ON Semiconductor®

Final Product/Process Change Notification

Document # : FPCN22493X
Issue Date: 4 January 2019

Title of Change:	To convert H11AD9X-5660 series + MCT9001x series from Single to Matrix Leadframe
Proposed first ship date:	11 April 2019
Contact information:	Contact your local ON Semiconductor Sales Office or khaicheong.yau@onsemi.com
Samples:	Contact your local ON Semiconductor Sales Office or <PCN.samples@onsemi.com> Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change.
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or changkit.mok@onsemi.com
Type of notification:	This is a Final Product/Process Change Notification (FPCN) 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:	It will be identified by implementation datecode.
Change Category:	☐ Wafer Fab Change ☑ Assembly Change ☐ Test Change ☐ Other ________________

Change Sub-Category(s):

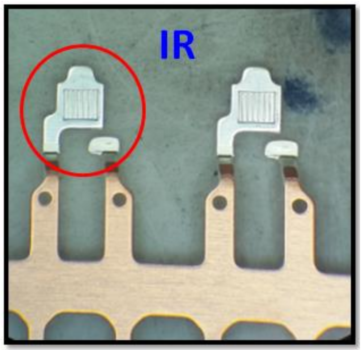
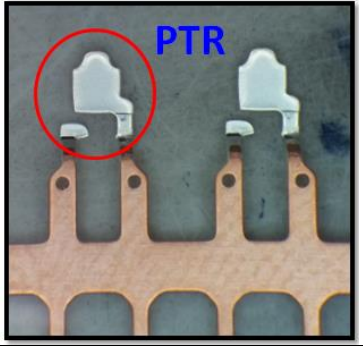
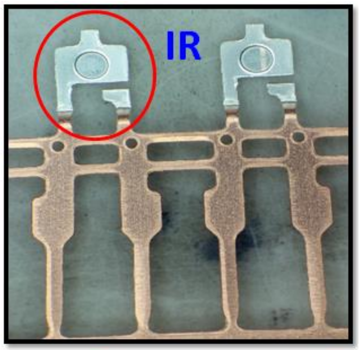
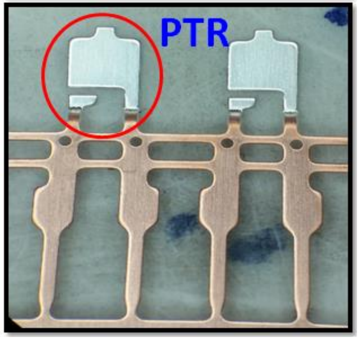
☐ Manufacturing Site Addition
☐ Manufacturing Site Transfer
☐ Manufacturing Process Change
☑ Material Change
☐ Product specific change
☐ Datasheet/Product Doc change
☐ Shipping/Packaging/Marking
☐ Other: ________________________________

Sites Affected:	ON Semiconductor Sites: None	External Foundry/Subcon Sites: Liteon Bangkok

Description and Purpose:

The Matrix unit will be in
1. Laser mark instead of inked mark
2. Bigger DAP
3. Has an unique mold ID stamp

Reason : Leadframe vendor would not want to continue with the support of non-matrix leadframe

	Before Change Description	**After Change Description**
LeadFrame	Single   	Matrix (**Bigger DAP**)  
Mold Compound	Without Mold ID	With Mold ID

	From	**To**
Product marking change	Ink Mark	Laser Mark

Reliability Data Summary:

DEVICE: MCT9001
PACKAGE PDIP 8 (Black Package)

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=100°C, biased	1008 hours	0/240
HTSL	JESD22-A103	Ta= 150°C, unbiased	1008 hours	0/240
PC	J-STD-020 JESD-A113	MSL 1@260°C	-	0/480
TC + PC	JESD22-A104	Ta= -55°C to +125°C	1000 cycles	0/240
THB + PC	JESD22-A101	Ta=85°C / 85% RH, biased	1008 hours	0/240
RSH	JESD22- B106	Ta = 265C, 10 sec	-	0/30
SD	JSTD002	Ta = 245C, 10 sec	-	0/10

Electrical Characteristic Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the PCN Customized Portal.

Part Number	Qualification Vehicle
MCT9001	MCT9001
MCT9001S	
MCT9001SD	