

ALYSSA ROMERO

PROCESS ENGINEERING TECHNICIAN

CONTACT

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🏠 Tempe, AZ

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SKILLS

- Root Cause Analysis
- Manufacturing Processes
- AutoCAD
- SolidWorks
- SPC
- Microsoft Excel
- PowerPoint
- Microsoft Word
- Mechanical Aptitude
- Accountability

EDUCATION

Associate of Applied Science

05/2020

Mesa Community College

Mesa, AZ

Electronics Technology

CERTIFICATES

Lean Six Sigma Green Belt

02/2024

ASQ

IPC J-STD-001

Certified IPC

Specialist

10/2020

IPC

SUMMARY

Process engineering technician with 6 years supporting printed circuit board, cable and electronics assembly lines. Runs SPC, designed experiments and root cause analysis on solder and placement defects, redrews line layouts in AutoCAD and models fixtures in SolidWorks. Strong grasp of manufacturing processes, mechanical aptitude and accountability for every change released to the floor.

EXPERIENCE

Process Engineering Technician

06/2022 - Present

Sonoran Circuit Technologies

Tempe, AZ

Electronics manufacturing services provider for aerospace and industrial customers.

- Tune reflow and wave solder profiles for 85 board assemblies, raising first-pass yield from 91% to **97%**.
- Conduct root cause analysis on AOI and X-ray defect data, writing 8D reports that closed 26 customer complaints.
- Redesign SMT line layouts in AutoCAD, freeing 600 square feet for a new conformal coating cell in 2025.
- Monitor SPC charts on paste height and placement offset, stopping lines before parts drift out of tolerance.

Process Technician

07/2020 - 05/2022

Desert Valley Electronics

Chandler, AZ

Cable harness and box-build assembler for defense contractors.

- Set up crimp and strip machines for 300+ harness part numbers, validating pull tests before each run.
- Built 20 SolidWorks fixtures for harness boards, cutting layout time per harness by 12 minutes.
- Wrote process change notices in Microsoft Word and trained 3 shifts on each update within a week.
- Presented weekly scrap Pareto charts in PowerPoint, guiding a 19% scrap cut over 6 months.

Electronics Assembler

08/2018 - 06/2020

Valley of the Sun Assembly

Mesa, AZ

Part-time role at a PCB rework shop while in college.

- Assembled and reworked 200 through-hole boards a week to IPC workmanship standards.
- Checked solder joints under magnification and logged defects in a Microsoft Excel sheet for the lead.
- Packaged finished boards in ESD-safe trays for 15 customer shipments a month.