

PCN Number: PCN-2016-69

### PCN Notification Date: 01/09/2017

## Final PCN

WM9081GICN/[R]V Assembly and Test Transfer

Dear Customer,

This notification is to advise you of the following change(s).

WM9081GICN/[R]V assembly is being transferred from Unisem Malaysia to ASE Chungli and for test from Unisem Malaysia to Amkor Taiwan.

If you have any questions, please contact your Sales Representative.

Sincerely,

Quality Systems Administrator Cirrus Logic Corporate Quality Phone: +1(512) 851-4000



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#### **Products Affected:**

The devices listed on this page are 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.

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

Title: WM9081GICN/[		[R]V Assembly and Test Transfer							
Customer Contact: Local Field Sales			s Representative PI		Phone: (512) 851-4000		Dept: Corp		orate Quality
Proposed 1 <sup>st</sup> Ship Date:			Estir 2017	mated Q2 7	Estimated Sample Availability Date: Now			Now	
Change Type:									
х	Assembly Site		Х	Assembly I	Process	х	Assembly Materials		
	Wafer Fab Site			Wafer Fab Process			Wafer Fab Materials		
Wafer Bump Site			Wafer Bump Process			Wafer Bump Material			
x Test Site			Test Process			Design			
Electrical Specification			Mechanical Specification			Part Number			
x Packing/Shipping/Labeling			Other						
Con	Comments:								

### **PCN Details**

#### Description of Change:

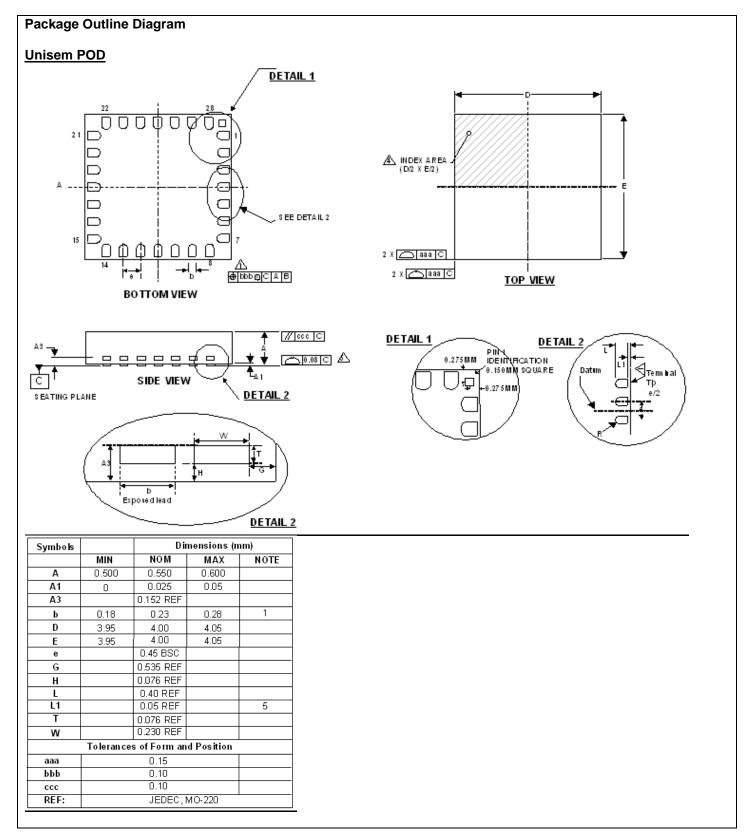
- Assembly will move from Unisem Malaysia to ASE Chungli, and to Amkor Taiwan for test
- MSL level will remain the same: MSL 3
- Package quantity in Reel will remain the same : 3.5k
- Marking will change, and logo will be removed, details below
- Minor changes in Package Outline Diagram (POD)
  - These will have no significant impact on footprint
- Key Changes for new Site:

	CURRENT	NEW		
Assembly Location	Unisem Malaysia	ASE Chungli		
Test Location	Unisem Malaysia	Amkor Taiwan		
Die attach	Henkel 8006NS(Print)	Ablestik / ATB-125(Film)		
Bondwire	1 mil Au	Nippon / EX1 (1 mil Cu-Pd)		
Mould compound	Sumitomo / EME-G770HCD	Sumitomo / EME-G631		
Mark Code	WPF	TSV		
Package Outline Diagram	Refer to POD below	Refer to POD below		



