

# ST-CMP ORDER FORM FOR ICs MANUFACTURING

For laboratories which are STMicroelectronics partners - version 11 February 2011

CMP RUN:

TOPCELL NAME<sup>(8)</sup>:

PROCESS:

## DELIVERY & INVOICING

CIRCUIT'S PURPOSE:  Education  Research  Industry

INSTITUTION/COMPANY:

DELIVERY TO: Name:

Phone:

Institution/company:

Fax:

Full address (no PO box):

SPECIAL REQUEST ON DELIVERY:  yes  no

If no, circuits will be sent by courier service (UPS, DHL...) with our standard 'invoice for customs' for foreign countries.

INVOICE TO: Name: **Patrick cogez**  
Institution/Company: STMicroelectronics  
Address: 850 rue Jean Monnet  
38926 CROLLES CEDEX  
FRANCE

Email: Patrick.Cogez@st.com

CIRCUIT SIZE IN MICRONS: DeltaX =  
DeltaY =

NUMBER OF PARTS<sup>(1)</sup> Bare dies: Packaged:

### PACKAGE:

Bonding diagram<sup>(2)</sup>:  free  imposed

ids:  removable  sealed

COLOR PLOTS:  yes  no number:

NON-STANDARD DIE THICKNESS<sup>(3)</sup>:  $\mu$

ADDITIONAL SERVICES<sup>(4)</sup>:

### Reserved to CMP & ST

area:

Cost Center:

price:

price:

price:

price:

shipment:

Total:

By signing the present order form, the responsible person accepts the Terms and Conditions that are in <http://cmp.imag.fr/information/terms>

Name and signature of the responsible person:

Name:

date:

signature:

Signature of Patrick Cogez

date:

signature:



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**DON'T SEND THIS PAGE**

**This order form is reserved to circuits that are sent as part of a cooperation between STMicroelectronics and Laboratories.**

**Send it signed by Email to Patrick Cogez with a copy to CMP.**

Only delivery of 25 bare dies is payed out by STMicroelectronics. Additional services like color plots, packaging and additional dies are charged to the designer.

## **RESERVATION REQUEST**

You must send a reservation request **at least one month before the deadline** of the run. Please contact us for the document.

## **PACKAGES**

Packaging service is available if you are following packaging rules of CMP. Prices, list of packages and cavity maps are in:

<http://cmp.imag.fr> -> PRODUCTS -> Packaging Assembly

<http://cmp.imag.fr> -> Packaging list and prices

Contact us for ceramic packages that are not listed, we will check with our subcontractors.

**Contact us for plastic packages.** Small sets of plastic packages are possible. Main packages are SOIC, SSOP, LPCC (leadless), QFP, PLCC and EDQUAD (thermal solution).

**NB: design your pad ring according to the chosen package.**

Packaging rules for plastic are more strict than the ones for ceramic packages.

## **NOTES**

- (1) Default is 25 bare dice.
- (2) Free means that CMP will make a bonding diagram and send it to you for approval. Note that CMP can't make bonding diagrams that do not match the packaging rules. If you make your bonding diagram please clearly identify pad 1 in your circuit (use lettering in a metal layer).
- (3) Standard die thicknesses (T) are as following. You can request a smaller thickness for your application. Contact us for cost and delay.  
STMicroelectronics: 130nm: T= 375µ 65nm: T= 250µ 40nm : T= 250µ
- (4) If you need any other service, contact us for information and we will check if we can provide it.
- (5) The person given on the form under the heading "TECHNICAL ENQUIRIES" must be rapidly available for questions and corrections of the design. The designer is generally the best choice.
- (6) Main format is GDSII. You must contact CMP for agreement if you use another format.
- (7) In our standard design-kits, transistors are removed from layout descriptions of library cells. For circuits designed with these kits, library cells have to be replaced by the full layout version. **You must request replacement** and provide CMP with the list of the used libraries and their versions.  
**NB: names of standard cells are reserved names. Using them for naming custom cell is forbidden otherwise custom cell will be overwritten by standard cell.**  
Example of request of "LIBRARY CELL REPLACEMENT" for a circuit in HCMOS9GP technology:  
IOLIB\_65\_M6\_LL                      version 7.1  
COR9GPLL                              version 4.1
- (8) **Mandatory for ST data base:** maximum size = 8 characters (letters or digits).
- (9) Standard is ftp, contact CMP to get an account and a password. Email transfer without an authorization from CMP is forbidden.