



# PRODUCT/PROCESS CHANGE NOTIFICATION

---

PCN APG-BOD/06/2126  
Notification Date 10/24/2006

---

**Double Source of Standard and Matrix Lead-Frame on PSO-36 (Muar).**

**BOD - BODY**

**Table 1. Change Identification**

Product Identification (Product Family/Commercial Product)	PSO-36 products for BOSCH.
Type of change	Package assembly material change
Reason for change	To improve Capability, Service and Quality
Description of the change	In order to improve Capability, Service and Quality: double source of standard and matrix lead-frame had been implemented on PSO-36 package assembled in Muar assembly plant.
Product Line(s) and/or Part Number(s)	See attached
Description of the Qualification Plan	See attached
Change Product Identification	Data-Code
Manufacturing Location(s)	

**Table 2. Change Implementation Schedule**

Forecasted implementation date for change	19-Oct-2006
Forecasted availability date of samples for customer	19-Oct-2006
Forecasted date for <b>STMicroelectronics</b> change Qualification Plan results availability	19-Oct-2006
Estimated date of changed product first shipment	19-Oct-2006

**Table 3. Change Responsibility**

	<b>Name</b>	<b>Signature</b>	<b>Date</b>
Division Product Manager	S.Aparo		Oct.19 ,06
Division Q.A. Manager	E.Parrino		Oct.19 ,06
Division Marketing Manager	A.Russo		Oct.19 ,06

**Table 4. List of Attachments**

Customer Part numbers list	
Qualification Plan results	

-----



Customer Acknowledgement of Receipt		<b>PCN APG-BOD/06/2126</b>
Please sign and return to STMicroelectronics Sales Office		<b>Notification Date 10/24/2006</b>
<input type="checkbox"/> Qualification Plan Denied <input type="checkbox"/> Qualification Plan Approved  <input type="checkbox"/> Change Denied <input type="checkbox"/> Change Approved	Name:	
	Title:	
	Company:	
	Date:	
	Signature:	
Remark ..... ..... ..... ..... .....		



## PRODUCT/PROCESS CHANGE NOTIFICATION<sup>®</sup>

APG - CAR BODY DIVISION – A<sup>2</sup>SSP Business Unit - Catania

**Subject: Double Source of Standard and Matrix Lead-Frame on PSO-36 (Muar).**

**INVOLVED P&L FAMILY: 54**

**WHAT:** Double source of standard and matrix lead-frame had been implemented on PSO-36 package Muar.

**This have no impact in terms of workability, reliability, quality and package outline (POA) characteristics.**

See next pages for lead-frame difference.

**WHY:** In order to improve capability, Service and Quality.

**WHO:** All the BOSCH commercial products in PSO-36.

**WHEN:** The change is already implemented, details are available on demand.

**WHERE:** The plants involved is ST Muar (Malaysia) assembly plant.

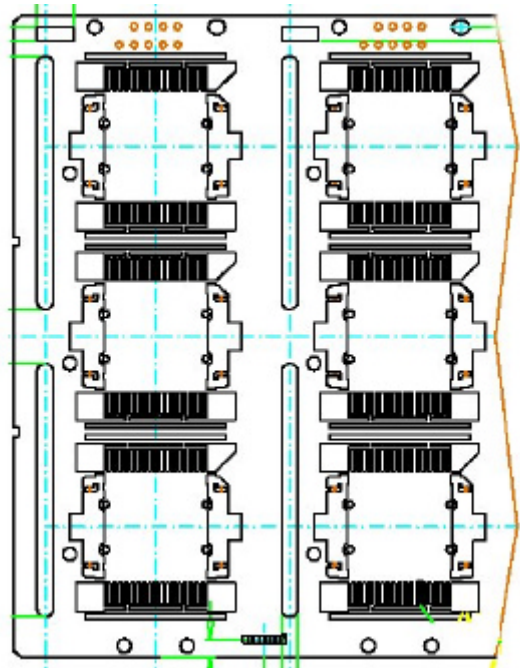
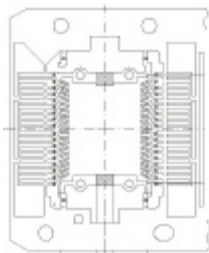


# PRODUCT/PROCESS CHANGE NOTIFICATION<sup>®</sup>

## Lead-Frame Difference

**SINGLE**  
(Standard)

**MATRIX**



INDEXING DIRECTION →

INDEXING DIRECTION →

**10 units strip**

**24 units strip**

**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 REPRESENTATIVE OF ST, ST PRODUCTS ARE NOT DESIGNED, 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.**

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

©2006 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](http://www.st.com)

