



DELTA CIRCUITS, INC.

Manufacturer of Printed Circuit Boards

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To: Valued and Prospected Customers

RE: RoHS

As we all know July 2006 is getting closer. The European directive RoHS deadline is right around the corner. We want our customers and prospective customers to know Delta Circuits, Inc. is ready.

Currently any printed circuit board that we produce does not contain any mercury, cadmium, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers. Products we produce that are **not** processed through hot air solder level for a final finish will currently meet RoHS' no lead restriction. These products would include those that have electroless nickel immersion gold, electroplated gold, white tin or finishes other than tin-lead solder.

Although we can supply you with a RoHS compliant circuit board today, there would be laminate-based assembly limitations in exposure to high temperatures. It is important to keep in mind that some no lead assembly processes will require the laminate base material to withstand temperatures in excess of 260 degrees C or 500 degrees F. To resolve this, we are adding new high-temperature laminates to our inventory so that our customers will be able to meet the higher temp cycling requirements for some lead free assembly applications.

Regards to pricing increases this will depend on what material and board finish are selected. Delta Circuits offers White Tin, ENIG, Immersion Silver and ENTEK Coating (OSP) as RoHS approved finishes. Depending on what material is selected the price would go up accordingly.

If a customer needs any recommendation on a certain material and finish type we will recommend using FR-406 or equivalent material which is rated at 160 degree Celsius along with the ENIG finish. We think ENIG finish is a more proven process than the other available finishes. The price would increase about 30% for this configuration.

I want to emphasize that the final decision needs to come from the end customer. Delta Circuits, Inc. cannot be held liable for recommendations given for the RoHS directive. We can only give suggestions. We will be happy to supply you with information regarding the material and finishes we carry so that you may make the appropriate decision for your particular design/process types.

If there is any additional information that you may require please call Chris Thompson at 630-876-3000 Ext# 230.

Regards,

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