

# Lead-free Soldering In Electronics: Science, Technology And Environmental Impact

**Katsuaki Suganuma**

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Getting the Lead Out of Electronics . for Life Cycle Assessment, National Institute of Advanced Industrial Science and Technology (AIST), of the use of certain hazardous substances in electrical and electronic equipment). Lead-free solder is anticipated to reduce toxic environmental .. 6) NEDO, JEMAI: Development of Assessment Technology of Life. ?Lead-Free Soldering in Electronics: Science, Technology, and . Antoineonline.com : Lead-Free Soldering in Electronics: Science, Technology, and Environmental Impact (9780824741020) : Katsuaki Suganuma : Livres. Electrical Contacts: Fundamentals, Applications and Technology - Google Books Result Lead-Free Soldering in Electronics: Science, Technology, and Environmental Impact [Katsuaki Suganuma] on Amazon.com. \*FREE\* shipping on qualifying Global Life Cycle Impact Assessments of Material Shifts: The . - Google Books Result The unhealthy effects of lead to the environment and . The effects of Bi addition on the intermetallic phase formation in the lead-free interface – Cu Sn and Cu Sn . Cu Sn is formed during soldering. continues to the area of working temperature of electronics. . Faculty of Materials Science and Technology in Trnava. Lead-free soldering in electronics : science, technology and . K. Suganuma: Lead-Free Soldering in Electronics. Science, Technology, and Environmental Impact, Marcell Dekker, New York 2004. T.T. Mattila, T.T. Laurila, Lead-Free Soldering in Electronics: Science, Technology, and . ?3 Mar 2015 . Science & Technology Life-Cycle Assessment for Lead-Free Solder in Electronics. About the of the electronics industry and other interested parties to evaluate the environmental impacts of tin-lead and lead-free solders. Lead-Free Soldering in Electronics - Science, Technology, and Environmental Impact (Electronic book text) / Editor: Katsuaki Suganuma ; 9786610102853 . 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