



PRODUCT INFORMATION LETTER

PIL IPD-IPC/12/7581
Dated 04 Dec 2012

**VIPER27 product family : metal mask modification for
yield improvement**

Sales Type/product family label	see attached list
Type of change	Product design change
Reason for change	Yield improvement
Description	In order to improve the yield of the VIPER27 product family, we have performed a metal mask modification on the controller UQ77.
Forecasted date of implementation	15-Jan-2013
Forecasted date of samples for customer	27-Nov-2012
Forecasted date for STMicroelectronics change Qualification Plan results availability	31-Dec-2012
Involved ST facilities	Catania M5 (Italy)

DOCUMENT APPROVAL

Name	Function
Sandrini, Francesca Marta	Marketing Manager
Salanitri, Fabio Rosario	Process Owner
Motta, Antonino	Q.A. Manager



WHAT:

We have introduced a minor modification on the controller UQ77, belonging to the MV63 line of the VIPER27 product family listed below.

This modification will not affect any conditions related to form, fit, function, quality and reliability of these products.

Product Line	Commercial product	Package	Packing type
MV63	VIPER27HD VIPER27HDTR	SO 16 Narrow	Tube Tape&Reel
	VIPER27HN	PDIP 7 - MDIP .25	Tube
	VIPER27LD VIPER27LDTR	SO 16 Narrow	Tube Tape&Reel
	VIPER27LN	PDIP 7 - MDIP .25	Tube

WHY:

The change was made in order to improve the testing yield.

The EWS data collected in AMK plant as well as the data of the Final Test in the Back-End plants have confirmed the yield improvement.

HOW:

Through a metal mask change. The changed product will be identified by a new internal part number that will be shown on our standard labels.

WHEN:

The production of the new products is planned to start in Q1/2013, depending on the material availability and customers' volumes. Phase-out and phase-in will be done accordingly.

Samples of the product housed in both packages are available and can be delivered upon request.



Public Products List

PIL Title : VIPER27 product family : metal mask modification for yield improvement

PIL Reference : IPD-IPC/12/7581

PIL Created on : 29-NOV-2012

Subject : Public Products List

Dear Customer,

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

ST COMMERCIAL PRODUCT

VIPER27HD
VIPER27LD

VIPER27HDTR
VIPER27LDTR

VIPER27HN
VIPER27LN

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 AN AUTHORIZED ST REPRESENTATIVE, 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

© 2012 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 - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

www.st.com