

# ASIC Redesign on Discontinued Notice

## CUSTOMER INFORMATION

### You've got incomplete documentation, fluctuation of know-how bearer and small quantities?

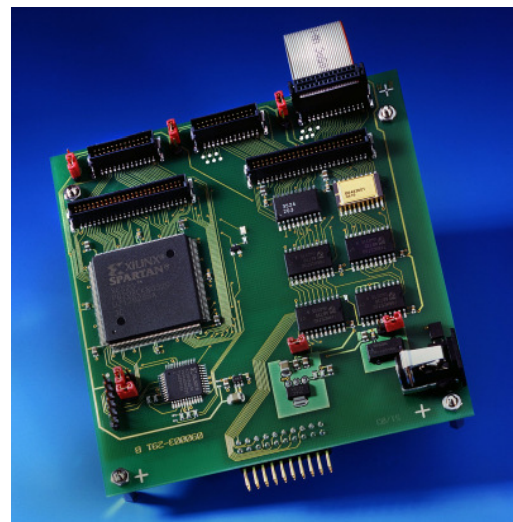
One or more of these are typical problems when an ASIC is discontinued.

### Solution

During recent years, MAZeT has "reanimated" a variety of ASICs, thus helping its customers to keep important products alive.



PCB carrier with CPLD as ASIC replacement



Test board with FPGA, original ASIC and replacement ASIC prototype

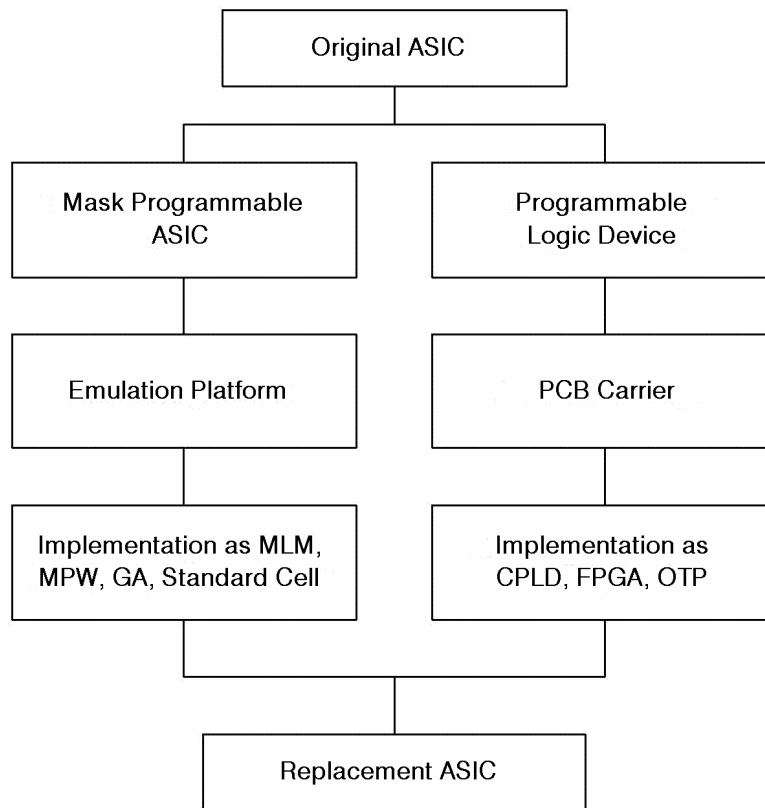
MAZeT uses a field-proven method to meet the requirements of customers who depend on the continued availability of a given important ASIC for further work. Minimisation of actual costs is as much a focal point of such redesign projects as is 100% compatibility in terms of functionality and footprint. During the redesign process, great importance is attached to verification of the design functionality and the engineering samples that are available on completion of design work.

Redesign services for mixed signal ASICs, representing highly demanding challenges in the majority of cases, are as much a part of the MAZeT engineering team's wealth of experience as is the practical implementation of gate arrays of phased-out technology generations or ASICs with an embedded controller and integrated firmware. Digital ASICs are implemented by MAZeT in a technology which will at least remain available for another five years or even longer. Where customers request smallest lot quantities, MAZeT selects a suitable FPGA solution for digital ASICs. To customers requiring standard-cell or full-custom designs, MAZeT provides suitable manufacturing techniques even for small or medium-sized product lots that will pay off for the customer under prototype or commercial conditions.

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### Design Flow



### Prospect

For many ASICs, discontinuation does not necessarily imply the end of their product life cycle. Actually, as a redesigned circuit implemented in a new technology, these ASICs can live on.

Then, profitable products made up of them have a new future ahead.

In addition to offering redesign services, MAZeT supports its customers by assuming responsibility for product delivery and perfective maintenance.

Further information is available on our web site at <http://www.MAZeT.de>  
or from our sales office!