



Title of Change:	Insource Assembly and Test operations of SPS foam type packaged products to On Semiconductor Vietnam (OSV).	
Proposed first ship date:	8 July 2018	
Contact information:	Contact your local ON Semiconductor Sales Office or <Lan.Vu@onsemi.com>	
Samples:	Contact your local ON Semiconductor Sales Office or <PCN.Samples@onsemi.com>	
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <Francis.Lualhati@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. 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 <PCN.Support@onsemi.com>.	
Change Part Identification:	Product from ON Semiconductor Vietnam (OSV) will be marked with site code "V" at first letter of lot code while the existing product is "T".	
Change category:	<input type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input checked="" type="checkbox"/> Test Change <input type="checkbox"/> Other _____	
Change Sub-Category(s):	<input checked="" type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change <input checked="" type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____	
Sites Affected:	ON Semiconductor Sites: ON Dong Nai Province, Vietnam	External Foundry/Subcon Sites: Smartrac; Hana; Metalcraft
Description and Purpose:		
This Final Notification announces the transfer of Assembly and Test of SPS foam type sensor from ON subcontractors (Smartrac; Hana; Metalcraft) to ON Semiconductor Vietnam (OSV). SPS foam sensors are currently being assembled and tested at ON subcontractors. Upon the expiration of this FPCN, SPS foam sensor can be processed at OSV location. ON Semiconductor Vietnam (OSV) is ISO TS16949 certified. Products sourced from OSV have been qualified to Industrial requirements and continue remain as Pb-free, Halide free and RoHS compliant.		



Reliability Data Summary:

QV DEVICE NAME: SPS1M001A-01

PACKAGE: RFTAG

Test	Specification	Condition	Interval	Result
HTOL	JESD22-A108	Temp= 85C Vcc = unbiased (RFID Tag)	1008 hrs	0/240
EDR/HTDR	JESD22-A105	TA = 125°C	1008 hrs	0/75
THU	JESD22-A118	TA= +85C, RH = 85%, Vcc = unbiased (RFID Tag)	200 hrs	0/75
HTSL	JESD22-A103	TA = 75°C	1008 hrs	0/75
TC	JESD22-A104	-20/+75 C	1000 cyc	0/75

Notes:

The RFID tags may have special test conditions due to the material limitations of the tags.
The RFID tags will be offered to Commercial customers with a 2 year shelf life use only.

Electrical Characteristic Summary:

Electrical characteristics are not impacted.

List of Affected Standard Parts:

Part Number	Qualification Vehicle
SPS1M001A-01	SPS1M001A-01
SPS1M001A-02	
SPS1M001A-03	
SPS1M001A-04	
SPS1M001A-05	
SPS1M001A-06	
SPS1M001A-07	
SPS1M001A-08	
SPS1M001A-09	
SPS1M001A-10	

Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle
SPS1M001A-01		SPS1M001A-01
SPS1M001A-02		SPS1M001A-01
SPS1M001A-03		SPS1M001A-01
SPS1M001A-04		SPS1M001A-01
SPS1M001A-05		SPS1M001A-01
SPS1M001A-06		SPS1M001A-01
SPS1M001A-07		SPS1M001A-01
SPS1M001A-08		SPS1M001A-01
SPS1M001A-09		SPS1M001A-01
SPS1M001A-10		SPS1M001A-01