



## Final Product/Process Change Notification

Document #:FPCN24725X

Issue Date:29 Jun 2022

|   |  |  |
|---|--|--|
| <b>Title of Change:</b>   | Assembly and Test Transfer of FJP13009H2TU and FJP13007H2TU from onsemi Suzhou to SHEDCL   |  |
| <b>Proposed First Ship date:</b>  | 28 Nov 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.<br>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.<br>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.<br>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>   | 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  | SHANTOU HUASHAN Electronic Devices Co., Ltd., China  |  |
| <b>Description and Purpose:</b>   |  |  |
| <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) |



## Final Product/Process Change Notification

Document #:FPCN24725X

Issue Date:29 Jun 2022

### 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)<br>AEC-Q101      | Ta = +25°C, delta Tj=100°C<br>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 | JESD22 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,<br>Verify physical dimensions to specifications | 0 hr     | 0/30    |
| SAT   | JESD22-A104, Appendix 6<br>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              |