

PCN Number:	20150213002A	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 the TMS570LS21x/LS31x; TMS570LS11x/LS12x; TMS570LS03x/LS04x 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		
	TMS570LS21x / LS31x	TMS570LS11x / LS12x	TMS570LS03x / LS04x
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

	TMS570LS21x/LS31x	TMS570LS11x/LS12x	TMS570LS03x/LS04x
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:

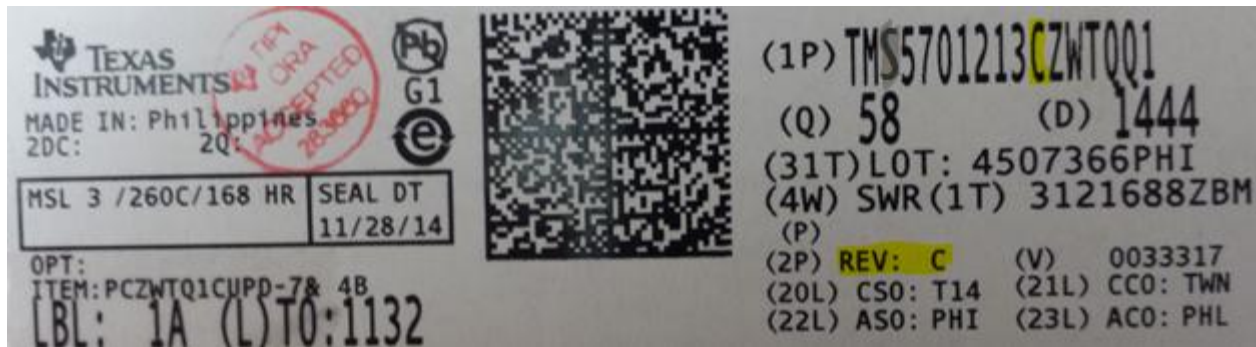
Die Rev designator will change as shown in the packing example label below and is shown in the errata document for each device:

Device Family	New Die Revision
TMS570LS21x/LS31x	D
TMS570LS11x/LS12x	C

TMS570LS03x/LS04x

B

Example Product Shipping Label



Product Affected

TMS570LS21x/LS31x Part Numbers Being Retired	TMS570LS21x/LS31x REPLACEMENT PRODUCTS (with new package designators)	REPLACEMENT CODES
TMS5702122CPGEEQ1	TMS5702122DPGEEQ1	Q
TMS5702123CPGEEQ1	TMS5702123DPGEEQ1	Q
TMS5702124CPGEEQ1	TMS5702124DPGEEQ1	Q
TMS5702124CZWTQQ1	TMS5702124DZWTQQ1	Q
TMS5702125CPGEEQ1	TMS5702125DPGEEQ1	Q
TMS5702125CZWTQQ1	TMS5702125DZWTQQ1	Q
TMS5702134CPGEEQ1	TMS5702134DPGEEQ1	Q
TMS5702134CZWTQQ1	TMS5702134DZWTQQ1	Q
TMS5702135CPGEEQ1	TMS5702135DPGEEQ1	Q
TMS5702135CZWTQQ1	TMS5702135DZWTQQ1	Q
TMS5702136CZWTQQ1	TMS5702136DZWTQQ1	Q
TMS5702136CZWTSQ1	TMS5702136DZWTSQ1	Q
TMS5703134CPGEEQ1	TMS5703134DPGEEQ1	Q
TMS5703134CZWTQQ1	TMS5703134DZWTQQ1	Q
TMS5703135CPGEEQ1	TMS5703135DPGEEQ1	Q
TMS5703135CZWTQQ1	TMS5703135DZWTQQ1	Q
TMS5703136CZWTQQ1	TMS5703136DZWTQQ1	Q
TMS5703137CPGEEQ1	TMS5703137DPGEEQ1 *	Q
TMS5703137CZWTQQ1	TMS5703137DZWTQQ1 *	Q

TMS570LS11x/LS12x Part Numbers Being Retired	TMS570LS11x/LS12x REPLACEMENT PRODUCTS (with new package designators)	REPLACEMENT CODES
TMS5700812BPGEEQ1	TMS5700812CPGEEQ1	Q

TMS5700814BPGEQQ1	TMS5700814CPGEQQ1	Q
TMS5700815BPGEQQ1	TMS5700815CPGEQQ1	Q
TMS5701112BPGEQQ1	TMS5701112CPGEQQ1	Q
TMS5701113BPGETQ1	TMS5701113CPGETQ1	Q
TMS5701114BPGEQQ1	TMS5701114CPGEQQ1	Q
TMS5701114BZWTQQ1	TMS5701114CZWTQQ1	Q
TMS5701115BPGEQQ1	TMS5701115CPGEQQ1	Q
TMS5701115BZWTQQ1	TMS5701115CZWTQQ1	Q
TMS5701203BPGEQQ1	TMS5701203CPGEQQ1	Q
TMS5701213BZWTQQ1	TMS5701213CZWTQQ1	Q
TMS5701213BZWTSQ1	TMS5701213CZWTSQ1	Q
TMS5701224BPGEQQ1	TMS5701224CPGEQQ1	Q
TMS5701224BZWTQQ1	TMS5701224CZWTQQ1	Q
TMS5701225BPGEQQ1	TMS5701225CPGEQQ1	Q
TMS5701225BZWTQQ1	TMS5701225CZWTQQ1	Q
TMS5701227BPGEQQ1	TMS5701227CPGEQQ1 *	Q
TMS5701227BZWTQQ1	TMS5701227CZWTQQ1 *	Q

TMS570LS03x/LS04x Part Numbers Being Retired	TMS570LS03x/LS04x REPLACEMENT PRODUCTS (with new package designators)	REPLACEMENT CODES
TMS5700332APZQQ1	TMS5700332BPZQQ1	Q
TMS5700404APZQQ1	TMS5700404BPZQQ1	Q
TMS5700432APZQQ1	TMS5700432BPZQQ1 *	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 or samples 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