



## Final Product/Process Change Notification

Document #:FPCN25061XC

Issue Date:18 Dec 2023

<b>Title of Change:</b>	TO220F-Assembly and Test transfer from onsemi Suzhou (ONSZ) to Suzhou Good-Ark Electronics Co., Ltd., China
<b>Proposed First Ship date:</b>	01 Apr 2024 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:khairil.fk@onsemi.com">khairil.fk@onsemi.com</a>
<b>PCN Samples Contact:</b>	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.
<b>Additional Reliability Data:</b>	Contact your local onsemi Sales Office or <a href="mailto:Horchner.Huo@onsemi.com">Horchner.Huo@onsemi.com</a>
<b>Type of Notification:</b>	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>
<b>Marking of Parts/ Traceability of Change:</b>	The traceability of marking will be maintained by assembly plant code , date code and lot code.
<b>Change Category:</b>	Assembly Change, Test Change
<b>Change Sub-Category(s):</b>	Manufacturing Site Transfer
<b>Sites Affected:</b>	
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>
None	Good-Ark, China

### Description and Purpose:

This Product Change Notification is to announce qualification of TO220F assembly and test sites at Good-Ark, China.

There are no changes in product electrical performances and specifications.

The traceability of marking will be maintained by assembly plant code, date code and lot code.

	Before Change Description	After Change Description
Assembly Site	onsemi Suzhou (ONSZ)	Suzhou Good-Ark
Test Site	onsemi Suzhou (ONSZ)	Suzhou Good-Ark
Die attach	PB93.5SN5AG1.5	PB92.5SN5AG2.5

	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)

**\*Note:** This information is generic. Please refer to product data sheet for actual marking



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### Reliability Data Summary:

QV DEVICE NAME: FJPF13009H1TU

RMS: U86602, U92060

PACKAGE: TO220F

Test	Specification	Condition	Interval	Result
High Temperature Reverse Bias	JESD22-A108	Ta=150°C, 80% max rated V	1008 hrs	0/77
High Temperature Storage Life	JESD22-A103	Ta=150°C	1008 hrs	0/77
Temperature Cycling	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/77
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/77
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
Resistance to Solder Heat	JESD22- B106	Ta = 268°C, 10 sec Required for through hole devices only	end points	0/30
Solderability	JSTD002	Ta = 245°C, 5 sec	end points	0/15
Lead integrity	JESD22-B105	Lead Tension test for 10pcs units. Lead Bending test for 10pcs units. Lead Fatigue test for 10pcs units.	end points	0/30

### Electrical Characteristics 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 [PCN Customized Portal](#).

Part Number	Qualification Vehicle
BUT11AFTU	FJPF13009H1TU
FJPF5021OTU	FJPF13009H1TU
FJPF5027OTU	FJPF13009H1TU
FJPF13007H2TU	FJPF13009H1TU
KSB1366GTU	FJPF13009H1TU
KSD1588YTU	FJPF13009H1TU
KSD2012GTU	FJPF13009H1TU
KSB1015YTU	FJPF13009H1TU