



**12500 TI Boulevard, MS 8640, Dallas, Texas 75243**

**PCN# 20170629002**  
**Transfer of select SLM devices from GFAB to FFAB Wafer Fab site**  
**Change Notification / Sample Request**

**Date:** July 05, 2017  
**To:** TOKYO ELECTRON DEVICE (DSTR) PCN

Dear Customer:

This is an announcement of a change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

We request you acknowledge receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance of the change. If you require samples or additional data to support your evaluation, please request within 30 days.

The changes discussed within this PCN will not take effect any earlier than **90** days from the date of this notification, unless customer agreement has been reached on an earlier implementation of the change. This notification period is per TI's standard process.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Manager ([PCN\\_ww\\_admin\\_team@list.ti.com](mailto:PCN_ww_admin_team@list.ti.com)).

PCN Team  
SC Business Services

**20170629002**  
**Attachment: 1**

**Products Affected:**

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

| <b>DEVICE</b>     | <b>CUSTOMER PART NUMBER</b> |
|-------------------|-----------------------------|
| LM2585T-ADJ/NOPB  | null                        |
| LM10CN/NOPB       | null                        |
| LM2577SX-ADJ/NOPB | null                        |
| LM2585S-ADJ/NOPB  | null                        |
| LM2577T-ADJ/LF03  | null                        |
| LM2586S-ADJ/NOPB  | null                        |
| LM2587S-ADJ/NOPB  | null                        |
| LM2586SX-ADJ/NOPB | null                        |
| LM2577T-ADJ/NOPB  | null                        |

Technical details of this Product Change follow on the next page(s).