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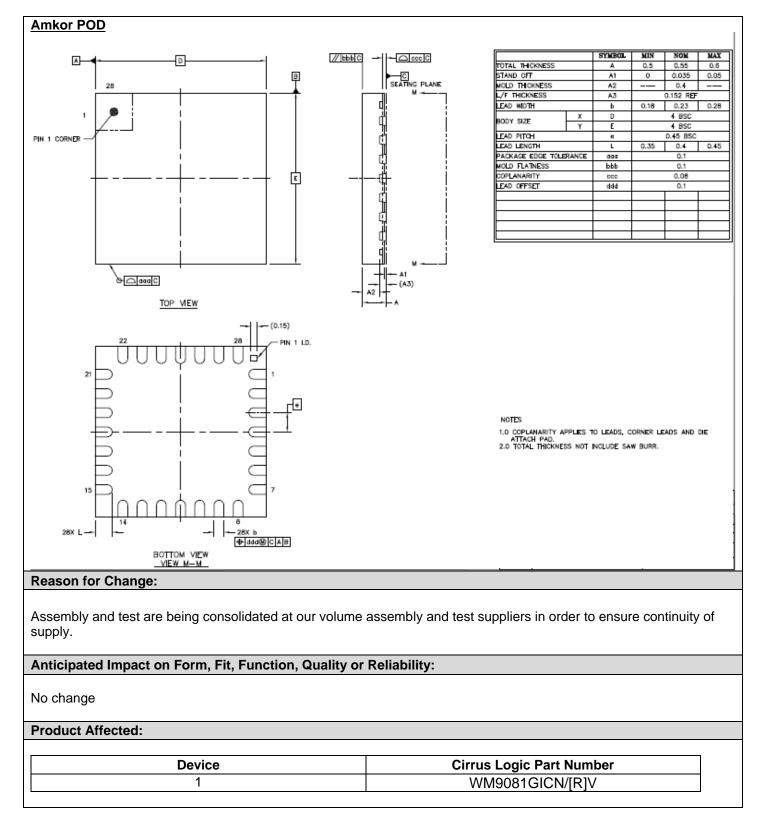


Cirrus Logic | 800 W. 6th St., Austin, TX 78701 | 512-851-4000



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anges To Product Identification Resulting F	rom This PCN:	
CURRENT MARKING	NEW MARKING	
WM9081G YMTTWPF	WM9081G YMTTTSV ●	

### **Qualification Data:**

This qualification has been specifically developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.							
Qualification Complete	Oct 2016	Status :	PASSED				



Reliability Report Report:Project ID 2059-0Date:16-November-2016Approved by:Russell McMillan

Purpose					Status					
Qualification of WM9081GICN, MagnaChip G			GF3, ASE Chungli	Qualification successful						
WM90	081GICN									
Fab: MagnaChip, GF3		Assembly:	Unisem (M) Berhad	Rev:	А	Package:	COL QFN28	8		
Stress Name		Method	Conditions	Lot		Read Poir	nt Results (Fail/Samp			
HTOL (High Temperature Op Life)		JESD22-A108	3 125°C / Dynamic Bias / VDDmax		1	1000 Hou	rs 0 / 77			
ESD HBM (Human Body Model)		JESD22-A114	4 25°C	1		2000 Vol	ts 0/3			
ESD CDM (Charged Device Model)		JESD22-C10	1 25°C	1		500 Vol	lts 0/3			
Latch-Up Over Voltage (VDD)		JESD78	85°C	1		1.5xVDDma	ax 0/3			
Latch-Up Current Injection (I/O)		JESD78	85°C		1	+/- 100 m	nA 0/3			



### WM9081GICN

Fab:	MagnaChip, GF3	Assembly:	ASE, Chungli	Rev:	А	Package:	COL QFN28
Stres	s Name	Method	Conditions		Lot	Read Po	int Results (Fail/Sample)
Preco	ondition	JESD22-A113	24HR 125°C Bake 192HR 30°C/60%RH Soak 3 pass 260°C peak reflow		1	Precon MS	L3 0 / 154
THB (Tem	perature Humidity Bias)	JESD22-A101	85°C / 85%RH / VDDmax Post Precondition		1	1000 Hou	urs 0 / 77
Temp	perature Cycle	JESD22-A104	-65 °C / +150 °C / air to air Post Precondition		1	500 Cycl	es 0 / 77
HTSL (High	Temperature Storage Life)	JESD22-A103	150°C		1	1000 Hou	ırs 0 / 77