



PRODUCT/PROCESS CHANGE NOTIFICATION

PCN IPD-PWR/12/7058
Notification Date 02/01/2012

**New OCR-A marking font for Power MOSFET in TO-220
Package AUTOMOTIVE- Bouskoura (Morocco)**

Table 1. Change Implementation Schedule

Forecasted implementation date for change	25-Jan-2012
Forecasted availability date of samples for customer	25-Jan-2012
Forecasted date for STMicroelectronics change Qualification Plan results availability	25-Jan-2012
Estimated date of changed product first shipment	25-Jul-2012

Table 2. Change Identification

Product Identification (Product Family/Commercial Product)	see attached list
Type of change	Package assembly material change
Reason for change	Improve service to Customers
Description of the change	Marking font of the TO-220 package of Power MOSFET Transistors, manufactured in Bouskoura (Morocco) plant, will be changed from the current OCR-B, to the new OCR-A. This change is in order to unify the marking for all ST manufacturing plants and to be aligned to the Semiconductors WW Standard, defined by SEMI. OCR-A marking font (ISO1073-1: 1976) has been defined by SEMI as the industry standard for all electronics component markings. This font has been designed in a particular way to ease the character recognition of all types of existing Optical Character Recognition machines. All existing similarities between different characters have been removed to prevent possible machine anomalies
Product Line(s) and/or Part Number(s)	See attached
Description of the Qualification Plan	See attached
Change Product Identification	See marking example
Manufacturing Location(s)	

DOCUMENT APPROVAL

Name	Function
Mottese, Anna	Division Marketing Manager
Wilson, Ian	Division Product Manager
Falcone, Giuseppe	Division Q.A. Manager

Dear Customer,

Please be informed that the font used for marking of the TO-220 package of Power MOSFET Transistors, manufactured in Bouskoura (Morocco) plant, will be changed from the current OCR-B, to the new OCR-A. This change is in order to unify the marking for all ST manufacturing plants and to be aligned to the Semiconductors WW Standard, defined by SEMI. 

OCR-A marking font (ISO1073-1: 1976) has been defined by SEMI as the industry standard for all electronics component markings. This font has been designed in a particular way to ease the character recognition of all types of existing Optical Character Recognition machines.

All existing similarities between different characters have been removed to prevent possible machine anomalies.

The involved product series and affected packages are listed in the table below:

Product Family	Package	Commercial Product / Series
Power MOSFET Transistors	TO-220	See Product list

Any other product related to the above series, manufactured in TO-220 package, manufactured in Bouskoura (Morocco), even if not expressly included or partially mentioned in the attached table, is affected by this change.

Qualification program and results availability:

Not applicable for this kind of change.

Change implementation schedule:

The production start and first shipments will be implemented according to our work in progress and materials availability:

Product Family	1st Shipments
Power MOSFET Transistors	From Week 30-2012

Examples:

ABCDEF JHIGKL
MNOPQRSTUVWXYZ
1234567890

Current OCR-B marking font

ABCDEF JHIGKL
MNOPQRSTUVWXYZ
1234567890

New OCR-A marking font

Sincerely Yours



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