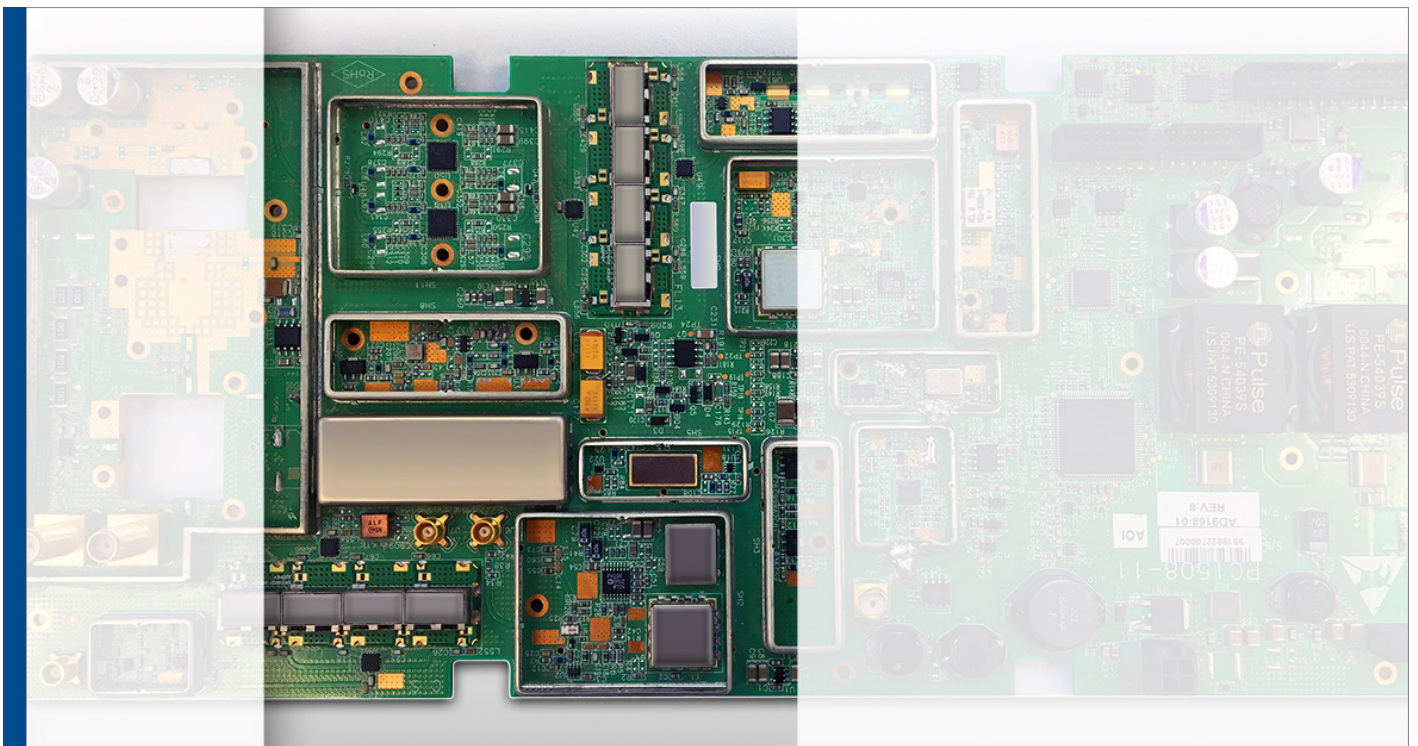


MASACH STANDARD DRAWN EMI/RFI SHIELDS

Optimal solution in complex environments

Case Study by: Oizer Zelwer / CEO



Masach Standard Drawn EMI/RFI Shields / Utmost flexibility in design

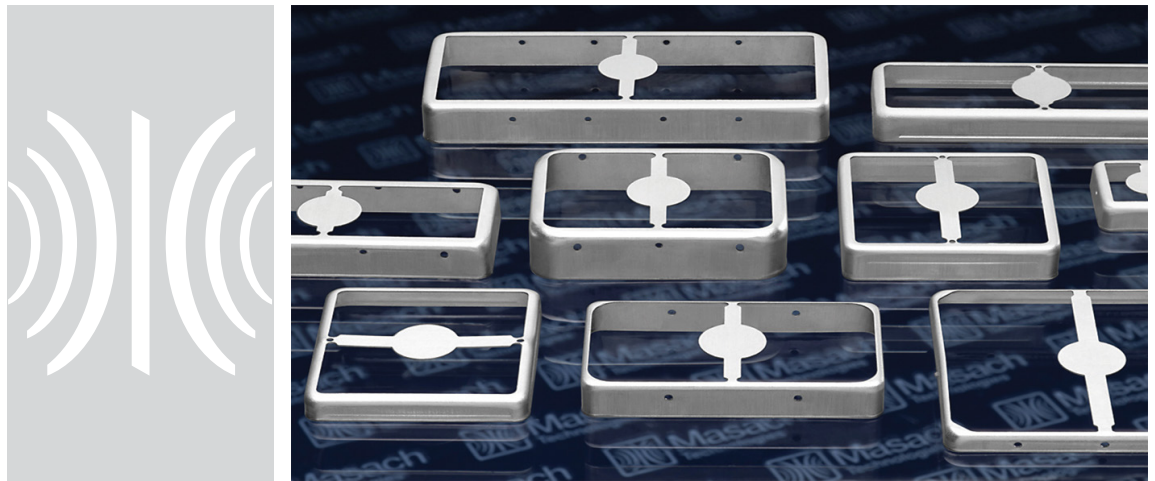


Every now and then an unusual application for EMI/RFI shield configurations can arise which might require some lateral thinking to solve the problem.

The Image above shows an example of a circuit working in a 3.2GHz environment, coupled together with a variety of processing circuitry. In this particular application, engineers needed to isolate discrete processing circuitry from each other and yet maintain a high level of accessibility to each circuit module.

The most efficient mode of isolating modules in a tight circuit would be to design a tuner type integrated shield (multi cavity). The problem with this solution is that partition seams between the circuits would have to be soldered or welded. Furthermore, the cover of an integral shield at such frequencies requires significant contact between partition and screen. These shields yield excellent results in many applications; however in this series of circuits for this particular customer the results were not good enough.

EMI/RFI engineers specified for a shield with absolutely no apertures and with availability of multiple access to each shielded module. This required an extremely easy-to-remove cover for each module that would still provide adequate EMI/RFI integrity when closed.



Masach extensive range of sizes are fully SMT-compatible.



High Performance, Flexible and Cost-Effective EMI/RFI Shields

Masach Technologies offers the utmost flexibility when it comes to standard (off-the-shelf) [EMI/RFI shields](#). Leading the EMI/RFI shielding industry with world's largest range of sizes, Masach offers optimal solution to meet the electronic industries ever growing high frequency and RF applications. Masach shields boast a seamless protective cage, robust construction, optimal planarity and two-piece shield design. With [Masach Technologies](#) you will get to market faster and at lower cost.