



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN# 20150630000
.47 1080p Miho Fab Transfer
Final Change Notification**

Date: 9/15/2015
To: MOUSER PCN

Dear Customer:

This is a final announcement of change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

The changes discussed within this PCN will not take effect any earlier than **30** days from the date of this notification, unless customer agreement has been reached on an earlier implementation of the change. Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Manager (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN Team
SC Business Services

20150630000
Final Change Notification
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE
DLP4710FQL

CUSTOMER PART NUMBER
null

Technical details of this Product Change follow on the next page(s).

PCN Number:	20150630000		PCN Date:	09/15/2015	
Title:	.47 1080p Miho Fab Transfer				
Customer Contact:	Dlp-pcn-team@list.ti.com		Dept:	DLP® Products CQE	
Proposed 1st Ship Date:	09/29/2015		Estimated Sample Availability:	07/10/2015	
Change Type:					
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input checked="" type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Materials
		<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process
PCN Details					
Description of Change:					
This change is to add TI Miho fab as second source CMOS supplier for .47 1080p TRP DMD's.					
Reason for Change:					
The change is to qualify a second source factory for .47 1080p DMDs. Second source provides supply assurance in case of capacity constraints.					
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):					
None					
Changes to product identification resulting from this PCN:					
Current package marking					
Chip site code (20L)		Chip country code (21L)			
DM5		USA			
New package marking (either option)					
Chip site code (20L)		Chip country code (21L)			
MH8		JPN			
DM5		USA			
Product Affected:					
1019-503BM, DLP4710FQL					

Qualification Plan

This qualification has been developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

Qualification Schedule:	Start:	07/10/2015	End:	09/09/2015
Test	Conditions	Read Points	Required Minimum Sample Size (total # divided by three lots)	Results
A. Life Test: *				
High Temp Operating Life	95°C, 500hr or equivalent	500 hours	40	Pass
Nominal Operating Life w/o Precondition	70°C, 670hr or equivalent	500 hours	40	QBS ⁽¹⁾
Preconditioning + Nominal Operating Life:				
(a) Precondition	UBH 110°C/85%RH, 500hr	500 hours	40	QBS ⁽¹⁾
(b) Nominal Operating Life	70°C, 670hr or equivalent	500 hours		
Low Temp Operating Life	-10°C, 500hr or equivalent	500 hours	40	QBS ⁽¹⁾
Projector Life w/o Precondition	Ambient Temperature, 1000hr or equivalent	1000 hours	9	QBS ⁽²⁾
Preconditioning + Projector Life				
(a) Precondition	UBH 110°C/85%RH, 500hr	500 hours	9	QBS ⁽¹⁾
(b) Projector Life	Ambient Temperature, 500hr or equivalent	500 hours		
B. Environmental Tests: *				
High Temp Storage Life	125°C, 500hr or equivalent	500 hours	30	Pass
Temperature Cycling	0°C/+100°C 1000cycles	1000 cycles	77	QBS ⁽¹⁾
Unbiased HAST	UBH 110°C/85%RH, 500hr	500 hours	27	Pass
ESD	RT, HBM per Data Sheet	per Data Sheet	9	Pass
Latch Up	RT	+/-100mA	9	Pass
Mechanical Stress Sequence				
(a) Electrical Test				
(b) Mechanical Shock	1500g, 0.5ms, 6axis, 5 pulses		32	QBS ⁽¹⁾
(c) Vibration	20g, 20-2000Hz, All planes (x, y, z)			
(d) Acceleration	10Kg, Y1 plane only			
(e) Electrical Test				

Thermal Stress Sequence		32	QBS ⁽¹⁾
(a) Electrical Test			
(b) Thermal Shock	0°C/+100°C, 15 cycles		
(c) Temp. Cycle	0°C/+100°C, 100 cycles		
(d) Moisture Resistance	10 days		
(e) Electrical Test			
C. Inspection Tests:			
Physical Dimensions		10	Pass
Internal Water Vapor		10	Pass
Window Pull		10	QBS ⁽¹⁾
Bond Strength		9	Pass
D. Others:			
Image Quality		30	Pass
Optical Performance		30	Pass
* Any conditions beyond the Recommended Operating Conditions listed in the Datasheet are run at accelerated test conditions.			
⁽¹⁾ Note: QBSed to the .47 1080p subLVDS MTRP S312 New Device Qualification			
⁽²⁾ Note: QBSed to the .3 720p subLVDS MTRP S245 New Device Qualification			

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

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com