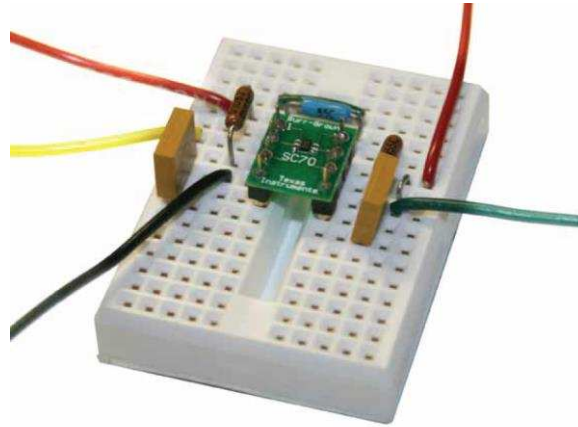


EVM-LEADED1 User's Guide

This document is the evaluation module (EVM) User's guide for the EVM-LEADED1 which provides an easy evaluation of TI's common leaded packages.



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1 About this Manual

This user's guide describes the EVM-LEADED1 evaluation module (EVM) and its intended use.

2 Information About Cautions and Warnings

The information in a warning is provided for personal protection and the information in a caution is provided to show how to protect equipment from damage. Read each caution and warning carefully.



CAUTION

This EVM contains components that can potentially be damaged by electrostatic discharge. Always transport and store the EVM in its supplied ESD bag when not in use. Handle using an antistatic wristband. Operate on an antistatic work surface. For more information on proper handling, see [Electrostatic Discharge \(ESD\)](#).

3 Introduction

The EVM-LEADED1 allows for quick testing and bread boarding of TI's common leaded packages. The board has a footprints to convert TI's D, DBQ, DCT, DCU, DDF, DGS, DGV, and PW surface-mount packages to 100-mil DIP headers. The 100-mil headers will interface into the breadboard for quick prototyping and testing of ICs.

3.1 List of Hardware Items for Operation

The following items are required for EVM evaluation:

- EVM-LEADED1 printed-circuit board (PCB)

Figure 1 illustrates the EVM-LEADED1 board.

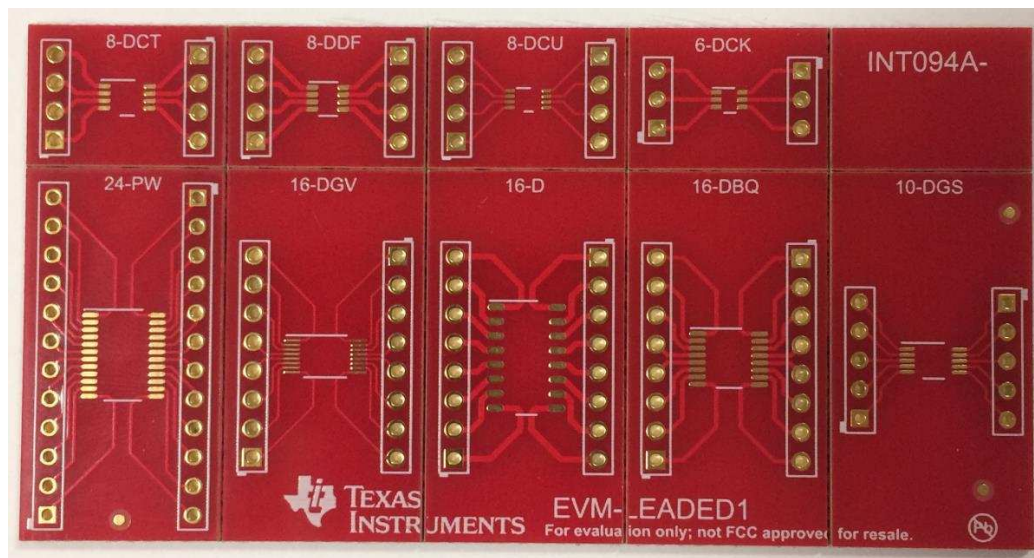


Figure 1. EVM-LEADED1

4 EVM-LEADED1 Connections Overview

All the signal paths for the EVM-LEADED1 are broken out to test points for easy DC functional evaluation.

4.1 Usage Instructions

Instructions for IC use follow:

1. Solder ICs to the adapter PCB. Parts may be hand-soldered or attached with infrared (IR) or hot air reflow techniques.
2. Use long-nose pliers to snap terminal strips (Sullins part number GBC36SAAN) into desired lengths.
3. Gently flex the panel at score lines to separate boards.
4. Insert terminal strips into a spare DIP socket to align pins.
5. Position the board over the pins and solder the connections.
6. Carefully remove from the DIP socket.

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Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

3.2 Canada

3.2.1 For EVMs issued with an Industry Canada Certificate of Conformance to RSS-210 or RSS-247

Concerning EVMs Including Radio Transmitters:

This device complies with Industry Canada license-exempt RSSs. Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Concernant les EVMs avec appareils radio:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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Concernant les EVMs avec antennes détachables

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http://www.tij.co.jp/lstds/ti_ja/general/eStore/notice_01.page

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2. Use EVMs only after User obtains the license of Test Radio Station as provided in Radio Law of Japan with respect to EVMs, or
3. Use of EVMs only after User obtains the Technical Regulations Conformity Certification as provided in Radio Law of Japan with respect to EVMs. Also, do not transfer EVMs, unless User gives the same notice above to the transferee. Please note that if User does not follow the instructions above, User will be subject to penalties of Radio Law of Japan.

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