ON Semiconductor

Final Product/Process Change Notification

Document # : FPCN20626XBP
Issue Date: 6 July 2015

Title of Change:	Final PCN for wire change from gold to copper and part number change.
Proposed first ship date:	13 October 2015 or *Earlier upon customer approval*
Contact information:	Contact your local ON Semiconductor Sales Office or < Yasuhiro Igarashi @onsemi.com>
Samples:	Contact your local ON Semiconductor Sales Office
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or < Kazutoshi.Kitazume@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:	Affected products will be identified with new part number (changing suffix to "-W"). **PART_ID** → **New Part_ID** MCH3474-TL-H → MCH3474-TL-W
Change category:	☐ Wafer Fab Change ☒ Assembly Change ☐ Test Change ☐ Other _____

Change Sub-Category(s):

☐ Manufacturing Site Change/Addition
☐ Manufacturing Process Change
☒ Material Change
☐ Product specific change
☐ Datasheet/Product Doc change
☐ Shipping/Packaging/Marking
☐ Other: _____

Sites Affected:

☐ All site(s) ☐ not applicable
☒ ON Semiconductor site(s) : ON Shenzhen, China
☐ External Foundry/Subcon site(s)

Description and Purpose:

This is a Final Process Change Notification to announce the content below:

1) Changing wire material from gold to copper
2) Changing part number from MCH3474-TL-H to MCH3474-TL-W.

Reliability Data Summary:

Test	Conditions	Read point	Results
Steady State Operating Life	Tj=150degC	1000 hrs.	Pass
High Temperature Reverse Bias	Ta=150degC,VR=max	1000 hrs.	Pass
Temp Humidity Storage	Ta=85degC, RH=85%	1000 hrs.	Pass
Temperature Cycle	Ta=-55degC to 150degC 30min each	100 cycles	Pass
Pressure Cooker	Ta=121degC,2.03×10^5Pa,100%	50 hrs.	Pass
High Temperature Storage	Ta=150degC	1000 hrs.	Pass
Resistance to Soldering heat(Reflow)	Solder Temp.:260degC±5degC	10s	Pass
Solderability	Solder Temp.: 245degC±5degC	5 s	Pass

Electrical Characteristic Summary:

Electrical characteristics are not impacted.

List of Affected Standard Parts:

Part Number	Qualification Vehicle
MCH3474-TL-H	MCH6445-TL-W