THE VALKYRIE
15W MEDIUM POWER WIRELESS CHARGING SOLUTION
SPK-4102-1C10C

FEATURES

- WPC Qi v1.2.4 EPP certified
- Supports all fast charge smartphones
- Fixed frequency architecture
- Improved accuracy Foreign Object Detection (FOD)
- Uses QC2.0 (for 10W) or QC3.0 (for 15W) power adaptors
- Standard single coil (WPC type MP-A11)
- 15W charging without exotic thermal management
- Supports future products and standards with a firmware upgrade
- Charger is backward compatible with low-power and legacy devices
- Supports custom coil designs
- Applications: smartphone charging, medical instruments, tablets, handheld terminals, digital cameras, handheld games

spark
connected
Powering the world, wirelessly
PARTNERING WITH SPARK CONNECTED

COMPLETE END-TO-END SYSTEM SOLUTIONS

SYSTEM HARDWARE DESIGNS
- Customer UX requirements
- System level modeling & simulations
- Hardware schematic design
- PCB layout
- Coil magnetic flux modeling & simulations
- Coil and Antenna designs

APPLICATION SOFTWARE DESIGNS
- Intelligent Control Systems
- API, Algorithm & Artificial Intelligence
- Thermal and emissions modeling
- Validation & test using prototype hardware
- Data Architecture & Code Release
- Maintenance & configuration control

WIRELESS POWER SYSTEM INTEGRATION
- Support customers integrate wireless charging in their end-product
- Qi pre-compliance testing
- Support customer during final Qi certification process
- Support partners during the regulatory approval process