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a straightforward demystification of electronics and the internet of things a geek girl s guide to electronics and the internet of things breaks down and simplifies electronics and the internet of things for the layperson written by a leading technical school instructor with a talent for bringing complex topics to everyday people this book provides concrete examples and practical advice for anyone interested in building repairing or studying electronics and functional internet of things iot devices a geek girl s guide to electronics and the internet of things explores a wide range of topics including among others ohm s and watt s law series and parallel circuits diodes transistors capacitors and relays motors and pulse with modulation using light to control electricity photovoltaic cells and transducers enhancing circuits with arduino connecting circuits to networks the distinguished author s website includes videos to help you build and enhance projects along with deeper information to enrich your learning additionally the book goes beyond theory and teaches readers how circuit components become iot devices and provide the data that drive our modern world the combination of hands on activities and solid pedagogy ensures long lasting retention of the material for everyone

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even though the effect of lead contamination on human health has been known for decades very little attention has been paid to lead based solders used in electronics until recently this comprehensive book examines all the important issues associated with lead free electronic solder it collects the work of researchers recognized for their significant scientific contributions in the area

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