

Powermat for Wearables:

Wireless Charging solutions

Solution Description

Low-Range Wireless Charging Platform

Provides 0.1-5W of power to enable consumers the ultimate convenience of drop and charge. The platform enables wireless charging capabilities for wide variety of applications with low power consumption. Offering complete reference design with regulatory support. Powermat high quality, sleek designs are cost effective and use magnetic induction to safely charge smart devices anytime, everywhere.

Feature Highlights

- Support **small** coils dimension
- **Foreign Object Detection (FOD)** with advanced quality factor (Q factor) estimation algorithms
- **Freedom of positioning**—Scalable charging area
- Optimized for low power designs **with high efficiency**
- **Smart battery management** with multiple chemistry support

Supported Application:

- Smartwatches
- Earphones
- Hearing aids
- Smart bracelets
- IoT devices
- Video game consoles

About Powermat

Powermat is the wireless charging pioneer and leader, provider of the largest wireless charging ecosystem in the world, and the forefront of inductive wireless charging technology development. With over than 130 granted patents, Powermat enables OEM providers to offer wireless charging to their customers. Powermat provides high quality, cost effective solution for the Automotive, Laptops, Wearables, Gaming, Security, 5G communication and many other industries.

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