


Single Mode Wireless Power Receiver 20-Pin VQFN EP

Manufacturer:	<u>Texas Instruments, Inc</u>
Package/Case:	VQFN-20
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	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

BQ51013BRHLR

Texas Instruments, Inc
VQFN20

BQ51050BRHLT

Texas Instruments, Inc
QFN

BQ24045DSQR

Texas Instruments, Inc
WSO10

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