

Wireless Charging Solutions LinkCharge[®]

Semtech's wireless charging expertise, leadership, and versatile feature set ensure design success

Standards

• WPC (Qi[®]) most well known for inductive standard leading the market on wireless charging for smart phones

Why Semtech?

- Wireless Power Consortium (WPC) member since 2010
- Major contributor to WPC 65W initiative
- Multi power level support
- iPhone 5W, 7.5W (fast charging)
- Samsung 5W, 9W (fast charging)

For more information, visit semtech.com/power-management/ wireless-charging-ics/





ال ال ال



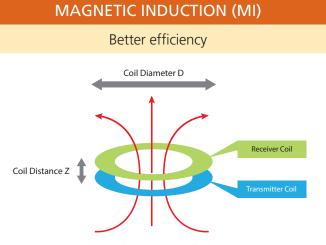
Wireless Charging Transmitters & Receivers

Semtech offers wireless power transmitter and receiver platforms for both direct and indirect charge applications in both standards-compliant and non-compliant systems. Semtech is a member of the Wireless Power Consortium (WPC) and is active in helping shape the future standards for wireless power.

FEATURE	INDUCTION	RESONANCE
Positioning Freedom	Lower	Higher
Efficiency	Higher	Lower
Power to Rx	Higher	Lower
Cost	Low	High
Radiated Emissions	Low	High

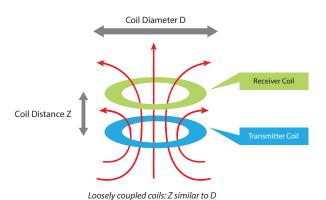
LinkCharge[®] Product Family

PRIMARY TECHNOLOGIES



MAGNETIC RESONANCE (MR)

Better positioning flexibility



Tightly coupled coils: Z much smaller than D

LINKCHARGE WIRELESS CHARGING EVM PORTFOLIO







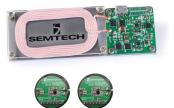
HIGH POWER

LinkCharge 20

LOW POWER WEARABLE

LinkCharge LP

TSWIRX-5V-2RX-EVM



MEDIUM POWER

LinkCharge 5, 10, 15, CT

TSDMTX-5V2-EVM

LinkCharge CT

TSDMTX-19V2-EVM

TSDMRX-19V/20W-EVM







200 Flynn Road, Camarillo, California 93012 • phone: (805) 498-2111 • fax: (805) 498-3804

Semtech, the Semtech logo and LinkCharge are registered marks of Semtech Corporation. All other trademarks and trade names mentioned may be marks and names of their respective companies. Semtech reserves the right to make changes to, or discontinue any products described in this document without further notice. Semtech makes no warranty, representation or guarantee, express or implied, regarding the suitability of its products for any particular purpose. ©2018 Semtech Corporation. All rights reserved. WC-Basics-PB

TSDMRX-5V/10W-EVM







