
JAGAN SIVAKUMAR

Senior PCB Assembly Engineer

<https://www.linkedin.com/in/jagan-sivakumar-528667131>

✉ jay005eng@gmail.com

☎ +91-8870497600

📍 32, Thirunagar colony, 50 feet pumping station road, Erode-638003, Tamilnadu, India.

Professional Summary

- 8+ years of experience in Electronics manufacturing service industries.
- Thorough understanding of manufacturing & Assembly process. Experienced working with cross functions team.
- Familiar with DFM, DFA, NPI Support and SMT activities for PCBA.
- Good in root cause analysis, Team management, data analysis, problem solving.
- Strong interpersonal & communication skills and Customer handling experience.

Employment

Sierra Circuits Inc. Goa.

May. 2021 – Present

Job title: Senior PCB Assembly Engineer

- Reviewing customer documents, including Bill of Materials, Gerbers/ODB++, Assembly drawings, manufacturing specifications, test procedures, and special instructions. Collaborate with the respective team to ensure data adequacy for the seamless execution of the product.
- Working closely with Engineering team and conduct Design for Assembly (DFA) and Design for Manufacturability (DFM) analysis to identify potential issues for PCB assembly & to be sorted out before manufacturing.
- Identification of BOM parts under REACH, RoHS Compliance requirements with manufacturer support.
- Performing Stencil verification & ordering. Selective solder profile analysis.
- Collaborate with Customers and Cross functional teams regarding reports.
- Preparing process documentation such as SOPs/Work Instructions and final assembly drawing for PCBA.

Skyla technologies. Tamil Nadu

Sept. 2016 – May. 2021

Job title: SMT Engineer

- BOM & Gerber/ODB++ Validation.
- Pick and place programming for SMT machines.
- Virtual components creation for library and VPL management.
- Generating CAD and FPT/AOI programming.
- Creating detailed process plans, DNI drawing, and work instructions for the assembly and manufacturing processes.
- Perform Pre-manufacturing Design Rule Checks for Single Sided, and Multilayer jobs. Array and Penalization.

PAS Industries India Pvt Ltd. Tamil Nadu

July. 2015 – Aug. 2016

Job title: Electrical Engineer

- Inspect machinery to determine whether repairs are needed. Monitor operations.
- Power house maintenance. Electrical machines erection and commissioning.

Education

| | |
|---|-------------------------------|
| Diploma in Industrial Safety Annamalai University (Chidambaram, Tamilnadu), CGPA 8.2 | Oct. 2015 – May. 2016 |
| PG Diploma in Electrical Safety & Safety Management Annamalai University (Chidambaram, Tamilnadu), CGPA 6.5 | Oct. 2014 – May. 2015 |
| Bachelors of Engineering in Electrical and Electronics Engineering Surya Engineering College (Erode, Tamilnadu), CGPA 6.7 | July. 2011 – May. 2015 |

Qualifications, Skills & Tool

SKILLS

- Proficient in DFA/DFM validation using Vayopro-DFM and Valor NPI tools, with a strong understanding of DFA/DFM guidelines (IPC 600 and IPC 610 Standards).
- Experience in SMT, FPT & AOI programming using Mentor Graphics Valor MSS and FactoryLogix NPI tools.
- Participate in Design review and Basic DRC rule checking knowledge with Genesis 2000.
- Component sourcing, pricing and Understanding of SMT/TH Assembly processes.
- Proficient in Library component creation and VPL management for component library.
- Member of Material Review Board (MRB) and Approving changes to Bill of Materials (BoM).
- Assist QC leader to track or deal with issues in assembly and coordinating on failure analysis.
- Involving in Process review meetings. Prepare daily efficiency & monthly KPI reports.
- Experience in team management and customer collaboration regarding projects.

SOFTWARE AND COMPUTER SKILLS

- Mentor Graphics Valor MSS & Valor NPI
- Vayopro-DFM, Gerber, Step to Vayo & Component library manager.
- FactoryLogix NPI, CAM350, Genesis 2000
- GC Powerplace, Viewmate, FAB 3000
- MS Office, MS Outlook

Personal Details

- | | |
|---|---|
| <ul style="list-style-type: none">• DOB: 04, April 1994• Marital Status: Single• Gender: Male | <ul style="list-style-type: none">• Nationality: Indian• Passport Number: L7495712• Language known: English & Tamil |
|---|---|
-

Declaration

I hereby declare that the above-mentioned information is accurate to the best of my knowledge and belief.

Date & Place:

(Signature)