

PDN Number:	2018081001.3	PDN Date:	Aug 10, 2018
Title:	Discontinuance of Devices in the Dual Cool Package		
Customer Contact:	PCN Manager	Dept:	Quality Services
Last date to order:	Nov 15, 2018	Last date to ship:	May 15, 2019
Change Type:	Product Discontinuance - End Of Life		

Product Discontinuance Notification Details

Description of Discontinuance:

Texas Instruments Incorporated (TI) is announcing the discontinuance of devices in the dual cool package as of November 15, 2018.

A non-cancelable, non-refundable last time buy is being offered per the dates shown above. Please note that existing backlog and new life time buy orders will ship out of PSi-Laguna. PSi-Laguna uses the same equipment, processes, and material as PSi-Taguig and there is no change in Form, Fit, Function, Quality or Reliability of the devices. Qualification data for PSi-Laguna is included in this PCN.

Recommended replacements are being offered as shown in the Product Affected Section.

NOTE: There are no samples offered for withdrawn/obsolete products. For samples of any replacement products, please contact your local sales representative.

Reason for Discontinuance:

Manufacturing support at PSi is being discontinued after the Last Order Date above.

Changes to product identification for shipments from PSi-Laguna assembly site:




Current:

Assembly Site	Assembly Site Origin Code (22L)	Assembly Site Country Code (22L)	Assembly Site City
PSi-Taguig	PAC	PHL	Taguig

New:

Assembly Site	Assembly Site Origin Code (22L)	Chip Site Country Code (21L)	Assembly Site City
PSi-Laguna	PS2	PHL	Laguna

Sample product shipping label (not actual product label)

 <p>MADE IN: Malaysia 2DC: 2Q:</p> <table border="1"> <tr> <td>MSL 2 / 260C / 1 YEAR</td> <td>SEAL DT</td> </tr> <tr> <td>MSL 1 / 235C / UNLIM</td> <td>03 / 29 / 04</td> </tr> </table> <p>OPT: ITEM: 39 LBL: 5A (L)T0:1750</p>	MSL 2 / 260C / 1 YEAR	SEAL DT	MSL 1 / 235C / UNLIM	03 / 29 / 04	 	<p>(1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CSO: SHE (21L) CCO: USA (22L) ASO: MLA (23L) ACO: MYS</p>
MSL 2 / 260C / 1 YEAR	SEAL DT					
MSL 1 / 235C / UNLIM	03 / 29 / 04					

Product Affected:		
Product Being Discontinued	RECOMMENDED REPLACEMENT PRODUCTS	REPLACEMENT CODES
CSD16321Q5C	CSD16321Q5	Q
CSD16322Q5C	CSD16322Q5	Q
CSD16323Q3C	CSD16323Q3	Q
CSD16325Q5C	CSD16325Q5	Q
CSD16407Q5C	CSD16407Q5	Q
CSD16408Q5C	CSD16408Q5	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.

Qualification Report
PSI site transfer project from Taguig to Laguna using CSD16325Q5C (for dual cool) as driver vehicle.
Approved 17-Jul-2018

Product Attributes

Attributes	Qual Device: CSD16325Q5	Qual Device: CSD16325Q5C	Qual Device: CSD87350Q5D	Qual Device: CSD95490Q5MC	Product QBS: CSD16325Q5C	Product QBS: CSD87350Q5D	Product QBS: CSD95490Q5MC
Assembly Site	PSI - Laguna	PSI - Laguna	PSI - Laguna	PSI - Laguna	PSI - Taguig	PSI - Taguig	PSI - Taguig
Package Family	QFN/SON	QFN/SON	QFN/SON	QFN/SON	QFN/SON	QFN/SON	QFN/SON
Flammability Rating	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0
Wafer Fab Supplier	CFAB	CFAB	CFAB CFAB	CFAB CFAB MIHO	CFAB	CFAB CFAB	CFAB CFAB MIHO
Wafer Fab Process	NEXFET Gen1.2	NEXFET Gen1.2	NEXFET Gen2.0 NEXFET Gen2.0	NEXFET Gen2.2 NEXFET Gen2.2 LBC7	NEXFET Gen1.2	NEXFET Gen2.0 NEXFET Gen2.0	NEXFET Gen2.2 NEXFET Gen2.2 LBC7

- QBS: Qual By Similarity
- Qual Device CSD16325Q5C, CSD16325Q5 are qualified at LEVEL1-260C
- Qual Device CSD87350Q5D, CSD95490Q5MC are qualified at LEVEL2-260C
- Device CSD87350Q5D and CSD95490Q5MC contains multiple dies

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: CSD16325 Q5	Qual Device: CSD16325Q 5C	Qual Device: CSD87350Q 5D	Qual Device: CSD95490Q5 MC	Product QBS: CSD16325Q 5C	Product QBS: CSD87350Q 5D	Product QBS: CSD95490Q5 MC
AC	Autoclave 121C	96 Hours	1/77/0	3/231/0	1/77/0	-	3/231/0	3/231/0	-
THB	Biased Temperature and Humidity, 85C/85% RH	1000 Hours	-	-	-	-	3/231/0	3/231/0	-
TC	Temperature Cycle, -40/125C	500 Cycles	-	-	-	-	3/231/0	-	-
TC	Temperature Cycle, -40/125C	850 Cycles	1/77/0	3/231/0	1/77/0	-	-	3/231/0	-
TC	Temperature Cycle, -55/125C	1000 Cycles	1/77/0	-	1/77/0	1/77/0	-	-	3/231/0
IOL	Intermittent Operating Life	10000 Cycles	-	-	-	-	3/231/0	3/231/0	-
HTGB	High Temp. Reverse Bias, 150C	1000 Hours	-	-	-	-	3/231/0	3/231/0	-
HTRB	High Temp. Gate Bias, 150C	1000 Hours	-	-	-	-	3/231/0	3/231/0	-
HTOL	Life Test, 125C	1000 Hours	-	-	-	-	-	-	3/231/0
WBP	Bond Pull	Wires	1/30/0	3/90/0	1/30/0	6/90/0	-	-	-
WBS	Ball Bond Shear	Wires	1/30/0	3/90/0	1/30/0	6/90/0	-	-	-
PD	Physical Dimensions	--	1/30/0	3/90/0	1/30/0	6/90/0	-	-	-

- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable
- The following are equivalent HTOL options based on an activation energy of 0.7eV : 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours
- The following are equivalent HTSL options based on an activation energy of 0.7eV : 150C/1k Hours, and 170C/420 Hours
- The following are equivalent Temp Cycle options per JESD47 : -55C/125C/700 Cycles and -65C/150C/500 Cycles

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