

Product/ Process Change Notification

1. PCN No.:	QPCN11033
2. Subject:	SOT-2x Package Copper Bond Wire
3. To:	Customers
4. Issued by:	PMD PM
5. Issue date:	November. 1, 2011
6. Proposed first ship date for change:	January. 31, 2012
7. Affected Product Identification	
MOSFET Product Family ➤ SOT-2x Package	
8. Change Description : (OLD Vs. NEW Comparison)	
Old:	New:
➤ Gold bond-wire	➤ Copper bond-wire
9. Reason for Change:	
Enhancement to long-term product reliability. (Copper offers lower Electrical Resistivity, high current capability than Gold wire)	
10. Anticipated Impact: (form, fit, function, quality or reliability)	
1. Data sheet:	No Change
2. Reliability/performance:	No Change
3. Packing code (order code):	No Change
4. Inner construction:	No Change
11. Qualification plan/result:	
Refer to the appendix A and B	
12. Sample availability Date:	Please contact your regional Taiwan Semiconductor Sales office for sample availvalbility.
13. Tentative implementation date:	February. 2012
14. Remarks	
There will be no change to part numbering. Products converted to copper wire will have date code 2B1 or later.	
15. Customer feedback required latest: (should we receive no feedback; the change will be deemed as accepted!)	This PCN is considered approved, without further notification, unless we receive specific customer concerns before JAN end, 2012 as specified by contract.
16. Approved by:	

Product/ Process Change Notification Customer Approval Form

(Please tick the field what is valid for you!)

<input type="checkbox"/>	We agree with this proposed change and its schedule.
<input type="checkbox"/>	We have objections
<input type="checkbox"/>	We need more information:
<input type="checkbox"/>	We need sample:
Company:	
Name:	
Address:	
Signature:	Date:

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Appendix A

QPCN11033 PARTS LIST

SOT-23	SOT-26
TSM2312CX	TSM6988DCX6
TSM2310CX	TSM9966DCX6
TSM2314CX	TSM3460CX6
TSM2302CX	TSM3462CX6
TSM3400CX	TSM3446CX6
TSM3404CX	TSM3900DCX6
TSM2306CX	TSM3442CX6
TSM2318CX	TSM3424CX6
TSM2N7002KCX	TSM3454CX6
TSM2308CX	TSM3433CX6
TSM2328CX	TSM3443CX6
TSM2323CX	TSM3441CX6
TSM2311CX	TSM3493CX6
TSM2313CX	TSM3911DCX6
TSM2301BCX	TSM3481CX6
TSM2301CX	TSM3455CX6
TSM2307CX	TSM3457CX6
TSM3401CX	SOT-25
TSM2303CX	TSM3461CX5

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Appendix B

Package: SOT-2x

Qualification Result Summary:

NO.	ITEMS	TEST CONDITION	S.S	RESULT (S.S / REJECT)
1	TCT (Temperature Cycle Test)	Cold : -65°C (+0 / -10)°C Hot: 150°C (+15/-0)°C 500 cycles	77	77 / 0
2	HTSL (High Temperature Storage Life)	Temperature: 150°C Duration:1000hrs	77	77 / 0
3	Wire Pull test	>6g	60 wires	60 / 0
4	Ball Share test	>45g	25 wires	25 / 0