

# TLV7011-2-3-41EVM User's Guide

The TLV70x1 family consist of single-channel, low-voltage, low-power comparators packaged in the ultra-small DPW package measuring  $0.8 \times 0.8 \times 0.4 \text{ mm}^3$ . TLV7011-2-3-41EVM is intended to make it easier to evaluate or to integrate the device with the user's prototype system. The shipping EVM board has the TVL7011 installed.

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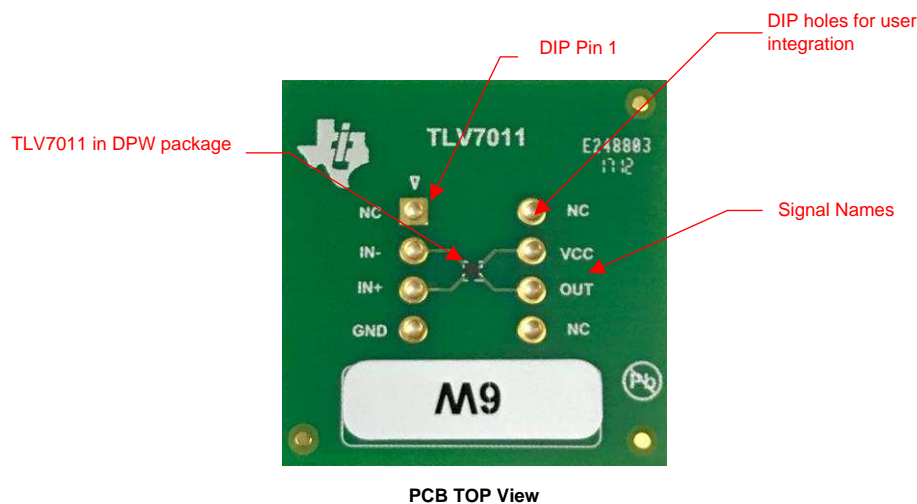
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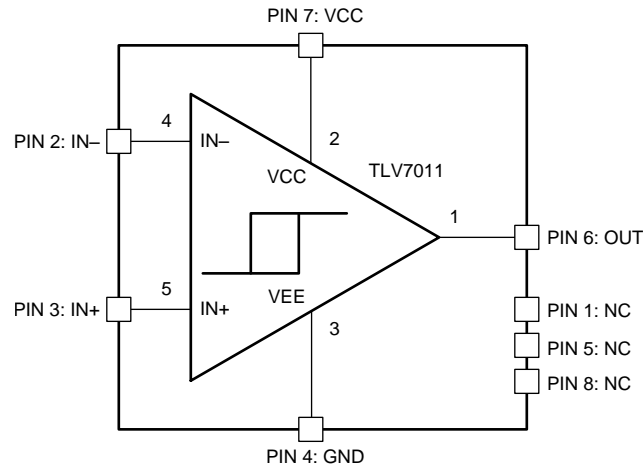
## 1 General Description

The EVM board provides mounting holes which are compatible to the industry standard DIP package. Either an 8-pin DIP socket or common 0.1" pin headers can be installed depending on the user's integration requirement.



**Figure 1. TLV7011-2-3-41EVM Board Top View**

## 1.1 TLV7011-2-3-41EVM Block Diagram



**Figure 2. TLV7011-2-3-41EVM Pin Assignment**

**Table 1. TLV7011 and EVM Board Signals**

TLV7011 DEVICE		TLV7011-2-3-41EVM DIP HOLES	
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
1	OUT	6	OUT
2	VCC	7	VCC
3	VEE	4	VEE
4	IN-	2	IN-
5	IN+	3	IN+
		1, 5, 8	NC

## 1.2 User Evaluation or System Prototype

TLV7011-2-3-41EVM does not have any bypass capacitors installed. Users should install a 0.01- $\mu$ F ceramic capacitor across VCC (DIP pin 7) and GND (DIP 4) with wires kept as short as possible to the 2 power pins when integrating with their system.

Depending on the user's setup, a standard 8 pin DIP socket or 0.1" pin headers can be installed. The user may also solder wires directly to the DIP holes.

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### CAUTION

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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:

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(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.

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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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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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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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