO

-Through Holes

-Chip Scale

3. SMD Soldering Jig 1 no.

4. SMD Soldering Iron 1 no.

5. SMD components

Resistors , Capacitors, Diodes , Transistors 10 no. each

6. Tweezers 2 no.

7. Manual 1 no.

Naugralabequipments

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