

**Functional Overview**

The JLR RFR CTO module is a RF Receiver module that supports Remote Keyless Entry (RKE) and Passive Entry Passive Start (PEPS). The module will go into various vehicle platforms and support many different countries using 315MHz operation frequency. The module has a power input (VBATT), Ground and LIN communication. This module communicates to a Body Control module thru LIN to perform RKE and PEPS functions. The user activates RKE and PEPS functions using a handheld transmitter (FOB). The antenna of the RFR CTO module is internal to the receiver housing and no external antenna will be used. The RFR CTO main circuits are a voltage regulator with integrated LIN communication hardware, Microcontroller and RF circuit. The operating distance for RKE functions is 20 meters minimum.