| <b>PCN Number:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 20170629002                                                     |                                                   | <b>PCN Date:</b>                      | July 5, 2017                     |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|---------------------------------------|----------------------------------|----------------|------------------|--|--|--------------|--|--|------------------|---------|----------------|--------------|---------|----------------|-------|-----|--------|------|-----|--------|-------|-----|--------|------|-----|--------|
| <b>Title:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Transfer of select SLM devices from GFAB to FFAB Wafer Fab site |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <b>Customer Contact:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">PCN Manager</a>                                     |                                                   | <b>Dept:</b>                          | Quality Services                 |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <b>Proposed 1<sup>st</sup> Ship Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Oct. 5, 2017                                                    |                                                   | <b>Estimated Sample Availability:</b> | Date provided at sample request. |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <b>Change Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <input type="checkbox"/> Assembly Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> Assembly Process                       | <input type="checkbox"/> Assembly Materials       |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <input type="checkbox"/> Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> Electrical Specification               | <input type="checkbox"/> Mechanical Specification |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <input type="checkbox"/> Test Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> Packing/Shipping/Labeling              | <input type="checkbox"/> Test Process             |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <input type="checkbox"/> Wafer Bump Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> Wafer Bump Material                    | <input type="checkbox"/> Wafer Bump Process       |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <input checked="" type="checkbox"/> Wafer Fab Site                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> Wafer Fab Materials                    | <input type="checkbox"/> Wafer Fab Process        |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> Part number change                     |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <b>PCN Details</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <b>Description of Change:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| This change notification is to announce the transfer of select SLM devices from GFAB to the FFAB Wafer Fab site for the selected devices listed in the "Product Affected" section.                                                                                                                                                                                                                                                                                                                       |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <table border="1"> <thead> <tr> <th colspan="3">Current Fab Site</th> <th colspan="3">New Fab Site</th> </tr> <tr> <th>Current Fab Site</th> <th>Process</th> <th>Wafer Diameter</th> <th>New Fab Site</th> <th>Process</th> <th>Wafer Diameter</th> </tr> </thead> <tbody> <tr> <td>GFAB6</td> <td>SLM</td> <td>150 mm</td> <td>FFAB</td> <td>SLM</td> <td>200 mm</td> </tr> <tr> <td>GFAB8</td> <td>SLM</td> <td>200 mm</td> <td>FFAB</td> <td>SLM</td> <td>200 mm</td> </tr> </tbody> </table>        |                                                                 |                                                   |                                       |                                  |                | Current Fab Site |  |  | New Fab Site |  |  | Current Fab Site | Process | Wafer Diameter | New Fab Site | Process | Wafer Diameter | GFAB6 | SLM | 150 mm | FFAB | SLM | 200 mm | GFAB8 | SLM | 200 mm | FFAB | SLM | 200 mm |
| Current Fab Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |                                                   | New Fab Site                          |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| Current Fab Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Process                                                         | Wafer Diameter                                    | New Fab Site                          | Process                          | Wafer Diameter |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| GFAB6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SLM                                                             | 150 mm                                            | FFAB                                  | SLM                              | 200 mm         |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| GFAB8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SLM                                                             | 200 mm                                            | FFAB                                  | SLM                              | 200 mm         |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| Qual details are provided in the Qual Data Section.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <b>Reason for Change:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| GFAB closure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <b>Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):</b>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <b>Changes to product identification resulting from this PCN:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <b>Current:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| Current Chip Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Chip Site Origin Code (20L)                                     | Chip Site Country Code (21L)                      | Chip Site City                        |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| GFAB6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | GF6                                                             | GBR                                               | Greenock                              |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| GFAB8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | GF8                                                             | GBR                                               | Greenock                              |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <b>New Fab Site:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| New Chip Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Chip Site Origin Code (20L)                                     | Chip Site Country Code (21L)                      | Chip Site City                        |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| FR-BIP-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TID                                                             | DEU                                               | Freising                              |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| Sample product shipping label (not actual product label)                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
|  <p> <b>TEXAS INSTRUMENTS</b><br/> MADE IN: Malaysia<br/> 2DC: 20:<br/> MSL 2 / 260C/1 YEAR SEAL DT<br/> MSL 1 / 235C/UNLIM 03/29/04<br/> OPT:<br/> ITEM: 39<br/> <b>LBL: 5A (L)T0:1750</b> </p> <p> <b>SN74LS07NSR</b><br/> (Q) 2000 (D) 0336<br/> (31T) LOT: 3959047MLA<br/> (4W) TKY (1T) 7523483S12<br/> (P)<br/> (2P) REV: (V) 0033517<br/> (20L) CS0: SHE (21L) CCO:USA<br/> (22L) AS0:MLA (23L) ACO: MYS </p> |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| <b>Product Affected:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                 |                                                   |                                       |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| LM10CLN/NOPB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LM2585S-ADJ                                                     | LM2586SX-ADJ                                      | LM2587T-5.0/NOPB                      |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| LM10CN/NOPB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LM2585S-ADJ/NOPB                                                | LM2586SX-ADJ/NOPB                                 | LM2587T-ADJ                           |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |
| LM10CWM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LM2585SX-12/NOPB                                                | LM2586T-3.3/NOPB                                  | LM2587T-ADJ/NOPB                      |                                  |                |                  |  |  |              |  |  |                  |         |                |              |         |                |       |     |        |      |     |        |       |     |        |      |     |        |

