Secrets of a Successful QTouch™ Design. Applies to all QTouch™ devices such as QT1xx, QT240, and QT1xxx ICs. This application note applies to "simple" electrode designs for touch controls, especially those designs where the electrode(s) and QT chip are on one PCB that is bonded to. This application note is designed to give you a confident head start in making a successful design with a minimum number of iterations, by showing you what works well and what does not, along with some suggestions for making a more creative and robust design. Fig. 1c - Flex circuit (KaptonTM polyamide). These are usually caused by direct coupling of RF fields into the pins of the chip via associated traces. Electrode traces will act as RF antennas at high frequencies. Design Note Collection, the third book in the Analog Circuit Design series, is a comprehensive volume of applied circuit design solutions, providing elegant and practical design techniques. Design Notes in this volume are focused circuit explanations, easily applied in your own designs. This book includes an extensive power management section, covering switching regulator design, linear regulator design, microprocessor power design, battery management, powering LED lighting, automotive and industrial power design. Other sections span a range of analog design topics, including data conversion. If you like hands-on electronics, you'll love Secrets of RF Circuit Design, Third Edition, by Popular Electronics writer Joe Carr. This update of the favorite RF circuit guide of thousands of electronics enthusiasts takes you inside wireless technology with step-by-step, illustrated directions for dozens of usable projects. You learn how to design and build receiver circuits, RF bridges, amplifiers, receiver preselectors, simple spectrum analyzers, and time domain reflectometers. You get detailed insights into simple RF instruments, as well as UHF and microwave components. Complete troubleshooting guidance and handy parts lists and components sources.

Secrets of RF Circuit Design [3rd ed]9780071370677, 0071370676. admin | January 31, 2020 | Technology | No Comments. Author : Joseph Carr. Description: This is a good book for an intermediate or advanced radio hobbyist. I thoroughly enjoyed the parts about the history of various aspects of radio equipment and I found many useful design and construction tips. The circuits described can be used in your own radio projects, or just to give insight into doing your own designs. The author touches on just about every area that a ham radio enthusiast needs for homebrew.