



Final Product/Process Change Notification

Document #: FPCN23483XD

Issue Date: 27 May 2022

Title of Change:	Additional SMC Subcontractor Assembly Site Qualification.		
Proposed First Ship date:	03 Sep 2022 or earlier if approved by customer		
Contact Information:	Contact your local onsemi Sales Office or Hoang.Nguyen@onsemi.com		
PCN Samples Contact:	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.		
Additional Reliability Data:	Contact your local onsemi Sales Office or MohdAzizi.Azman@onsemi.com		
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com		
Marking of Parts/ Traceability of Change:	Products from Good-ark will be marked with site code "g" prior to date code		
Change Category:	Assembly Change, Test Change		
Change Sub-Category(s):	Manufacturing Site Addition		
Sites Affected:			
onsemi Sites		External Foundry/Subcon Sites	
None		Good-Ark, China	
Description and Purpose:			
This Final Product Change Notification (FPCN) is to announce the qualification of Good-ark, China as an additional Assembly and Test site for SMC Ultrafast package products. The products in SMC package are currently being assembled and tested at onsemi Vietnam and onsemi Seremban, Malaysia. Upon expiration of this FPCN, these products can be processed at Good-Ark location using its Bill of Materials.			
	Before Change Description	After Change Description	
Assembly/Test Sites	onsemi Malaysia / onsemi Vietnam	onsemi Malaysia / onsemi Vietnam	Good-Ark China
Mold Compound	MC NITTO GE-200HH	MC NITTO GE-200HH	Sumikon EME-E220 Type H
Assembly Plant Code Marking	From (onsemi Vietnam, onsemi Malaysia)	To (Good-Ark China)	
SMC	VN, R	g	



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Reliability Data Summary:

QV DEVICE NAME: MURS360T3G

RMS: 82156

PACKAGE: SMC

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta=150°C, 100% max rated V	1008 hrs	0/231
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/231
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C max, Ton = Toff = 2min	15000 cyc	0/231
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/231
UHASt	JESD22-A118	85°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum 100V	1008 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/924
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/90
SD	JSTD002	Ta = 245°C, 10 sec		0/45

Electrical Characteristics Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.

Part Number	Qualification Vehicle
MURS360T3G	MURS360T3G
MURS340T3G	MURS360T3G
MURS320T3G	MURS360T3G