PCN Number: 20191219		001				PCN Date: 03/18/2020			
Title: Pico DMDs Slotted Windo									
Customer Contact: dlp-pcn-team@list.ti.com						ept	t: DLP [®] Products CQE		
						Estimated Sa	_		
Pro	posed 1 st Ship Da	te:	See ta	ble	below	Availability:		sample request	
Cha	nge Type:					·		· · · ·	
	Assembly Site				Design			Wafer Bump Site	
	Assembly Process			Data Sheet			Wafer Bump Material		
\square			Part number change			Wafer Bump Process			
	Mechanical Specification		Test Site			Wafer Fab Site			
Packing/Shipping/Labeling		Test Process			Wafer Fab Materials				
<u> </u>								Wafer Fab Process	
					PCN D	etails			
	cription of Chang								
								dow aperture on Pico DMDs.	
	new windows on th	ie Di	1Ds will	ha	ve a four-si	ded slotted aper	ture	2.	
кеа	son for Change:								
The	reason for this cha	nge i	s to im	oro	ve manufac	turability.			
Ant	icipated impact o	n Fit	, Form	, Fi	unction, Q	uality or Reliab	ility	y (positive / negative):	
	re is no expected ch			-	· · · · · · · · · · · · · · · · · · ·	, quality or relial	oility	у.	
Ant	icipated impact o								
	No Impact to the							tent reports are driven	
	Material Declaration	Material Declaration from production data and will be available following the production release. Upon production release the revised							
				•		e obtained at the site link below			
			<u> </u>	<u></u>	o://www.ti.com/quality/docs/materialcontentsearch.tsp				
Cha	nges to product i	dent	tificatio	on i	r <mark>esulting</mark> f	rom this PCN:			
	Physical part marki								
								ed to the new window with	
								ID. This is a representation	
	of what the new windows will look like for the DMDs addressed in this PCN.								
FROM (no slots): TO (four-sided slotted aperture):									
There are no slots around the aperture of the The arrow points to the four-sided slotted									
	ent window.	na u	ie apen	ure		aperture on the new window.			

Products Affected:

Please note that customers may receive both the current window and the four-sided slotted aperture window DMDs after the Earliest Production Ship Date as shown in the table below.

Device Name	Orderable Part Number	Replacement Code	Estimated Sample Availability Date	Earliest Production Ship Date
0.2 WVGA S244	DLP2010AFQJ	Q	December 19, 2019	April 20, 2020
0.23 qHD S246	DLP230GPAFQP	Q	February 2020	April 20, 2020
0.23 HD S246	DLP230KPAFQP	Q	February 2020	April 20, 2020
0.23 1080p S246	DLP230NPAFQP	Q	February 2020	April 20, 2020
0.3 720p S245	DLP3010AFQK	Q	February 2020	April 20, 2020
0.33 1080p S315	DLP3310AFQM	Q	February 2020	April 20, 2020

	Qualification Data						
This qualification has been develope validates that the proposed change							
Qual Vehicle: 0.2 WVGA S244							
Qualification: Plan I Test Results							
Test	Conditions	Sample Size	Results				
A. Life Test: *							
Nominal Operating Life w/o Precondition	70°C, 670hr or equivalent	40	PASS				
Preconditioning + Nominal Operating Life:							
(a) Precondition	UBH 110°C/85%RH, 500hr	40	PASS				
(b) Nominal Operating Life	70°C, 670hr or equivalent						
B. Environmental Tests: *							
Temperature Cycling	0°C/+100°C 1000cycles	40	PASS				
C. Inspection Tests:							
Window Pull		10	PASS				
D. Others:							
Image Quality		30	PASS				
* Any conditions beyond the Rec Datasheet are run at accelerated		ons listed in the	9				

For questions regarding this notice, e-mails can be sent to the contacts shown below or your local Field Sales Representative.

Location	E-Mail
DLP [®] PCN Team	dlp-pcn-team@list.ti.com
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Asia Pacific	PCNAsiaContact@list.ti.com
WW PCN Team	PCN ww admin team@list.ti.com

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