ON Semiconductor®



Title of Change:	Qualify Kenly as alternate soldering pin supplier for UGSI HPM package .					
Proposed first ship date:	13 May 2019					
Contact information:	Contact your local ON Semiconductor Sales Office or < <u>Sangmin.Chung@onsemi.com</u> >					
Samples:	Contact your local ON Semiconductor Sales Office or < <u>PCN.samples@onsemi.com</u> > 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.					
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or < <u>Choonbae.Park@onsemi.com</u> >					
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. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact < <u>PCN.Support@onsemi.com></u>					
Change Part Identification:	Product date code WW13 onwards or earlier upon cu	istomer approval				
Change Category:	☐ Wafer Fab Change					
Change Sub-Category(s): Manufacturing Site Ad Manufacturing Site Trans Manufacturing Process Sites Affected:	dition Nsfer Change ON Semiconductor Sites: None	 Datasheet/Product Doc change Shipping/Packaging/Marking Other: <u>Alternate pin supplier qualification</u> External Foundry/Subcon Sites: UNIVERSAL GLOBAL SCIENTIFIC IND. CO., LTD - UGSI (formerly ASE-NANTOLI) 				
Description and Purpose: This FPCN announces the qualification of alternate soldering pin supplier for HPM devices. The pins will be supplied to UNIVERSAL GLOBAL SCIENTIFIC IND. CO., LTD (formerly ASE-NANTOU) for PIM module production. Upon the expiration of this PCN, PIM modules production at UGS1 will use soldering pin from Unimet and Kenly for PIM module production. Products have been qualified to industrial requirements and meeting customer requirements.						
	Before Change Description	After Change Description				
Soldering pin supplier HPM devices	r for Soldering pin from Unimet	Soldering pin from Unimet and Kenly				
There is no product marking change as a result of this change.						



Reliability Data Summary:

QV DEVICE NAME : FPF2G75FH07A RMS: K54492 PACKAGE: F2 PIM module

Test	Specification	Condition	Interval	Result	comments
TC	JESD22-A104	- 40°C to 125°C, 100cyc	100 сус	0/33	
VVF	JESD22-B103	25-500Hz/15min, 10G, each 2 hours X, Y, Z	6 hrs	0/33	
THU	JESD22-A101	85C/85%RH no bias, 1008hrs	504 hrs 1008 hrs	On-going	Non-gate

Electrical Characteristic 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 <u>PCN Customized Portal</u>.

Part Number	Qualification Vehicle	
FPF2G120BF07AS		
FPF2G120BF07ASP		
FPF2G75FH07A		
FPF2G75FH07AP		
FPF2G75FH07BP		
FPF2G120BF07AS		

Appendix A: Changed Products

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Product	Customer Part Number	Qualification Vehicle
FPF2G120BF07AS		FPF2G75FH07A
FPF2G120BF07ASP		FPF2G75FH07A