Notification Number: 20200728004 Notification Date: Aug. 28, 2020

Title: Datasheet for LMK04821, LMK04826, LMK04828

Notification 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.



LMK04821, LMK04826, LMK04828

SNAS605AS - MARCH 2013-REVISED MAY 2020

Notification# 20200728004

С	Changes from Revision AR (December 2015) to Revision AS			
	Deleted references to "LMK0482xB" and replaced with device names	1		
	Updated Pin Configuration and Functions table with expanded descriptions	8		
	Changed mVpp to mV for 10-mA HSDS V _{OD} in Electrical Characteristics.	22		
	Added requirements for OSCout LVPECL emitter resistors to Detailed Description	30		
	Changed Overview to provide more detail.	30		
	Changed Three PLL1 Redundant Reference Inputs to provide more detail.	31		
	Changed Frequency Holdover wording for added clarity.	31		
	Moved VCO1 Divider (LMK04821 only) to within Internal VCOs.	31		
	Changed all instances of '0-delay' to 'zero-delay' and added reference to Multi-Clock Synchronization app note	33		
	Changed Figure 10 and Figure 11 to show OSCout_MUX, SYNC/SYSREF detail, and color	35		
	Changed Figure 13 to show distribution path reclocking, other FB_MUX targets.	38		
	Added SYSREF_DDLY_PD and DCLKoutX_DDLY_PD conditions for added power savings in SYNC/SYSREF	39		
	Added reference to Recommended Programming Sequence	40		
	Changed _CNTH/_CNTL register values to 0, representing delay value of 16, in Table 3.	43		
	Added timing alignment figure, alignment equations to SYSREF to Device Clock Alignment	4		
	Added LOS register requirements to Input Clock Switching - Automatic Mode	4		
	Merged redundant paragraph into Digital Lock Detect.	4		
	Added note clarifying PLL1 phase detector frequency effect on PLL1_WND_SIZE in Digital Lock Detect	4		
	Added holdover entry conditions and clarifications in Holdover.	48		
	Added Single-Loop Mode, Single-Loop Mode With External VCO, Distribution Mode to Device Functional Modes.	5		

•	Added RESET Pin to Recommended Programming Sequence							
•	Changed CLKoutX_Y_ODL, CLKoutX_Y_IDL, DCLKoutX_DIV descriptions to add more detail							
•	Changed DCLKoutX_ADLY description in DCLKoutX_	DCLKout_MUX	64					
•	Changed SDCLKoutY_ADLY description in SDCLKoutY_ADLY_EN, SDCLKoutY_ADLY							
•	Added OSCout LVPECL format instructions in VCO_MUX, OSCout_MUX, OSCout_FMT							
•	Changed SYSREF_CLR description in SYSREF_CLR, SYNC_1SHOT_EN, SYNC_POL, SYNC_EN,							
	SYNC_PLL2_DLD, SYNC_PLL1_DLD, SYNC_MODE to add more detail							
•	Added time alongside frequency for LOS_TIMEOUT in Table 45							
•	Changed LOS_EN description to clarify requirements in Table 45							
•	Changed Table 53, Table 55, Table 56 register text from "N counter" to "R divider"							
•	Changed Table 57 maximum field value to match register size							
•	Changed Table 75 headers from Resistance to Capacitance.							
•	Changed Application Information to reference current TI tools.							
•	Changed all images in Driving CLKin and OSCin Inputs to include OSCin.							
•	Changed CLKinX_BUF_TYPE to CLKinX_TYPE in Driving CLKin and OSCin Pins With a Single-Ended Source							
•	Added Output Termination and Biasing section.							
•	Changed Typical Applications to reference up-to-date tools. Added System Everylee							
•	Added System Examples Added OSCout, LVDS/HSDS, and RESET pin recommendations to Do's and Don'ts.							
	Added OSCout, LVDS/HSDS, and RESET pin recommendations to Do's and Don'ts. Added Pin Connection Recommendations.							
	Deleted empty column in Table 87 and redirected to TICS Pro current calculator. Changed tools listed in Device Support							
_	- Changed tools listed in Device Support							
	datasheet number will be changing.	Character Francis	Chanas Tar					
Dev	vice Family	Change From:	Change To:					
LMI	K04821, LMK04826, LMK04828	SNAS605AR	SNAS605AS					
Thes	se changes may be reviewed at the datas	sheet links provided.						
http://www.ti.com/product/LMK04821								
Rea	son for Change:							
To accurately reflect device characteristics.								
10 a	ccurately reflect device characteristics.							
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For questions regarding this notice, e-mails can be sent to the contacts shown below or your local Field Sales Representative.

LMK04821NKDT

LMK04828BISQ/NOPB

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
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LMK04826BISQ/NOPB

LMK04828BISQE/NOPB

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Product Affected:
LMK04821NKDR

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