|                       |                       |                   |                      |
|-----------------------|-----------------------|-------------------|----------------------|
| LM10CWM/NOPB          | LM2585SX-5.0          | LM2586T-5.0/NOPB  | LM2587T-ADJ/SL110726 |
| LM10CWMX/NOPB         | LM2585SX-5.0/NOPB     | LM2586T-ADJ       | LM2588-5.0-MWC       |
| LM2577S-ADJ           | LM2585SX-ADJ/NOPB     | LM2586T-ADJ/NOPB  | LM2588S-12/NOPB      |
| LM2577S-ADJ/NOPB      | LM2585T-12/NOPB       | LM2587S-12/NOPB   | LM2588S-3.3/NOPB     |
| LM2577SX-ADJ          | LM2585T-3.3/NOPB      | LM2587S-3.3/NOPB  | LM2588S-5.0/NOPB     |
| LM2577SX-ADJ/NOPB     | LM2585T-5.0/NOPB      | LM2587S-5.0       | LM2588S-ADJ          |
| LM2577SX-ADJ/S5001344 | LM2585T-ADJ           | LM2587S-5.0/NOPB  | LM2588S-ADJ/NOPB     |
| LM2577SX-ADJ/S5001804 | LM2585T-ADJ/NOPB      | LM2587S-ADJ       | LM2588SX-12/NOPB     |
| LM2577T-ADJ           | LM2586S-12/NOPB       | LM2587S-ADJ/NOPB  | LM2588SX-3.3/NOPB    |
| LM2577T-ADJ/J7002816  | LM2586S-3.3/NOPB      | LM2587SX-12/NOPB  | LM2588SX-5.0/NOPB    |
| LM2577T-ADJ/LB03      | LM2586S-5.0/NOPB      | LM2587SX-5.0/NOPB | LM2588SX-ADJ/NOPB    |
| LM2577T-ADJ/LF03      | LM2586S-ADJ           | LM2587SX-ADJ      | LM2588T-3.3/NOPB     |
| LM2577T-ADJ/NOPB      | LM2586S-ADJ/NOPB      | LM2587SX-ADJ/NOPB | LM2588T-5.0/NOPB     |
| LM2585S-12/NOPB       | LM2586SX-3.3/NOPB     | LM2587T-12/NOPB   | LM2588T-ADJ          |
| LM2585S-3.3/NOPB      | LM2586SX-5.0/E7001891 | LM2587T-3.3/NOPB  | LM2588T-ADJ/NOPB     |
| LM2585S-5.0/NOPB      | LM2586SX-5.0/NOPB     |                   |                      |

**Automotive New Product Qualification Summary**  
(As per AEC-Q100 and JEDEC Guidelines)

**New process qualification in FFAB on SLM process - LM2587T-ADJ/NOPB (Implant Resistor Module)**  
**Approved 27-Jun-2017**

**Product Attributes**

| Attributes         | Qual Device:<br>LM2587T-ADJ/NOPB | QBS Process Reference:<br>LM2576HVT-5.0/NOPB |
|--------------------|----------------------------------|----------------------------------------------|
| Assembly Site      | TIEM-AT                          | TIEM-AT                                      |
| Package Type       | TO-220                           | TO-220                                       |
| Wafer Fab Supplier | FFAB                             | FFAB                                         |
| Wafer Fab Process  | SLM                              | SLM                                          |

- QBS: Qual By Similarity

- Qual Device LM2587T-ADJ/NOPB is qualified at LEVEL1- 260CG

**Qualification Results**

**Data Displayed as: Number of lots / Total sample size / Total failed**

| Type                                                       | #  | Test Spec                        | Min Lot Qty | SS/Lot | Test Name / Condition       | Duration    | Qual Device:<br>LM2587T-ADJ/NOPB | QBS Process Reference:<br>LM2576HVT-5.0/NOPB |
|------------------------------------------------------------|----|----------------------------------|-------------|--------|-----------------------------|-------------|----------------------------------|----------------------------------------------|
| <b>Test Group A – Accelerated Environment Stress Tests</b> |    |                                  |             |        |                             |             |                                  |                                              |
| HAST                                                       | A2 | JEDEC JESD22-A110                | 3           | 77     | Biased HAST, 130C/85%RH     | 96 Hours    | -                                | 3/231/0                                      |
| AC                                                         | A3 | JEDEC JESD22-A102                | 3           | 77     | Autoclave 121C              | 96 Hours    | -                                | 3/231/0                                      |
| TC                                                         | A4 | JEDEC JESD22-A104 and Appendix 3 | 3           | 77     | Temperature Cycle, -55/150C | 1000 Cycles | -                                | 3/231/0                                      |
| TC-BP                                                      | A4 | MIL-STD883 Method 2011           | 1           | 30     | Post Temp. Cycle Bond Pull  | Wires       | -                                | 3/30/0                                       |
| PTC                                                        | A5 | JEDEC JESD22-A105                | 1           | 45     | Power Temperature Cycle     | 1000 Cycles | -                                | N/A                                          |
| HTSL                                                       | A6 | JEDEC JESD22-A103                | 1           | 45     | High Temp Storage Bake 150C | 1000 Hours  | -                                | 3/231/0                                      |

