

PRODUCT/PROCESS CHANGE NOTIFICATION TO CUSTOMER			
PCN Number:	LNC 090401	PCN Issue Date:	28th Apr' 2009
Contact:	Contact your local LRC Sales Office	Phone:	Contact your local LRC Sales Office
Change Title:	Copper Wire replacing Gold Wire in the SOT23 Packages		
Proposed First Shipping Date :	Aug, 2009		
Samples Availability Date :	May, 2009		
Final conversion date:	Aug, 2009		
Change Category:	Semiconductor assembly – wire bond		
Demand for Change:			
<p>Today's market is driving for lower cost/price, better electrical performance (such as Lower VCEsat) and higher thermal dissipation. Copper wire mechanical properties (vs gold wire) will help to reduce the wire defects (eg. sagging/broken wire) in the plastic package encapsulation too. Copper wire can achieve these while meeting AEC & JEDEC reliability requirements</p>			
Change Description:			
<p>LRC is notifying customers of its use of Copper Wire (in place of Gold Wire) for their SOT23 packages. Discrete products built with general purpose transistor, biased-resistor transistor, schottky diode, and switching diode platforms are represented by this Process Change Notice. The mold compound, die, tin anode and lead frame materials will remain the same. Reliability Qualification and full electrical characterization over temperature to ensure device functionality and electrical specifications are met. Devices listed in this PCN will be converted to Copper wire starting Aug, 2009. Conversion of specific devices will be notified, and devices containing Copper wire can be identified by the date code.</p>			
Anticipated Function & Reliability :			
<p>Reliability testing was performed on qualification chosen based on die size, voltage rating, and run rates, please refer to related reliability report.</p> <p>All of Data are available , and can be provided based upon requirement.</p>			
Affected Device list			
Please refer to the Appedix 1			
Approved by: Raymond Wang		Job Title: QA manager	Date: 2009-4-28

Appendix 1
Affected Product list and Conversion Plan

Affected Device list	Affected Device list	Affected Device list
L1SS181LT1G	L9012SLT1G	LBCW65ALT1G
L1SS184LT1G	L9013QALT1G	LBCW70LT1G
L1SS226LT1G	L9013QLT1G	LBCX19LT1G
LBAL99LT1G	L9013SLT1G	LMBT2222ALT1G
LBAS116LT1G	L9014QLT1G	LMBT2369ALT1G
LBAS16LT1G	L9014RLT1G	LMBT2369LT1G
LBAS20LT1G	L9014SLT1G	LMBT2907ALT1G
LBAS21CLT1G	L9015QLT1G	LMBT3904LT1G
LBAS21LT1G	L9015RLT1G	LMBT3906LT1G
LBAS21SLT1G	LBC807-16LT1G	LMBT4401LT1G
LBAV170LT1G	LBC807-25LT1G	LMBT4403LT1G
LBAV199LT1G	LBC807-40LT1G	LMBT5087LT1G
LBAV70LT1G	LBC817-16LT1G	LMBT5401LT1G
LBAV74LT1G	LBC817-25LT1G	LMBT5551LT1G
LBAV99LT1G	LBC817-40LT1G	LMBT6427LT1G
LBAW156LT1G	LBC846ALT1G	LMBT6429LT1G
LBAW56LT1G	LBC846BLT1G	LMBT6517LT1G
LMBD2836LT1G	LBC847ALT1G	LMBT6520LT1G
LMBD2838LT1G	LBC847BLT1G	LMBTA05LT1G
LMBD3004SLT1G	LBC847CLT1G	LMBTA06LT1G
LMBD6050LT1G	LBC848ALT1G	LMBTA13LT1G
LMBD6100LT1G	LBC848BLT1G	LMBTA14LT1G
LMBD7000LT1G	LBC848CLT1G	LMBTA42LT1G
LMBD914LT1G	LBC850ALT1G	LMBTA43LT1G
CHBAS16SLT1G	LBC850BLT1G	LMBTA55LT1G
L2SA1036KQLT1G	LBC856ALT1G	LMBTA56LT1G
L2SA1036KRLT1G	LBC856BLT1G	LMBTA64LT1G
L2SA1037AKQLT1G	LBC857ALT1G	LMBTA70LT1G
L2SA1037AKRLT1G	LBC857BLT1G	LMBTA92LT1G
L2SA1037AKSLT1G	LBC857CLT1G	LMBTA94LT1G
L2SA812QLT1G	LBC858ALT1G	LSBC847BLT1G
L2SA812RLT1G	LBC858BLT1G	SSBC847BLT1G
L2SA812SLT1G	LBC858CLT1G	CH3904LT1G
L2SB1197KQLT1G	LBCW65ALT1G	MMBT3904HLT1G
L2SB1197KRLT1G	LBCW70LT1G	CH3906LT1G
L2SC1623QLT1G	LBCX19LT1G	MMBT3906HLT1G
L2SC1623RLT1G	LMBT2222ALT1G	L9013PLT1G
L2SC1623SLT1G	LMBT2369ALT1G	L9015HRLT1G
L2SC2411KQLT1G	LMBT2369LT1G	LBCW68GLT1G

L2SC2411KRLT1G	LMBT2907ALT1G	MMBT2222AHLT1G
L2SC2412KQLT1G	LMBT3904LT1G	MMBT4401HLT1G
L2SC2412KRLT1G	LMBT3906LT1G	LMBT5401SLT1G
L2SC2412KSLT1G	LMBT4401LT1G	MMBTA42HLT1G
L2SC3906KALT1G	LMBT4403LT1G	MMBTA92HLT1G
L2SD1781KRLT1G	LMBT5087LT1G	CHBTA42LT1G
L2SD2114KVLT1G	LMBT5401LT1G	LMBT5551SLT1G
L2SD2114KWLT1G	LMBT5551LT1G	LMBT3906ELT1G
L9012QALT1G	LMBT6427LT1G	LMBT3904ELT1G
L9012QLT1G	LMBT6429LT1G	LMBT5401RLT1G
L9012RLT1G	LMBT6517LT1G	LMBT3904SLT1G
LMBTA43LT1G	LMBT6520LT1G	LBC850CLT1G
LMBTA55LT1G	LMBTA05LT1G	LH8050QLT1G
LMBTA56LT1G	LMBTA06LT1G	LH8550QLT1G
LMBTA64LT1G	LMBTA13LT1G	LMBTA92LT1G
LMBTA70LT1G	LMBTA14LT1G	LMBTA94LT1G
		LMBTA42LT1G