



## Final Product/Process Change Notification

Document #:FPCN26572X

Issue Date:16 Jul 2026

|                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                  |                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| <b>Title of Change:</b>                                                                                                                                                                                                                                     | FRD Gen7 second source in CZ4                                                                                                                                                                                                                                                                                                                                    |                                                               |
| <b>Proposed First Ship date:</b>                                                                                                                                                                                                                            | 23 Oct 2026 or earlier if approved by customer                                                                                                                                                                                                                                                                                                                   |                                                               |
| <b>Contact Information:</b>                                                                                                                                                                                                                                 | Contact your local onsemi Sales Office                                                                                                                                                                                                                                                                                                                           |                                                               |
| <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                                                                                                                                                                                                                                                                                                                           |                                                               |
| <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>                                                                                                                                                                                                            | Changed material can be identified by lot code.                                                                                                                                                                                                                                                                                                                  |                                                               |
| <b>Change Category:</b>                                                                                                                                                                                                                                     | Wafer Fab Change                                                                                                                                                                                                                                                                                                                                                 |                                                               |
| <b>Change Sub-Category(s):</b>                                                                                                                                                                                                                              | Manufacturing Site Addition                                                                                                                                                                                                                                                                                                                                      |                                                               |
| <b>Sites Affected:</b>                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                  |                                                               |
| <b>onsemi Sites</b>                                                                                                                                                                                                                                         | <b>External Foundry/Subcon Sites</b>                                                                                                                                                                                                                                                                                                                             |                                                               |
| onsemi Roznov, Czech Republic                                                                                                                                                                                                                               | None                                                                                                                                                                                                                                                                                                                                                             |                                                               |
| <b>Description and Purpose:</b>                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                  |                                                               |
| onsemi wishes to inform customers that the onsemi Roznov, Czech Republic facility has been qualified as an additional wafer fabrication site for TO247 products. There are no changes to the assembly and test materials as a result of this qualification. |                                                                                                                                                                                                                                                                                                                                                                  |                                                               |
|                                                                                                                                                                                                                                                             | <b>From</b>                                                                                                                                                                                                                                                                                                                                                      | <b>To</b>                                                     |
| <b>Fab Site</b>                                                                                                                                                                                                                                             | onsemi Bucheon, Korea                                                                                                                                                                                                                                                                                                                                            | onsemi Bucheon, Korea<br><b>onsemi Roznov, Czech Republic</b> |
| There is no product marking change as a result of this change.                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                  |                                                               |



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### Reliability Data Summary:

**QV DEVICE NAME:** FGY100T120SWD

**RMS:** V99712 / U102924 / U104182

**PACKAGE:** TO-247

| Test                                    | Specification                      | Condition                                  | Interval | Result |
|-----------------------------------------|------------------------------------|--------------------------------------------|----------|--------|
| High Temperature Reverse Bias           | JESD22-A108                        | Tj= 175°C, 100% max rated BV               | 1008 hrs | 0/231  |
| High Temperature Storage Life           | JESD22-A103                        | Ta= 175°C                                  | 1008 hrs | 0/231  |
| Intermittent Operating Life             | MIL-STD-750<br>(M1037)<br>AEC-Q101 | Ta=+25°C, delta Tj=100°C<br>On/off = 5 min | 6000 cyc | 0/231  |
| Temperature Cycling                     | JESD22-A104                        | Ta= -55°C to +150°C                        | 1000 cyc | 0/231  |
| High Humidity High Temp<br>Reverse Bias | JESD22-A101                        | Ta = 85°C, 85% RH, 100V                    | 1008 hrs | 0/231  |
| Unbiased Highly Accelerated Stress Test | JESD22-A118                        | 130°C, 85% RH, 18.8psig, unbiased          | 96 hrs   | 0/231  |
| Resistance to Solder Heat               | JESD22- B106                       | Ta = 265°C, 10 sec                         | -        | 0/30   |

\*Results are only for FRD Dies

**QV DEVICE NAME:** FGY4L100T120SWD

**RMS:** S103445 / U104181 / V99674

**PACKAGE:** TO-247

| Test                                    | Specification | Condition                         | Interval | Result |
|-----------------------------------------|---------------|-----------------------------------|----------|--------|
| High Temperature Reverse Bias           | JESD22-A108   | Tj= 175°C, 100% max rated BV      | 1008 hrs | 0/77   |
| High Temperature Storage Life           | JESD22-A103   | Ta= 175°C                         | 1008 hrs | 0/77   |
| Temperature Cycling                     | JESD22-A104   | Ta= -55°C to +150°C               | 1000 cyc | 0/77   |
| High Humidity High Temp<br>Reverse Bias | JESD22-A101   | Ta = 85°C, 85% RH, 100V           | 1008 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 = 265°C, 10 sec                | -        | 0/10   |

### Electrical Characteristics Summary:

Electrical characteristics are not impacted.



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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](#).

| Current Part Number | New Part Number | Qualification Vehicle |
|---------------------|-----------------|-----------------------|
| FGY100T120SWD       | #NONE           | FGY100T120SWD         |
| FGY75T120SWD        | #NONE           | FGY100T120SWD         |
| FGY4L100T120SWD     | #NONE           | FGY4L100T120SWD       |