Title: Datasheet for LMC608x, LMC66x, LMC603x, LMC648x, LMC649x Customer Contact: Change Management team Dept: Quality Services Change Type: Electrical Specification PCN Details Description of Change: Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details. MC6081, LMC6082, LMC6 SNOS630E - AUGUST 2000 - REVISED FEBRUARY	12, 202
Customer Contact: Change Management team Dept: Quality Services Change Type: Electrical Specification PCN Details Description of Change: exas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details. Image Transmission Change: EMC6081, LMC6082, LMC6081, LMC6082, LMC6081, LMC6081, LMC6082, LMC6081, LMC6081, LMC6081, LMC6081, LMC6081, LMC6082, LMC6081, LMC6	
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Changed parameter names to conform to new standards in <i>Electrical Characteristics</i> Changed input current noise density from 0.0002pA/vHz to 4fA/vHz to align with modern noise test setup	
Changed total harmonic distortion specification from 0.01% to 0.2% in <i>Electrical Characteristics</i>	
Added footnote detailing how slew rate minimum specification is specified in <i>Electrical Characteristics</i>	
Added Offset Voltage vs Input Common-Mode Voltage and Input Bias vs Common-Mode Voltage curves	
Updated section text and circuit topology diagram in Amplifier Topology	
Added instrumentation amplifier circuit with RES11A in Typical Single Supply Applications	16



LMC6032, LMC6034

SNOS609D - NOVEMBER 1994 - REVISED FEBRUARY 2024

Ch	anges from Revision C (March 2013) to Revision D (February 2024)	Page
•	Added LMC6034 and related information	1
•	Changed IQ from 400µA to 375µA to match Electrical Characteristics in Features	1
•	Changed high voltage gain from 12dB to 126dB (typo) in Features	1
•	Added low noise and deleted low distortion in Features	1
•	Added OPA928 higher-performance reference in Description	1
	Added Pin Configuration and Functions	2
•	Added Thermal Information	
	Changed parameter names to conform with new standards in Electrical Characteristics	
	Changed input current noise specification from 0.0002pA/vHz to 4fA/vHz in Electrical Characteristics	6
	Changed total harmonic distortion specification from 0.01% to 0.2% in Electrical Characteristics	6
	Updated conditions in the header of Typical Characteristics	
	Added input offset voltage vs common mode voltage and input bias current vs common mode voltage	
	Updated description and circuit topology diagram in Amplifier Topology	
•	Added new instrumentation amplifier circuit using the RES11A to Typical Applications	

Texas Instruments	LMC6482 LMC6484 SNOS674I – OCTOBER 1997 – REVISED FEBRUARY 202/
TEXAS INSTRUMENTS	LMC

Changes from Revision H (November 2023) to Revision I (February 2024)		
•	Added LMC6484 and associated content	.1
•	Updated content from previous LMC6484 data sheet (SNOS675D) as detailed in Changes from Revision G (April 2020) to Revision H (November 2023) of this data sheet (SNOS6741)	.1
•	Added values for LMC6482 and LMC6484 based on latest modeling standard to Thermal Information	5
•	Updated Electrical Characteristics format for LMC6484 and as detailed in Changes from Revision G (April 2020) to Revision H (November 2023) of this data sheet	6
•	Changed CMRR from 62dB to 60dB to match LMC6484 in Electrical Characteristics: V _S = 5V	6
•	Updated footnote (2) on how slew rate minimum value is specified in <i>Electrical Characteristics</i> : $V_S = 5V$ Changed THD from 0.01% to 0.02% in <i>Electrical Characteristics</i> : $V_S = 3V$	

-TEXAS INSTRUMENTS

LMC6492, LMC6494 SNOS724F - AUGUST 2000 - REVISED FEBRUARY 2024

С	hanges from Revision E (November 2023) to Revision F (February 2024)	Page
•	Added data to Thermal Information	4
•	Updated footnote (2) to detail how slew rate minimum value is specified in Electrical Characteristics	5

The datasheet number will be changing.

Device Family	Change From:	Change To:	
LMC608x	SNOS630D	SNOS630E	
	SNOS649C		
	SNOS657D		
LMC66x	SNOSBZ3D		
	SNOSC51C	SNOSC51D	
LMC603x	SNOS608C	SNOS609D	
	SNOS609C		
LMC648x	SNOS674H	SNOS674I	
	SNOS675D		
LMC649x	SNOS724E	SNOS724F	

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/LMC6081 http://www.ti.com/product/LMC660 http://www.ti.com/product/LMC6032 http://www.ti.com/product/LMC6482 http://www.ti.com/product/LMC6492

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):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device

Changes to product identification resulting from this PCN:

None.

Product Affected:

LMC6032IMX/NOPB	LMC6032IN/NOPB	LMC6034IMX/NOPB	LMC660AIMX/NOPB	
LMC660CMX/NOPB	LMC662AIMX/NOPB	LMC662AIN/NOPB	LMC662CMX/NOPB	
LMC662CN/NOPB	LMC6081-MDA	LMC6081AIMX/NOPB	LMC6081IMX/NOPB	
LMC6081IN/NOPB	LMC6082AIMX/NOPB	LMC6082AIN/NOPB	LMC6082IMX/NOPB	
LMC6082IN/NOPB	LMC6084AIMX/NOPB	LMC6084IMX/NOPB	LMC6482IMX/NOPB	
LMC6484IMX/NOPB	LMC6484IN/NOPB	LMC6482IMMX/NOPB	LMC6482IN/NOPB	
LMC6484AIN/NOPB	LMC6482AIN/NOPB	LMC6484AIMX/NOPB	LMC6482AIMX/NOPB	
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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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