

PCN Number:	20150303001			PCN Date:	03/09/2015
Title:	.3 720p Miho Fab Transfer				
Customer Contact:	PCN Manager	Dept:	Quality Services		
Proposed 1st Ship Date:	06/09/2015	Estimated Sample Availability:	03/09/2015		
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 factory for .3 720p TRP DMD's.					
Reason for Change:					
The change is to qualify a second source factory for .3 720p DMDs. Second source provides supply assurance in case of capacity constraints.					
Anticipated impact on Form, Fit, 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:					
7212-313BK, DLP3010FQK					

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:	Feb, 2015	End:	March, 2015
Test	Conditions	Read Points	Required Minimum Sample Size (total # divided by three lots)	Results
A. Life Test:				
Combo Pattern	95°C	500 hours	40	
Reliability Life (5/95 duty cycle)	75°C	500 hours	40	
Preconditioning + Reliability Life:				
(a) Unbiased Humidity	UBH 110°C/85%RH	500 hours	40	
(b) Reliability Life (5/95 duty cycle)	75°C	500 hours		
Stiction Life (50/50 duty cycle)	-10°C	500 hours	40	

Projector Life	Projector, All Black, Ambient Temperature	1000 hours	9	
Preconditioning + Projector Life			9	
(a) Unbiased Humidity	UBH 110°C/85%RH	500 hours		
(b) Projector Life	Projector, All Black, Ambient Temperature	500 hours		
B. Environmental Tests:				
Storage Life	125°C	500 hours	30	
Temperature Cycling	0°C/+100°C	1000 cycles	77	
Unbiased Humidity	UBH 110°C/85%RH	500 hours	27	
ESD (per Data Sheet)	HBM	(per Data Sheet)	9	
Latch Up	25°C	+/-100mA	9	
Mechanical Stress Sequence			32	
(a) Electrical Test				
(b) Mechanical Shock		1500g, 0.5ms, 6axis, 5 pulses		
(c) Vibration		20g, 20-2000Hz, All planes (x, y, z)		
(d) Acceleration		10Kg, Y1 plane only		
(e) Electrical Test				
Thermal Stress Sequence			32	
(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	
Internal Water Vapor			10	
Window Pull			10	
Bond Strength			9	
D. Others:				
Image Quality			30	
Optical Performance			30	

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
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