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EVM WARNINGS AND RESTRICTIONS

It is important to operate this EVM within the supply voltage range of 8 V to 18 V.

Exceeding the specified supply voltage range may cause unexpected operation and/or irreversible damage to the EVM. If there are questions concerning the supply voltage range, please contact a TI field representative prior to applying power to the device under test (DUT).

Applying loads outside of the specified load impedance may result in unintended operation and/or possible permanent damage to the EVM. Please consult the EVM User's Guide prior to connecting any load to the EVM output. If there is uncertainty as to the load specification, please contact a TI field representative.

During normal operation, some circuit components may have case temperatures greater than 65°C. The EVM is designed to operate properly with certain components above 65°C as long as the input and output ranges are maintained. These components include but are not limited to linear regulators, switching transistors, pass transistors, and current sense resistors. These types of devices can be identified using the EVM schematic located in the EVM User's Guide. When placing measurement probes near these devices during operation, please be aware that these devices may be very warm to the touch.

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Preface

About This Manual

This user's guide describes the characteristics, operation, and use of the TPA3001D1EVM. The user's guide includes a schematic diagram, bill of materials (BOM), and board layout diagrams.

How to Use This Manual

This document contains the following chapters:

Chapter 1—Introduction

Chapter 2—Quick Start

Chapter 3—Bill of Materials, Schematic, and PCB Layers

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A warning statement describes a situation th t could potentially cause harm to <u>you</u>.

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