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De: Alexandre Apcher Date: mar. 08/02/2011 11:36
À: Anissa Karray-Kbaier; Aurore Masson; Virginie Duchemann; Patrice Delpy;
Fabien Foulon; Julien Clemens
Cc: Bertrand Clou; Berengere Le Men
Objet : FW: Marsk order checks
Pièces jointes :

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Tous,

Suite a l'erreur de commande de masques sur le NCP2815 (il a été commandé sur GBOM le V3 alors qu'il fallait commander le V4 ce qui rend le produit non fonctionnel) je vous demande a tous **une extrême rigueur et concentration lorsque nous COMMANDONS les masques dans GBOM.**

N'hésitez pas vérifier 2 fois ou a faire vérifier la cohérence de la GBOM et du gds.

Pour les tweaks (c'est le cas pour le 2815) les Stream compare demande une rigueur et une concentration absolue pour bien noter les niveaux modifies.

Des actions sont en cours en Gresham pour améliorer leur flow de traitement des GDS afin que ce genre d'erreur ne se reproduisent plus.

Merci a tous pour votre vigilance a ce sujet.

Alexandre

From: Robert Muller
Sent: Monday, February 07, 2011 8:16 PM
To: Bertrand Clou
Cc: David Price; Alexandre Apcher; Berengere Le Men; Myriam Combes; John Jensen
Subject: RE: Marsk order checks

Hello Bertrand,

Its normal practice for us to run XOR to double check the order against the previous revision. We have in the past notified designers they have missed changed layers, but I somehow missed this on these two parts. Both G0B014B and G0B014C Y07K had the same incorrect via layer specified in the order. I discussed this with my management and we're looking at automating the xor check in our

tapeout flow, making it mandatory. Automation for initial releases, which compares gds layers vs layers in order, is currently being worked on.

Regards,

Robert

From: Bertrand Clou

Sent: Monday, February 07, 2011 9:59 AM

To: Robert Muller

Cc: David Price; Alexandre Apcher; Berengere Le Men; Myriam Combes

Subject: Marsk order checks

Hello Robert,

We have just received the last metal tweak version of the NCP2815 audio IC and it is not functional at all.

This is due to an error we made during the mask order in GBOM : the Via3 layer which is actually not modified has been ordered in place of via4 layer which has been modified and finally not ordered.

Wafers have been then processed with old version of Via4 layer, creating a short circuit.

In order to not repeat same story in the future, just because of a typo, would it be possible to add some cross-checks on your side?

- Full layer pass: check layers between gds delivered and layers ordered in GBOM
- Metal tweak pass: run gds compare between gds delivered and previous one to re-validate the mask order

Thanks to let us know what do you think.

Best regards,

Bertrand