

Title of Change:	Copper thick film elimination from Rhythm hybrid family products.			
Proposed first ship date:	August 2016			
Contact information:	Contact your local ON Semiconductor Sales Office.			
Samples:	Contact your local ON Semiconductor Sales Office or <brenda.johnston@onsemi.com></brenda.johnston@onsemi.com>			
Type of notification:	This is an Initial Product/Process Change Notification (IPCN) sent to customers. IPCNs are issued at least 30 days prior to the issuance of the Final Change Notice (FPCN). An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan.			
	The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact <pcn.support@onsemi.com>.</pcn.support@onsemi.com>			
Change Part Identification:	There is no change to the part identification. The part numbers will continue to be the same. Change tracking will be done based on work order number which will be communicated on request.			
Change category:	Wafer Fab Change Assembly Change Test Change Other <u>Hybrid Manufacturing</u>			
Change Sub-Category(s): Manufacturing Site Change/ Manufacturing Process Chan	Shipping/Packaging/Marking			
Sites Affected:	oplicable ON Semiconductor site(s) : External Foundry/Subcon site(s) ON Burlington, Canada			
Description and Purpose:				
	announces the replacement of copper thick film with Silver thick film for under-bump I/O metallization layer. In the Rhythm Hybrid Product family to our standard BOM design at the Burlington site.			
There's no change in form, fit, or t	function expected with this material change.			

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Qualification Plan:

Test	Specification	Test Vehicle	Condition	Interval	
Temperature cycle on FR4 carrier	JESD22-A104	SK3919-E1	Ta= -40°C to +85°C	100 сус	
Solderability – reflow application	Internal	SK3919-E1	Reflow solder simulation	N/A	
		E7110-102A33-AG			
		SA3291A-E1			
		R3910-CFAB-E1			
Solderability – hand solder application	Internal	R3910-CFAB-E1	Hand solder simulation	N/A	
Temperature humidity bias	JESD22-A101	SK3919-E1	85°C, 85% RH, 1.3V	288 hrs	
		E7110-102A33-AG			
		SA3291A-E1			
		R3910-CFAB-E1			
Part Number			Qualification Vehicle		
R3910-CFAB-E1B					
R3910-CFAB-E1T					
SA3400-E1-T					
SA3400-E1					
R3920-CFAB-E1T					
R3920-CFAB-E1B			R3910-CFAB-E1		
SB3229-E1					
SA3229-E1					
SA3229-E1-T					
SB3231-E1-T					
SB3231-E1					
	SB3230-E1-T				
	SB3230-E1-T SB3230-E1				