



MOHAMED SATHAK A J COLLEGE OF ENGINEERING

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Department of Electrical and Electronics Engineering

Industrial Visit Details:

Academic Year (2017- 2018)

Name of the company : Fortran Cirkit Electronics Private limited
Address of the company : Perungudi
Date : 24-08-2017
Timing : 10 AM
No of students attend : 09
Year : II year
No of Faculty : 1

Industrial Visit Report:(II Year Students)

INDUSTRIAL VISIT REPORT

Mohamed Sathak A.J. College of Engineering, Chennai

Department of Electrical and Electronics Engineering

ACADEMIC YEAR: 2017-2018

INDUSTRIAL VISIT DATE: 24.08.2017

COMPANY NAME: FOTTRAN CIRKIT ELECTRONICS PVT LTD

MEMBERS VISITED: IInd Year EEE (09 Students)



REPORT REVIEW

We have visit company FOTTRAN CIRKIT ELECTRONICS PVT LTD on 24th August 2017. There we learn about the different stages of plating, specification and designing of PCB motherboard.

They are four stages

PCB AND CNC DRILLING

Printed circuit board (PCB) which used to design the circuit with the silicon coated lines and CNC is used to drill board as per its dimension which is used to place the electronic components

COPPER SHEET LAMINATION



Lamination is the process which is laminated the board with copper sheet which covers the both multiple layers on board "And the mechanically supports and electrically connects electronic components using conductive tracks, pads and other features etched from copper sheet lamination on a non-conductive substrate. In multi-layer boards multiple layers of material are laminated together", thus this stage will complete with in three day's by the beam of silicon light.

GREEN COATING

The lacquer is applied on both side and solder-resist lacquer added, pre-drying the PCB at 160°F/80°C for 20 min, exposing PCB with the artwork (customer design) with the 30°C, developing the solder-resist mask on both side, hardening the solder-resist mask for 320°F/160°C for 30 min, And clean the board "The green is used because it indicated, that it's made from glass-epoxy which is naturally green. Thus mask is applied for safety reason, for preventing eventual short circuits and etc.

INDUSTRIAL VISIT REPORT

BARE BOARD TEST

Bare board test is a stage which can perform a visual inspection following the manufacturing process of printed circuit board to find any potential problems. Since the probe move around to all the PCB test points, flying probe does not require a fixture.

INSPECTION

Finally over all the above four process are plotted, specification and designing of motherboard will be completed and inspected by a person for each and every stage, if anything goes wrong immediately PCB will dispatched to the correction stage.

NOTE: Madam, we request you to provide us extra time in our next industrial visit, because during this visit we got very less time to observe things.



Thanks and Regards,

Second EEE Students.

B S J
STAFF INCHARGE

P. J. ...
HOD/EEE

J. P. ...
PRINCIPAL 27/09/12