



Title of Change:	Addition of Stars Microelectronics, Thailand as qualified assembly site for TVS8501V5MUT5G and ESD8501V5MUT5G in UDFN packages	
Proposed first ship date:	27 August 2015 or earlier upon customer approval	
Contact information:	Contact your local ON Semiconductor Sales Office or Eben Lim <eben.lim@onsemi.com>	
Samples:	Contact your local ON Semiconductor Sales Office	
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Laura Rivers <Laura.Rivers@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 approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact <PCN.Support@onsemi.com>.	
Change Part Identification:	1. Marking of the month date codes: Seremban Malaysia assembled devices: M Stars Microelectronics Thailand assembled devices: <u>W</u>	
Change category(s):	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Product specific change <input checked="" type="checkbox"/> Assembly Change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Test Change <input type="checkbox"/> Material Change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____	
Sites Affected:	<u>Site 1</u>	<u>Site 2</u>
<input type="checkbox"/> All site(s) <input type="checkbox"/> not applicable <input type="checkbox"/> ON Semiconductor site(s) : <input checked="" type="checkbox"/> External Foundry/Subcon site(s):	Stars Microelectronics Thailand	
Description and Purpose:		
<p>This is the final notification announcing that ON Semiconductor has qualified TVS8501V5MUT5G and ESD8501V5MUT5G for assembly at Stars Microelectronics factory located in the Thailand. This assembly site is ISO/TS16949:2009 certified and has already been qualified and utilized by ON Semiconductor.</p> <p>Reliability testing and full electrical characterization over temperatures were performed to ensure device functionality and electrical specifications are met.</p> <p>Upon expiration or approval of the FPCN, devices listed in this final PCN will have Stars Microelectronics added as an additional assembly site. The customer may receive devices assembled in our in-house Seremban, Malaysia assembly facilities or Stars Microelectronics.</p> <p>The location of the assembly sites can be identified by the marking of the date code. Please see below.</p>		
Reliability Data Summary:		
Qual Vehicle: TVS8501V5MUT5G / ESD8501V5MUT5G		
Qualification Results and Analysis:		
Test:	Conditions:	Interval: Results
HTRB	TA=150°C, 100% rated voltage	1008 hrs 0/240
TC-PC	Ta= -65 C to 150 C	1000 cyc 0/240
Conclusion: All reliability requirements have been met.		
Electrical Characteristic Summary: Electrical characteristics are not impacted		
List of affected Standard Parts:		
TVS8501V5MUT5G		
ESD8501V5MUT5G		