



Update Notification

Document # : FPCN16790XKB1

Issue Date: 7 March 2017

Title of Change:	Update Notice to FPCN16790XKB – Correction on Qualification Test Results
Proposed first ship date:	7 June 2017
Contact information:	Contact your local ON Semiconductor Sales Office or <Osamu.Akaki@onsemi.com>
Samples:	Contact your local ON Semiconductor Sales Office
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <Yasuhiro.Igarashi@onsemi.com>
Type of notification:	This is an Update Notification to a Final Product/Process Change Notification (FPCN) previously sent to customers. FPCNs are issued 90 days prior to implementation of the change. 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 Part Identification:	Affected products will be identified with date code.
Change category:	<input checked="" type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____
Change Sub-Category(s):	<input checked="" type="checkbox"/> Manufacturing Site Change/Addition <input 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 Niigata, Japan <input checked="" type="checkbox"/> External Foundry/Subcon site(s) ADVANCED MICROELECTRONIC PRODUCTS, INC.
Description and Purpose:	<p>FPCN16790XKB was issued to announce the transfer of products from ADVANCED MICROELECTRONIC PRODUCTS, INC. (AMPI) to ON Semiconductor Niigata Co., Ltd. (OSNC) Located in Niigata, Japan.</p> <p>This Update Notice is issued to announce the correct Qualification test results specifically for 1HN04CH-TL-W:</p> <ol style="list-style-type: none"> 1. Performed the IOL test instead of SSOL 2. TC from 100cycles to 500cycles

**Reliability Data Summary:****QV DEVICE NAME** 1HN04CH-TL-W**PACKAGE:** CPH3

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta=150°C, 80% max rated VDSS	1008 hrs	0/231
HTGB	JESD22-A108	Ta=150°C, 100% max rated VGSS	1008 hrs	0/231
SSOL	JESD22-A108	Tj= 150°C	1008 hrs	0/75
IOL	MIL-STD-750 AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/75
AC	JESD22-A102	Ta = 121°C, 100% RH, 15psig	96 hrs	0/231
TC	JESD22-A104	Ta= -55°C to +150°C	100 cyc 500 cyc	0/75
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, 80% max rated VDSS	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C	-	-
RSH	JESD22- B106	Ta = 260°C, 10 sec	-	0/90

QV DEVICE NAME SFT1445-TL-H**PACKAGE:** TP-FA

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta=150°C, 80% max rated VDSS	1008 hrs	0/231
HTGB	JESD22-A108	Ta=150°C, 100% max rated VGSS	1008 hrs	0/231
SSOL	JESD22-A108	Tj= 150°C	1008 hrs	0/75
AC	JESD22-A102	Ta = 121°C, 100% RH, 15psig	96 hrs	0/231
TC	JESD22-A104	Ta= -55°C to +150°C	100 cyc	0/75
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, 80% max rated VDSS	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C	-	-
RSH	JESD22- B106	Ta = 265°C, 10 sec	-	0/90

QV DEVICE NAME SFT1345-TL-H**PACKAGE:** TP-FA

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta=150°C, 80% max rated VDSS	1008 hrs	0/231
HTGB	JESD22-A108	Ta=150°C, 100% max rated VGSS	1008 hrs	0/231
SSOL	JESD22-A108	Tj= 150°C	1008 hrs	0/75
AC	JESD22-A102	Ta = 121°C, 100% RH, 15psig	96 hrs	0/231
TC	JESD22-A104	Ta= -55°C to +150°C	100 cyc	0/75
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, 80% max rated VDSS	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C	-	-
RSH	JESD22- B106	Ta = 265°C, 10 sec	-	0/90

List of affected Standard Parts:

Part Number	Qualification Vehicle
1HN04CH-TL-W	1HN04CH-TL-W
CPH3462-TL-W	SFT1445-TL-H
CPH3362-TL-W	SFT1345-TL-H