

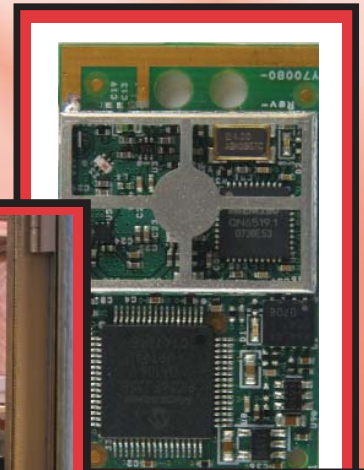
# RF/Wireless Design

Indesign offers an RF circuit design team with extensive design experience in a variety of wireless technologies. Whether your product requires a standards-based wireless feature, such as ZigBee, or a completely custom, optimized wireless protocol, Indesign can implement the wireless technologies needed for your product. We can evolve your product concepts into a wireless design for production. We are experienced in working with clients and manufacturers to develop wireless products that can be economically built and tested in production.

Indesign RF engineers can design your wireless product, or we can consult on a particular aspect of the RF circuit or antenna. Indesign engineers are experts in solving problems with unwanted RF emissions and susceptibility to achieve successful RF compliance testing. We are familiar with FCC, military and other compliance specifications. We have good working relationships with many qualified test labs.

## RF/WIRELESS DESIGN

- 802.15.4, ZigBee®
- 802.11b, 802.11g, Wi-Fi
- Embedded Bluetooth® devices
- Embedded GSM/GPRS modems
- Embedded GPS receivers
- Embedded satellite transceivers
- 125 kHz RFID readers and tags
- Custom radio protocols at 900 MHz and 2.4 GHz
- Custom and proprietary wireless links up to 3 GHz
- Path loss and link budget studies
- Diversity techniques
- Antenna design: LF, 315 MHz, 433 MHz, 915 MHz, 2.4 GHz
- M2M



\*Bluetooth is a registered trademark owned by its proprietor and used by Indesign under license.

\*Zigbee is a registered trademark owned by its proprietor and used by Indesign under license.

## About Indesign:

Indesign is a multi-discipline engineering design firm that provides full turnkey electronic product development to allow clients to get their new product ideas into the market quickly. Indesign offers complete product development capabilities, starting with a product concept and finishing with a ready-to-manufacture design. Indesign has an ISO certified product development process and a proven track record for on-time, on-budget, high quality product realization.

Indesign provides specific design engineering services and expertise in electrical design, RF/wireless design, embedded software design, and mechanical design. Indesign also provides engineering services and expertise in a variety of other technical areas including systems engineering, human factors, project management and product validation testing. Indesign engineers can complement a client's in-house design engineering staff, working in partnership with clients on joint development projects.



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