



## Final Product/Process Change Notification

Document #:FPCN24725X1

Issue Date:28 Jul 2022

<b>Title of Change:</b>	Update to FPCN24725X-Aligning the PCN timeline policy with the previous announced Assembly and Test Transfer of FJP13009H2TU and FJP13007H2TU from onsemi Suzhou to SHEDCL	
<b>Proposed First Ship date:</b>	04 Oct 2022 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:NurulAliaFatin.Redzoan@onsemi.com">NurulAliaFatin.Redzoan@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:Frank.Tuan@onsemi.com">Frank.Tuan@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>	Affected products will be identified by date code	
<b>Change Category:</b>	Test Change, Assembly Change	
<b>Change Sub-Category(s):</b>	Manufacturing Site Transfer	
<b>Sites Affected:</b>		
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>	
onsemi Suzhou, China	SHANTOU HUASHAN Electronic Devices Co., Ltd., China	
<b>Description and Purpose:</b>		
<p>This notice is a re-issuance of FPCN24725X to correct the "Proposed First Ship Date", conform to the J-STD-46 standard. FPCN24725X was initially proposed in 28 Nov 2022 with details below:</p> <p>This Notification announces to customers of its plans to Transfer Assembly and Test operations of FJP13009H2TU and FJP13007H2TU from onsemi Suzhou, China to Shantou Huashan Electronic Devices Co., Ltd., China (SHEDCL).</p> <p>Products listed in this notification will continue to be Pb-free, Halide free and RoHS compliant.</p> <p>All other aspects of the impacted products (form, fit, function) will remain unchanged.</p>		
	<b>From</b>	<b>To</b>
Assembly & FT Site	onsemi Suzhou, China	Shantou Huashan Electronic Devices Co., Ltd., China (SHEDCL)



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## Reliability Data Summary:

QV DEVICE NAME: KSC5338D (PTI: FD)

RMS: U59923, O62949

PACKAGE: TO220 3L AL SNGL PBF STD

Test	Specification	Condition	Interval	Results
EV	JEDS22 B101	External Visual, Device construction, marking, and workmanship		0/77
HTRB	JESD22-A108	Ta = 150°C, 80% rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 150°C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta = +25°C, delta Tj=100°C On/off = 3.5 min	8572 cyc	0/77
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/77
uHAST	JESD22-A118	Ta = 130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
H3TRB	JEDS22 A101	Ta = 85°C, 85% RH, V=80% rated V	1008 hrs	0/77
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15
PD	JESD22 B100	Per POD / Case Outline, Verify physical dimensions to specifications	0 hr	0/30
SAT	JESD22-A104, Appendix 6 J-STD-035		0 hr	0/25
DPA	AEC Q101-004 Section 4	Following TC	1008 hrs	0/2
DPA	AEC Q101-004 Section 4	Following HTRB	1008 hrs	0/2
DPA	AEC Q101-004 Section 4	Following HAST	1008 hrs	0/2

## 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
FJP13009H2TU	KSC5338D
FJP13007H2TU	KSC5338D