



Initial Product/Process Change Notification

Document #: IPCN25566X

Issue Date: 16 Aug 2023

Title of Change:	Transfer of Assembly and Test operations of the selected TO3PF IGBT parts, outsource from onsemi Suzhou to Good-Ark China	
Proposed First Ship date:	30 Jun 2024 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Charles.Jiang@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.	
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:	The traceability of marking will be maintained by assembly plant code, lot code and date code	
Change Category:	Test Change, Assembly Change	
Change Sub-Category(s):	Material Change, Manufacturing Site Transfer	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	Good-Ark, China	
Description and Purpose:		
This IPCN is to inform the qualification of new assembly and test site of selected TO3PF IGBT products to Good-Ark, China for site transfer.		
For assembly changes:		
	From	To
Assembly & Final Test Sites	onsemi Suzhou	Good-Ark, China
Die Attach	PB93.5SN5AG1.5	PB92.5SN5AG2.5
Mold Compound	KTMC-3090FP	KTMC-3097GR
	From	To
Product marking change	Existing Line 1: Internal traceability Line 2 & Line 3: device marking	Corporate marking style Line 1 & Line 2: device marking Line 3: Internal traceability (AYWWZZ)



Initial Product/Process Change Notification

Document #: IPCN25566X

Issue Date: 16 Aug 2023

Qualification Plan:

QV DEVICE NAME: FGAF40N60SMD

PACKAGE: TO-3PF

Test	Specification	Condition	Interval
HTRB	JESD22-A108	Ta=175°C, 100% max rated V	1008hrs
HTGB	JESD22-A108	Ta=175°C, 100% max rated Vgss	1008hrs
HTSL	JESD22-A103	Ta= 175°C	1008hrs
TC	JESD22-A104	Ta= -55°C to +150°C	1000cyc
H3TRB	JESD22 A110	85°C, 85% RH, 100V	1008hrs
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96hrs
RSH	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only	
SD	JSTD002	Ta = 245°C, 5 sec	
LI	JESD22-B105		

Estimated date for qualification completion: 8 March 2024

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
FGAF40N60UFTU	FGAF40N60SMD
FGAF40N60SMD	FGAF40N60SMD