| Test Group B – Accelerated Lifetime Simulation Tests |    |                            |   |     |                                                     |                                   |        |          |
|------------------------------------------------------|----|----------------------------|---|-----|-----------------------------------------------------|-----------------------------------|--------|----------|
| HTOL                                                 | B1 | JEDEC JESD22-A108          | 3 | 77  | Life Test, 125C                                     | 1000 Hours                        | 1/77/0 | 3/231/0  |
| ELFR                                                 | B2 | AEC Q100-008               | 3 | 800 | Early Life Failure Rate, 125C                       | 48 Hours                          | -      | 3/2400/0 |
| EDR                                                  | B3 | AEC Q100-005               | 3 | 77  | NVM Endurance, Data Retention, and Operational Life | -                                 | N/A    | N/A      |
| Test Group C – Package Assembly Integrity Tests      |    |                            |   |     |                                                     |                                   |        |          |
| WBS                                                  | C1 | AEC Q100-001               | 1 | 30  | Wire Bond Shear (Cpk>1.67)                          | Wires                             | 1/30/0 | 1/30/0   |
| WBP                                                  | C2 | MIL-STD883 Method 2011     | 1 | 30  | Wire Bond Pull (Cpk>1.67)                           | Wires                             | 1/30/0 | 1/30/0   |
| SD                                                   | C3 | JEDEC JESD22-B102          | 1 | 15  | Solderability >95% Lead Coverage                    | Pb Free                           | -      | 1/15/0   |
| SD                                                   | C3 | JEDEC JESD22-B102          | 1 | 15  | Solderability >95% Lead Coverage                    | Pb                                | -      | 1/15/0   |
| PD                                                   | C4 | JEDEC JESD22-B100 and B108 | 3 | 10  | Physical Dimensions (Cpk>1.67)                      | -                                 | -      | 3/30/0   |
| Test Group D – Die Fabrication Reliability Tests     |    |                            |   |     |                                                     |                                   |        |          |
| EM                                                   | D1 | JESD61                     | - | -   | Electromigration                                    | -                                 | -      | -        |
| Tddb                                                 | D2 | JESD35                     | - | -   | Time Dependant Dielectric Breakdown                 | -                                 | -      | -        |
| HCI                                                  | D3 | JESD60 & 28                | - | -   | Hot Injection Carrier                               | -                                 | -      | -        |
| NBTI                                                 | D4 | -                          | - | -   | Negative Bias Temperature Instability               | -                                 | -      | -        |
| SM                                                   | D5 | -                          | - | -   | Stress Migration                                    | -                                 | -      | -        |
| Test Group E – Electrical Verification Tests         |    |                            |   |     |                                                     |                                   |        |          |
| HBM                                                  | E2 | AEC Q100-002               | 1 | 3   | ESD - HBM                                           | 2500V                             | 1/3/0  | 3/9/0    |
| CDM                                                  | E3 | AEC Q100-011               | 1 | 3   | ESD - CDM                                           | 750V                              | 1/3/0  | 3/9/0    |
| LU                                                   | E4 | AEC Q100-004               | 1 | 6   | Latch-up                                            | (Per AEC-Q100-004)                | 1/6/0  | 3/18/0   |
| ED                                                   | E5 | AEC Q100-009               | 3 | 30  | Electrical Distributions                            | Cpk>1.67 Room, hot, and cold test | 1/30/0 | 3/90/0   |

**Ambient Operating Temperature by Automotive Grade Level:**

Grade 0 (or E): -40°C to +150°C

Grade 1 (or Q): -40°C to +125°C

Grade 2 (or T): -40°C to +105°C

Grade 3 (or I): -40°C to +85°C

**E1 (TEST): Electrical test temperatures of Qual samples (High temperature according to Grade level):**

Room/Hot/Cold: HTOL, ED

Room/Hot: THB/HAST, TC/PTC, HTSL, ELFR, ESD & LU

Room: AC/HAST

**Green/Pb-free Status:**

Qualified Pb-Free (SMT) and Green

For questions regarding this notice, e-mails can be sent to the regional contacts shown below, or you can contact your local Field Sales Representative.

| Location     | E-Mail                                                                             |
|--------------|------------------------------------------------------------------------------------|
| USA          | <a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a> |
| Europe       | <a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>     |
| Asia Pacific | <a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>         |
| Japan        | <a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>       |