



PRODUCT/PROCESS CHANGE NOTIFICATION

PCN IPD-IPC/13/7739
Dated 21 Mar 2013

Voltage Reference, SOT323 Cu Wire Qualification in Carsem Malaysia.

Table 1. Change Implementation Schedule

Forecasted implementation date for change	27-May-2013
Forecasted availability date of samples for customer	14-Mar-2013
Forecasted date for STMicroelectronics change Qualification Plan results availability	14-Mar-2013
Estimated date of changed product first shipment	20-Jun-2013

Table 2. Change Identification

Product Identification (Product Family/Commercial Product)	see attached list
Type of change	Package assembly material change
Reason for change	to improve service to ST Customers
Description of the change	Progressing on the activities related to quality improvement and along the plan of rationalizing the manufacturing processes, ST is glad to extend the implementation of CU Wire for the SOT323 package in the Carsem subcontractor (Malaysia). For the complete list of the part numbers affected by the change, please refer to the attached Products list. Samples of test vehicles TS4436ICT are available right now for immediate customer qualification, while the availability of other samples will be granted upon request.
Change Product Identification	by QA number
Manufacturing Location(s)	

DOCUMENT APPROVAL

Name	Function
Riviera, Antonio	Marketing Manager
Naso, Lorenzo	Product Manager
Spampinato, Sergio Tommas	Q.A. Manager

WHAT:

Progressing on the activities related to quality improvement and along the plan of rationalizing the manufacturing processes, ST is glad to extend the implementation of CU Wire for the SOT323 package in the Carsem subcontractor (Malaysia).

For the complete list of the part numbers affected by the change, please refer to the attached Products list.

Samples of test vehicles TS4436ICT are available right now for immediate customer qualification, while the availability of other samples will be granted upon request.

WHY:

This manufacturing change will improve service to ST Customers, standardize processes for the affected package.

HOW:

The qualification program mainly consists of reliability tests and comparative testing data.

The related reliability report is annexed to this document.

The changes here reported do not affect the electrical, dimensional and thermal parameters of the products, keeping unchanged all information reported on the relevant datasheets.

WHEN:

The implementation will be finalized within May 2013

Marking and traceability:

Unless otherwise stated by customer specific requirement, the traceability of the parts assembled with the new material set will be ensured by the Q.A. number.

The changes here reported will not affect the electrical, dimensional and thermal parameters keeping unchanged all information reported on the relevant datasheets.

There is as well no change in the packing process or in the standard delivery quantities.

Lack of acknowledgement of the PCN within 30 days will constitute acceptance of the change. After acknowledgement, lack of additional response within the 90 day period will constitute acceptance of the change (Jedec Standard No. 46-C).

In any case, first shipments may start earlier with customer's written agreement.



Public Products List

PCN Title : Voltage Reference, SOT323 Cu Wire Qualification in Carsem Malaysia.

PCN Reference : IPD-IPC/13/7739

PCN Created on : 19-MAR-2013

Subject : Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change:

ST COMMERCIAL PRODUCT

LM4041AECT-1.2	LM4041AICT-1.2	LM4041BECT-1.2
LM4041BICT-1.2	LM4041CECT-1.2	LM4041CICT-1.2
LM4041DECT-1.2	LM4041DICT-1.2	TL431ACCT
TL431AICT	TL431CCT	TL431ICT
TS4436AICT	TS4436ICT	

Please Read Carefully:

Information in this document is provided solely in connection with ST products. STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, modifications or improvements, to this document, and the products and services described herein at any time, without notice.

All ST products are sold pursuant to ST's terms and conditions of sale.

Purchasers are solely responsible for the choice, selection and use of the ST products and services described herein, and ST assumes no liability whatsoever relating to the choice, selection or use of the ST products and services described herein.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted under this document. If any part of this document refers to any third party products or services it shall not be deemed a license grant by ST for the use of such third party products or services, or any intellectual property contained therein or considered as a warranty covering the use in any manner whatsoever of such third party products or services or any intellectual property contained therein.

UNLESS OTHERWISE SET FORTH IN ST'S TERMS AND CONDITIONS OF SALE ST DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE USE AND / OR SALE OF ST PRODUCTS INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION), OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

UNLESS EXPRESSLY APPROVED IN WRITING BY TWO AUTHORIZED ST REPRESENTATIVES, ST PRODUCTS ARE NOT RECOMMENDED, AUTHORIZED OR WARRANTED FOR USE IN MILITARY, AIR CRAFT, SPACE, LIFE SAVING, OR LIFE SUSTAINING APPLICATIONS, NOR IN PRODUCTS OR SYSTEMS WHERE FAILURE OR MALFUNCTION MAY RESULT IN PERSONAL INJURY, DEATH, OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE. ST PRODUCTS WHICH ARE NOT SPECIFIED AS "AUTOMOTIVE GRADE" MAY ONLY BE USED IN AUTOMOTIVE APPLICATIONS AT USER'S OWN RISK.

Resale of ST products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by ST for the ST product or service described herein and shall not create or extend in any manner whatsoever, any liability of ST.

ST and the ST logo are trademarks or registered trademarks of ST in various countries.

Information in this document supersedes and replaces all information previously supplied.

The ST logo is a registered trademark of STMicroelectronics. All other names are the property of their respective owners

© 2013 STMicroelectronics - All rights reserved.

STMicroelectronics group of companies

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan -
Malaysia - Malta - Morocco - Philippines - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

www.st.com