

Project Summary:

Review of Transition to Pb-Free

By being classified as a control and monitoring equipment manufacturer, our client was exempt from existing RoHS legislation. With this in mind, changes in policy by trade associations, governments, competitors or customers would suddenly require a swift and smooth transition to lead-free. In order to be prepared for RoHS compliance, reviews needed to be done of the supply chain, design, manufacturing, and product qualification. With DfR's detailed plan, the control manufacturer was fully versed and equipped for the possibility of transitioning to lead-free.

Keywords: Pb-free, lead-free, Pb free, lead free, DfM, design for manufacturability, DfR, design for reliability, documents, plant tour, large-scale industrial tools, control and monitoring equipment, electronic tools, indicators, bill of materials, BOM, ASIC, transformers, solenoids, cadmium plating, hexavalent chromium, PBB, PBDE flame retardant, moisture sensitivity levels, MSL, organic solderability preservative, immersion tin, immersion silver, popcorning, reduced wetting, bond pad sizing, cross-contamination, outsourcing, production, manufacturing, in-house, nitrogen blanket, defect rate, solder consumption, board plating, solder alloy, flux chemistry, PTH, plated through hole, thru hole, reflow profile, tin whiskering, solderability issues, dendritic growth, microprocessor, vendor statements, future availability of parts, board finish, HASL, OSP, contract manufacturer, touch up, SMT, wave soldering