

PCN 20150213002
F021
Part Number Retirement and Replacement
Change Notification

Date: 8/10/2015
To: Newark/Farnell 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.

Texas Instruments requires acknowledgement of 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. The proposed first ship date is indicated on page 2 of this notification, unless customer agreement has been reached on an earlier implementation of the change.

Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

TI does not anticipate the changes made in revised devices to impact estimated safety metrics in the device safety analysis reports nor recommendations made in device safety manuals. The customer is responsible for evaluating all functional safety related impact, if any, of these changes to the implemented system and to take appropriate actions to mitigate any perceived impact to system level functional safety.

For questions or samples regarding this notice, contact your local Field Sales Representative or the PCN Manager (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN Team
SC Business Services

**\$CRF_PCN Number\$
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.

\$Device Table\$

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

| | | | |
|----------------------------|---|---------------------------|----------------|
| PCN Number: | 20150213002 | PCN Date: | 08/10/2015 |
| Title: | F021 - Orderable Part Number Retirement and Replacement | | |
| Customer Contact: | PCN Manager | PCN type: | P/N Retirement |
| Dept.: | Quality Services | | |
| Last date to order: | 02/10/2016 | Last date to ship: | 08/10/2016 |

Orderable Part Number Retirement and Replacement Notification Details

Description of Part Number Retirement and Replacement:

Texas Instruments, Incorporated (TI) is announcing the retirement of RM48X; RM46X; RM42X current version Orderable Part Numbers. A lifetime buy is being offered with the dates given above. Replacement part numbers for these devices are shown in the Product Affected Section.

Design Change:

Errata availability

| Errata | Avail RM48 | Avail RM46 | Avail RM42 |
|---|---------------|---------------|---------------|
| Power-on reset during bank 7 Sector erase may corrupt other sectors (new erratum DEVICE#B041) | N/A | N/A | Yes |
| Reads of Bank7 may be corrupted by short glitches on nPORST pin (new erratum DEVICE#B042) | N/A | N/A | Yes |
| Incorrect Write to External Memory using Store-Multiple CPU instruction (erratum DEVICE#B064) | Yes | Yes | N/A |
| CPU write to peripheral or EMIF may be lost (new erratum DEVICE#B071) | Yes | Yes | N/A |
| PBIST ROM Algorithm Doesn't Execute (new erratum PBIST#4) | Yes | Yes | Yes |
| Change to PLL Lock Time (new erratum SWF021#44) | Yes | Yes | Yes |

Lead time table

| | RM48x | RM46x | RM42x |
|-------------------------------------|--------|--------|--------|
| Errata New Revision | Avail | Avail | Avail |
| TMS Avail Superset * | Avail | Avail | Sep'15 |
| TMS Sample Avail (any config) | Oct'15 | Oct'15 | Dec'15 |
| Production Avail (vol. @ Leadtime) | Dec'15 | Dec'15 | Jan'16 |

* Superset devices listed under Product Affected section.

Reason for Change:

PLL and F021 errata fixes

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

There is no change to Form or fit of the component. There is a positive change to Function, quality and reliability of the component.

Changes to product identification resulting from this PCN:

Die Rev designator will change as shown in the packing example label below and is shown in the errata document for each device:

| Device Family | New Die Revision |
|---------------|------------------|
| RM48X | D |
| RM46X | C |
| RM42X | B |

Example Product Shipping Label



Product Affected

| RM48X Part Numbers Being Retired | RM48X REPLACEMENT PRODUCTS (with new package designators) | REPLACEMENT CODES |
|----------------------------------|---|-------------------|
| RM48L530PGET | RM48L530DPGET | Q |
| RM48L530ZWTT | RM48L530DZWTT | Q |
| RM48L540PGET | RM48L540DPGET | Q |
| RM48L540ZWTT | RM48L540DZWTT | Q |
| RM48L550PGET | RM48L550DPGET | Q |
| RM48L550ZWTT | RM48L550DZWTT | Q |
| RM48L730PGET | RM48L730DPGET | Q |
| RM48L730ZWTT | RM48L730DZWTT | Q |
| RM48L740PGET | RM48L740DPGET | Q |
| RM48L740ZWTT | RM48L740DZWTT | Q |
| RM48L750PGET | RM48L750DPGET | Q |
| RM48L750ZWTT | RM48L750DZWTT | Q |
| RM48L930PGET | RM48L930DPGET | Q |
| RM48L930ZWTT | RM48L930DZWTT | Q |
| RM48L940PGET | RM48L940DPGET | Q |
| RM48L940ZWTT | RM48L940DZWTT | Q |
| RM48L950PGET | RM48L950DPGET | Q |
| RM48L950ZWTT | RM48L950DZWTT | Q |
| RM48L952PGET * | RM48L952DPGET * | Q |
| RM48L952ZWTT * | RM48L952DZWTT * | Q |

| RM46X Part Numbers Being Retired | RM46X REPLACEMENT PRODUCTS (with new package designators) | REPLACEMENT CODES |
|----------------------------------|---|-------------------|
| RM46L430PGET | RM46L430CPGET | Q |
| RM46L430ZWTT | RM46L430CZWTT | Q |
| RM46L440PGET | RM46L440CPGET | Q |

| | | |
|----------------|-----------------|---|
| RM46L440ZWTT | RM46L440CZWTT | Q |
| RM46L450PGET | RM46L450CPGET | Q |
| RM46L450ZWTT | RM46L450CZWTT | Q |
| RM46L830PGET | RM46L830CPGET | Q |
| RM46L830ZWTT | RM46L830CZWTT | Q |
| RM46L840PGET | RM46L840CPGET | Q |
| RM46L840ZWTT | RM46L840CZWTT | Q |
| RM46L850PGET | RM46L850CPGET | Q |
| RM46L850ZWTT | RM46L850CZWTT | Q |
| RM46L852PGET * | RM46L852CPGET * | Q |
| RM46L852ZWTT * | RM46L852CZWTT * | Q |

| RM42X Part Numbers Being Retired | RM42X REPLACEMENT PRODUCTS (with new package designators) | REPLACEMENT CODES |
|----------------------------------|---|-------------------|
| RM42L432PZT * | RM42L432BPZT * | Q |

Replacement Notes:

- F = Similar functionality but not equivalent.
- P = Same functionality but not pin-for-pin equivalent and may not be parametrically equivalent.
- Q = Same functionality and PIN-OUT as the compared device but is NOT an exact equivalent.
- S = EXACT equivalent in functionality and parametrically to the compared device.

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

| Location | E-Mail |
|--------------|--|
| USA | PCNAmericasContact@list.ti.com |
| Europe | PCNEuropeContact@list.ti.com |
| Asia Pacific | PCNAsiaContact@list.ti.com |
| Japan | PCNJapanContact@list.ti.com |