



Initial Product/Process Change Notification

Document #: IPCN22839X

Issue Date: 27 Nov 2019

Title of Change:	TO3P5L 1.5mil gold wire conversion to 1.5mil copper wire		
Proposed First Ship date:	27 May 2020 or earlier if approved by customer		
Contact Information:	Contact your local ON Semiconductor Sales Office or Daisy.Zhi@onsemi.com		
PCN Samples Contact:	Contact your local ON Semiconductor Sales Office or <PCN.samples@onsemi.com>. 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.		
Type of Notification:	This is an Initial Product/Process Change Notification (IPCN) sent to customers. 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>		
Marking of Parts/ Traceability of Change:	No update marking of parts and traceability of date code		
Change Category:	Assembly Change		
Change Sub-Category(s):	Material Change		
Sites Affected:			
ON Semiconductor Sites		External Foundry/Subcon Sites	
ON Semiconductor Suzhou, China		None	
Description and Purpose:			
TO3P5L bonding wire material conversion form 1.5mil gold wire to 1.5mil copper wire.			
	Before Change Description	After Change Description	
Bond Wire	1.5mil gold wire	1.5mil copper wire	
There is no product marking change as a result of this change			
Qualification Plan:			
QV DEICE NAME: FS7M0880TU			
PACKAGE: TO3P			
REL TEST RMS: U54521/ U56297			
Test	Specification	Condition	Interval
HTOL	TA=125C JA108	TA = 145°C for 504 hours	1008 hrs
HTSL	JESD22-A103	150°C for 1008 hours	2016 hrs
TC	JESD22-A104	-65/+150 C	2000 cyc
HAST	JESD22-A110	TA= +110C, RH = 85%, PSIG= 18.8, bias	528 hrs
RSH	JESD22-B106	260 C Immersion	



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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
FS7M0880TU	FS7M0880TU
FS7M0880YDTU	FS7M0880TU