

## **LK45162EVB**

### *Advance Information*

# **Universal Programmable Dual PLL Demo Board**

The LK45162EVB is a demo board for the 2.5 to 5.5 V, 60 MHz Universal Dual PLL (MC145162). This demo board implements the front-end receiver of a 1.7/47 MHz base set cordless phone per the United Kingdom standard. It contains three main parts: MCU, FM-IF receiver, and UDPLL. Also, the demo board supports demonstrating reception of additional RF signals encompassing standard cordless phone frequencies of other countries. This is accomplished with proper DIP switch settings and by modifying a capacitor value on the demo board.

#### **LK45162EVB Features**

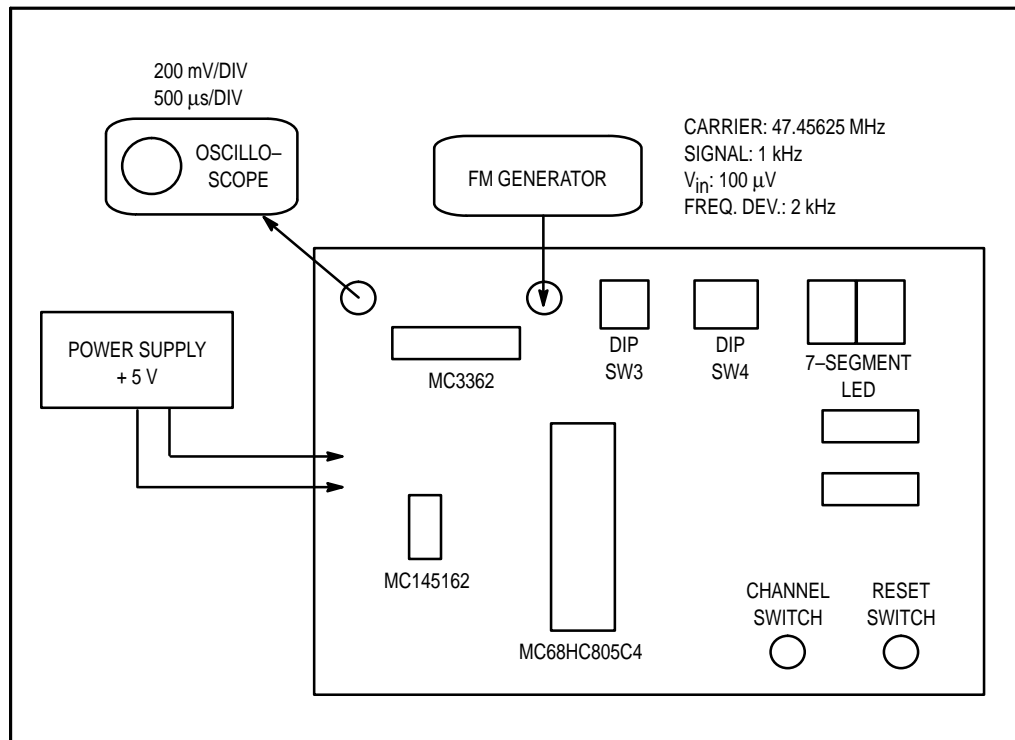
- Front-End Receiver for 1.7/47 MHz Base Set CT-0 per the United Kingdom Standard
- Configurable to One of Seven Different Countries' CT-0 Standard by Proper DIP Switch Setting. The Configurable Country Standards are France, Spain, New Zealand, Australia, United Kingdom, United States, and Korea.
- Eight-Position DIP Switch to Program the On-Board MC145162 for Different Programming Schemes and Different MC145162 Configurations
- Provides MC145162 TEST and NORMAL Mode of Operation
- Two 7-Segment LED Displays Included for Channel Number Indication
- Single 5.0 V Power Supply

#### **MC145162 Features**


- Dual Phase Detectors with Programmable Receive, Transmit, Reference, and Auxiliary Reference Dividers
- 2.5 to 5.5 V Operating Voltage Range
- 200 mV p-p Input Sensitivity
- 3 mA @ 2.5 V Operating Current
- Maximum Operation Frequency Up to 60 MHz
- 3- or 4-Pin Serial Interface to External MCU
- Standby Mode

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**Figure 1. Configuration of LK45162EV B Demo Board**

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