



Product Change Notification / BLAS-23PIRR195

Date:

31-Jan-2024

Product Category:

Network Synchronization

PCN Type:

Document Change

Notification Subject:

eSign# SPE0000005 Final Notice: Output Current Specification Change for ZL30174LDG6 catalog part number (CPN) available in 100L VQFN (10x10x0.85mm) package.

Affected CPNs:

[BLAS-23PIRR195_Affected_CPN_01312024.pdf](#)
[BLAS-23PIRR195_Affected_CPN_01312024.csv](#)

Notification Text:

PCN Status:Final Notification

PCN Type:Document Change

Microchip Parts Affected:Please open one of the files found in the Affected CPNs section.
Note: For your convenience Microchip includes identical files in two formats (.pdf and .xls)

Description of Change:Output Current Specification Change for ZL30174LDG6 catalog part number (CPN) available in 100L VQFN (10x10x0.85mm) package.

Pre and Post Change Summary:

Pre Change

Output Voltage Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
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HPOUT[3:0] high level ($V_{DDO} = 1.8V, I_{OH} = 3\text{ mA}$)	$V_{OH-HPOUT}$	$0.8 \times V_{DDO}$	—	—	V	See Figure 45 & Figure 47
HPOUT[3:0] low level ($V_{DDO} = 1.8V, I_{OL} = 3\text{ mA}$)	$V_{OL-HPOUT}$	—	—	$0.2 \times V_{DDO}$	V	
HPOUT[3:0] high level ($V_{DDO} = 2.5V, I_{OH} = 8\text{ mA}$)	$V_{OH-HPOUT}$	$0.8 \times V_{DDO}$	—	—	V	
HPOUT[3:0] low level ($V_{DDO} = 2.5V, I_{OL} = 8\text{ mA}$)	$V_{OL-HPOUT}$	—	—	$0.2 \times V_{DDO}$	V	
HPOUT[3:0] high level ($V_{DDO} = 3.3V, I_{OH} = 14\text{ mA}$)	$V_{OH-HPOUT}$	$0.8 \times V_{DDO}$	—	—	V	
HPOUT[3:0] low level ($V_{DDO} = 3.3V, I_{OL} = 14\text{ mA}$)	$V_{OL-HPOUT}$	—	—	$0.2 \times V_{DDO}$	V	

Post Change

Output Voltage Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
HPOUT[3:0] high level ($V_{DDO} = 1.8V, I_{OH} = 3\text{ mA}$)	$V_{OH-HPOUT}$	$0.8 \times V_{DDO}$	—	—	V	See Figure 10-1, Figure 10-3
HPOUT[3:0] low level ($V_{DDO} = 1.8V, I_{OL} = 3\text{ mA}$)	$V_{OL-HPOUT}$	—	—	$0.2 \times V_{DDO}$	V	
HPOUT[3:0] high level ($V_{DDO} = 2.5V, I_{OH} = 8\text{ mA}$)	$V_{OH-HPOUT}$	$0.8 \times V_{DDO}$	—	—	V	
HPOUT[3:0] low level ($V_{DDO} = 2.5V, I_{OL} = 8\text{ mA}$)	$V_{OL-HPOUT}$	—	—	$0.2 \times V_{DDO}$	V	
HPOUT[3:0] high level ($V_{DDO} = 3.3V, I_{OH} = 14\text{ mA}$)	$V_{OH-HPOUT}$	$0.8 \times V_{DDO}$	—	—	V	
HPOUT[3:0] low level ($V_{DDO} = 3.3V, I_{OL} = 14\text{ mA}$)	$V_{OL-HPOUT}$	—	—	$0.2 \times V_{DDO}$	V	
HPOUT[11:4] high level ($V_{DDO} = 1.8V, I_{OH} = 5\text{ mA}$)	$V_{OH-HPOUT}$	$0.8 \times V_{DDO}$	—	—	V	See Figure 10-1, Figure 10-3
HPOUT[11:4] low level ($V_{DDO} = 1.8V, I_{OL} = 5\text{ mA}$)	$V_{OL-HPOUT}$	—	—	$0.2 \times V_{DDO}$	V	
HPOUT[11:4] high level ($V_{DDO} = 2.5V, I_{OH} = 12\text{ mA}$)	$V_{OH-HPOUT}$	$0.8 \times V_{DDO}$	—	—	V	
HPOUT[11:4] low level ($V_{DDO} = 2.5V, I_{OL} = 12\text{ mA}$)	$V_{OL-HPOUT}$	—	—	$0.2 \times V_{DDO}$	V	
HPOUT[11:4] high level ($V_{DDO} = 3.3V, I_{OH} = 21\text{ mA}$)	$V_{OH-HPOUT}$	$0.8 \times V_{DDO}$	—	—	V	
HPOUT[11:4] low level ($V_{DDO} = 3.3V, I_{OL} = 21\text{ mA}$)	$V_{OL-HPOUT}$	—	—	$0.2 \times V_{DDO}$	V	

Impacts to Data Sheet:Yes. **ZL30174 - Quad Channel Clock Translator.**

Change Impact:None

Reason for Change:To improve productivity by updating the output current specification.

Change Implementation Status:In Progress

Estimated First Ship Date:February 29, 2024 (date code: 2409)

Note: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Time Table Summary:

	January 2024					February 2024			
Workweek	01	02	03	04	05	06	07	08	09
Final PCN Issue Date					x				
Estimated Implementation Date									x

Method to Identify Change:Traceability code

Qualification Report:Not Applicable

Revision History:January 31, 2024: Issued final notification.

The change described in this PCN does not alter Microchip’s current regulatory compliance regarding the material content of the applicable products.

Attachments:

[ZL30174 - Quad Channel Clock_Translator.pdf](#)

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Affected Catalog Part Numbers (CPN)

ZL30174LDG6