PCN Number:	20240306005.1	**PCN Date:**	March 06, 2024
Title:	Datasheet for LMC555		
Customer Contact:	Change Management	**Dept:**	Quality Services
Proposed 1st Ship Date:	June 6, 2024		
Change Type:			

☐	Assembly Site	☐	Design	☐	Wafer Bump Site
☐	Assembly Process	☒	Data Sheet	☐	Wafer Bump Material
☐	Assembly Materials	☐	Part number change	☐	Wafer Bump Process
☐	Mechanical Specification	☐	Test Site	☐	Wafer Fab Site
☐	Packing/Shipping/Labeling	☐	Test Process	☐	Wafer Fab Materials
				☐	Wafer Fab Process

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification.
The product datasheet(s) is being updated as summarized below.

TEXAS INSTRUMENTS

LMC555
SNAS558N – JANUARY 2000 – REVISED MARCH 2024

Changes from Revision M (July 2016) to Revision N (March 2024) **Page**

- Updated the numbering format for tables, figures, and cross-references throughout the document 1
- Updated wording of *Features* bullets for clarity 1
- Updated GROUND and V+ pin types in *Pin Configuration and Functions* 3
- Changed V_{CC} to V+ in *Pin Configuration and Functions* 3
- Added (V+) to DISCHARGE description in *Pin Configuration and Functions* 3
- Updated $R_{\theta JA}$ and added detailed thermal characteristics for all packages in *Thermal Information* 4
- Moved timing accuracy, timing shift with supply, timing shift with temperature, astable frequency, maximum frequency, output rise and fall times, and trigger propagation delay parameters from *Electrical Characteristics* to *Switching Characteristics* 5
- Changed supply current (I_S) typical values from 50 µA to 130 µA at V_S = 1.5 V; from 100 µA to 180 µA at V_S = 1.5 V; and from 150 µA to 220 µA at V_S = 12 V, in *Electrical Characteristics* 5
- Changed supply current (I_S) max value from 150 µA to 200 µA at V_S = 1.5 V in *Electrical Characteristics* 5
- Changed reset current (I_{RES}) test condition to $V_{RES} = V_S$ in *Electrical Characteristics* 5
- Added new reset current (I_{RES}) typical value for test condition V_{RES} = 0 V to *Electrical Characteristics* 5
- Updated *Switching Characteristics* to clarify that values are specified by design, characterization, or both 5
- Changed units of timing shift with temperature from %V to %/V (typo) in *Switching Characteristics* 5
- Changed functional block diagram to simplified schematic and moved to *Overview* 7
- Updated *Functional Block Diagram* 7
- Changed values of R_A from 3.9 kΩ to 1.78 kΩ, and R_B and 9 kΩ to 4.12 kΩ in Figure 7-6 10
- Changed "LM555" to "LMC555" (typo) in *Typical Applications* 12
- Updated figure in *Layout Example* 17

The datasheet number will be changing.

Device Family	Change From:	Change To:
LMC555	SNAS558M	**SNAS558N**

These changes may be reviewed at the datasheet links provided.
http://www.ti.com/product/LMC555

Reason for Change:

This particular PCN is related to TI's multiyear transition plan for our two remaining factories with 150-millimeter production (DFAB in Dallas, Texas, and SFAB in Sherman, Texas). DFAB will remain open, but will focus on 200-mm production, with a smaller set of technologies. SFAB will close no earlier than 2024 and no later than 2025. As referenced in the "reason for change" below, these changes are part of our multiyear plan to transition these products to newer, more efficient manufacturing processes and technologies, underscoring our commitment to product longevity and supply continuity.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

Electrical specification performance changes as indicated above.

Changes to product identification resulting from this PCN:

None.

Product Affected:

LMC555CMM/NOPB	LMC555CMMX/NOPB	LMC555CMX/NOPB	LMC555CN/NOPB
LMC555CTP/NOPB	LMC555CTPX/NOPB	LMC555IMX/NOPB	

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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