



Title of Change:	Update Notice of FPCN21393X – Change of Proposed First Ship Date.
Proposed first ship date:	3 August 2017
Contact information:	Contact your local ON Semiconductor Sales Office or <Takeshi2.Hoshino@onsemi.com>,<Yutaka.Okamura@onsemi.com>,<Takehito.Tsukui@onsemi.com>,<Shuichi.Takahashi@onsemi.com>,<Naoki.Koyama@onsemi.com>,<Shinya.Okada@onsemi.com>,<Ikuro.Saeki@onsemi.com>,<Hiroshi.Kojima@onsemi.com>,<Tetsuya.Fukushima@onsemi.com>
Samples:	Contact your local ON Semiconductor Sales Office
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office
Type of notification:	ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <PCN.Support@onsemi.com>.
Change category:	<input type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____

Change Sub-Category(s):	<input type="checkbox"/> Manufacturing Site Change/Addition	<input checked="" type="checkbox"/> Material Change	<input type="checkbox"/> Datasheet/Product Doc change
	<input type="checkbox"/> Manufacturing Process Change	<input type="checkbox"/> Product specific change	<input type="checkbox"/> Shipping/Packaging/Marking
			<input type="checkbox"/> Other: _____

Sites Affected:	<input type="checkbox"/> All site(s)	<input type="checkbox"/> not applicable	<input checked="" type="checkbox"/> ON Semiconductor site(s) : ON Tarlac City, Philippines	<input type="checkbox"/> External Foundry/Subcon site(s) Ardentec
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Description and Purpose:

This Update Notice announces the following:

- Extend the Proposed First Ship Date of the previously released FPCN21393X from **3rd of November 2016** to **3rd of August 2017**.
- Parts identified below table are removed in the previously released FPCN21393X and will no longer undergo the change.

LC72715PW-UDSY-NH	LC786800E-04UL-H
LC72715W-H	LC786961W-26CA-LR-H

FPCN21393X was previously announce the replacement of the lead frame raw material from C64730 to C19400 (C50710/C19400: ASTM code). The reason is that the existing lead frame raw material will no longer be available.

- The table below shows comparison of mechanical and chemical properties between the two materials.

Material Name		C19400(Alternative)	C64730(Existing)
Mechanical properties			
Coefficient of Thermal Expansion	X10 ⁻⁶ /K	17.6	17.0
Thermal Conductivity	W (m ·K)	262	150
Electrical Resistivity	μΩm	0.025	0.049
Electrical Conductivity	%IACS	65	35
Modulus Elasticity	KN/m ²	121	125
Chemical properties			
Cu	%	Remain	Remain
Zn	%	0.05 ~ 0.20	0.2 ~ 0.5
Pb	%	Max 0.03	None
Fe	%	2.10 ~ 2.60	None
P	%	0.01 ~ 0.15	None
Sn	%	None	1.0 ~ 1.5
Ni	%	None	2.9 ~ 3.5
Si	%	None	0.5 ~ 0.9

**List of Affected Standard Parts:**

LC74736PT-E
LC749000PT-8B15H
LC75055PE-6158-H
LC75056PE-H
LC75805PES-3H
LC75806PT-H
LC75806PTS-T-H
LC75809PT-H
LC75809PTS-H
LC75810T-8725-E
LC75812PTH-8565-H
LC75812PTS-8565-H
LC75813TS-E
LC75818PT-8560-H
LC75847T-E
LC75847TS-E
LC87F83P7PAU-QIP-E
LC87F83P7PBU-QIP-E
LC88F40DOPAU-QIP-H
LC88F40F0PAU-QIP-H
LC88FC2H0AVUTE-2H
LC78616PE-6D02-H

List of Affected Customer Specific Parts:

NOTE: Please be informed that parts impacted by this PDN/PCN are Special/Customer specific parts, thus MPN & CPN info will be available to affected customers only by clicking the ["Custom PCN for Selected Company Button"](#) in the Document Analysis page of PCMS/PCN Alert.