


## Single Mode Wireless Power Receiver 20-Pin VQFN EP

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	QFN
<b>Product Type:</b>	Power Management ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

### DESCRIPTION

The bq5105x is a high efficiency, wireless power receiver with Li-Ion/Li-Pol battery charge controller for portable applications. The bq5105x device provides efficient AC/DC power conversion, integrates digital controller required to comply with Qi v1.1 communication protocol and all necessary control algorithms needed for efficient and safe Li-Ion and Li-Pol battery charger. Together with bq500210 transmitter-side controller, the bq5105x enables a complete wireless power transfer system for direct battery charger solution. By utilizing near-field inductive power transfer, the receiver coil embedded in the portable device can pick up the power transmitted by transmitter coil. The AC signal from the receiver coil is then rectified and conditioned to apply power directly to the battery. Global feedback is established from the receiver to the transmitter in order to stabilize the power transfer process. This feedback is established by utilizing the Qi v1.1 communication protocol.



## Recommended For You

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### **BQ51013BRHLR**

Texas Instruments, Inc  
VQFN20

### **BQ51050BRHLR**

Texas Instruments, Inc  
VQFN-20

### **BQ24045DSQR**

Texas Instruments, Inc  
WSON10

### **BQ24725ARGRT**

Texas Instruments, Inc  
QFN

### **BQ7693000DBT**

Texas Instruments, Inc  
TSSOP30

### **BQ25896RTWT**

Texas Instruments, Inc  
QFN24

### **TL432BQDBZR**

Texas Instruments, Inc  
SOT23-3

### **BQ2050HSN-A508**

Texas Instruments, Inc  
SOP16

### **BQ24192RGER**

Texas Instruments, Inc  
VQFN24

### **BQ2000SN-B5**

Texas Instruments, Inc  
SOP8

### **BQ24105RHLR**

Texas Instruments, Inc  
VQFN20

### **BQ24190RGER**

Texas Instruments, Inc  
VQFN24

### **BQ24010DRCR**

Texas Instruments, Inc  
QFN

### **TPS54360BQDDAQ1**

Texas Instruments, Inc  
SOP-8

### **TLV431BQDBZRQ1**

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SOT23