RENESAS

BIG IDEAS FOR EVERY SPACE

THE LEADER IN WIRELESS POWER

Leverage our leading-edge technology in your wireless power design with a portfolio that delivers the industry's best flexible SoC architecture, efficiency and hardware/algorithm implementation.

Our highly integrated transmitter ICs are designed for use in fixed and portable charging bases, while the ultra-compact, low-power receiver ICs are targeted at portable devices and accessories. With variations in input voltages, wireless power standards support, and coil types/numbers, Renesas' wireless power solutions are suitable for a wide range of applications spanning virtually all markets and industries. In addition, some wireless charger ICs can provide additional benefits for increased wattage and control when paired together.

Because implementing wireless charging technology is complex, Renesas complements its solutions with reference designs, support tools, and design-in documentation – streamlining the design-in process as much as possible.

Renesas is a member of the Wireless Power Consortium (WPC) and develops wireless power ICs and reference design certified to the Qi standard.

Renesas Advantages

- Industry first, flexible ARM® Cortex®-M0-based SoC architecture
- Industry-leading efficiency
- Unique and proven hardware / algorithm implementation
- Widest portfolio of wireless power Tx and Rx ICs distinct advantages in:
  - Integration
  - Ease-of-use
  - Power efficiency
  - Flexibility
- Qi-compatible wireless charging ICs
- Design support
  - Reference design kits enable fast prototyping and time-to-market
  - Extensive documentation library
    - Application notes
    - Design guides
    - User manuals
  - Online support tools

LEADING THE CHARGE

WIRELESS POWER

renesas.com/wirelesspower

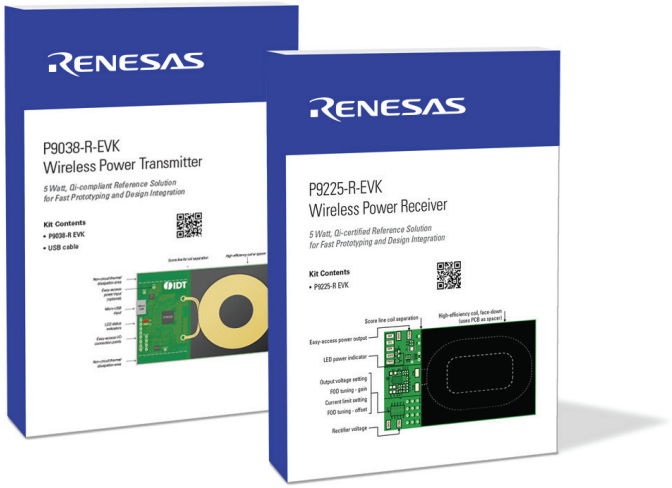
HIGH-EFFICIENCY, TURNKEY REFERENCE DESIGNS FOR FAST PROTOTYPING

Renesas' Qi-certified wireless power Tx and Rx reference kits include easy-to-use reference boards and comprehensive support collateral to significantly ease design and minimize time-to-market. An associated layout module enables copy and paste to a system board, while an optimized and fully-tested BOM takes the guesswork out of component selection.

Reference Design Kit for 5W Applications

Key Applications

- Charging accessories
- Sport cameras
- Medical devices
- Portable mobile speakers
- Phone Tx infrastructure

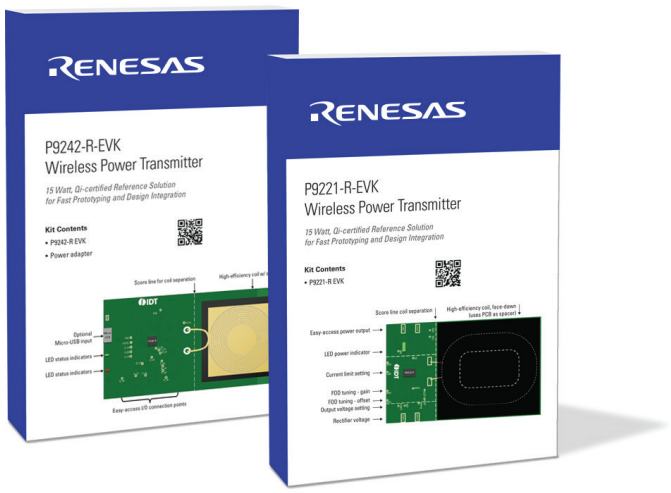


Part Number	Product Description	Coils	WPC Qi Standard
P9225-R-EVK	Receiver	5W	1.2
P9235A-RB-EVK	Transmitter	A11A	1.2.4

Reference Design Kit for 15W Applications

Key Applications

- Tablets
- Point-of-sale scanners
- Desktop printers
- Power banks
- Portable speakers
- Charging accessories



Part Number	Product Description	Coils	WPC Qi Standard
P9221-R-EVK	Receiver	15W	1.2
P9242-R-EVK	Transmitter	MP-A2	1.2

To request samples, download documentation or learn more visit: **renesas.com/wirelesspower**

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Document No.: R16DS0140EU0000