

12500 TI Boulevard, MS 8640, Dallas, Texas 75243

## Notification# 20241217017.0 Datasheet for TLC556x Information Only Datasheet

**Date:** December 18, 2024 **To:** Newark/Farnell PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the Change Management team.

Sincerely,

Change Management Team SC Business Services

## 20241217017.0 Information Only Datasheet Attachments

## **Products Affected:**

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER	
TLC556CD	NULL	

Technical details of this Product Change follow on the next page(s).

PCN Nu	<b>PCN Number:</b> 20241217017.0		PCN Date:	December 18, 2024				
Title:	Datasheet for	TLC556x						
Custom	er Contact:	Change Management team	Dept:	Quality Serv	/ices			
Change	Change Type: Electrical Specification							
PCN Details								
Descrip	tion of Chang							
		prporated is announcing an inform	ation only	notification.				
The proc	luct datasheet	(s) is being updated as summarize	d below.					
The follo	wing change h	istory provides further details.						
	XAS				TLC556, TLC556M			
	ISTRUMENTS				EVISED DECEMBER 2024			
		3 (September 1997) to Revision C (Dec			Page			
		tion						
		ation table and Simplified Schematic figur						
		arding ESD ratings under MIL-STD-883C, bles to <i>Pin Configuration and Functions</i>						
		Information section						
		l power dissipation specification from Abs						
		le and HBM and CDM specifications			4			
		ation Ratings table to Thermal Information						
therm	al specifications		Electrical Of		- 01/6-			
<ul> <li>Changed reset current (I<sub>(reset)</sub>) test conditions to V<sub>RESET</sub> = V<sub>DD</sub>, in <i>Electrical Characteristics:</i> V<sub>DD</sub> = 2V for TLC556C, V<sub>DD</sub> = 3V for TLC556I, Electrical Characteristics: V<sub>DD</sub> = 5V, and Electrical Characteristics: V<sub>DD</sub> = 15V</li> </ul>								
Chan	ged supply curren	t ( $I_{DD}$ ) typical value from 130µA to 275µA	in Electrical (	Characteristics: V	$_{DD} = 2V$ for			
		TLC5561						
<ul> <li>Added new reset current (I<sub>(reset)</sub>) typical specification, for test condition V<sub>RESET</sub> = 0V, to Electrical Characteristics: V<sub>DD</sub> = 5V and Electrical Characteristics: V<sub>DD</sub> = 15V</li> </ul>								
Chan	ged supply curren	t (I <sub>DD</sub> ) typical value from 340μA to 360μA	in Electrical	Characteristics: V	$DD = 5V \dots 6$			
Changed title of Operating Characteristics section to Switching Characteristics and clarified that values are								
<ul> <li>specified by design or characterization</li></ul>								
		ormation section and renamed to Astable						
		output driver duty cycle and output wavefor						
		Implementation section with pulse-width r			000000000000000000000000000000000000000			
modulation applications								
Added Designing for Improved ESD Performance section to Application Information								
		will be changing.	Ch					
Device		Change From: SLFS047B		ange To: FS047C				
	X		51	r3047C				
These changes may be reviewed at the datasheet links provided. http://www.ti.com/product/TLC556								
Reason	for Change:							
To accurately reflect device characteristics.								
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):								
Anticipated impact on the rorm, runction, quanty or Kenability (positive / negative):								

No anticipated impact.						
Changes to product identification resulting from this PCN:						
None.						
Product Affected:						
TLC556CD	TLC556CDG4	TLC556CN	TLC556ID			
TLC556IDG4	TLC556IDRG4	TLC556MD	TLC556MDG4			
TLC556MDR						
			I			

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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