

Mezzanine style RTMs, optical detector example

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The MTCA.4 standard uses the concept of industry-generated AMCs and user-generated RTMs to provide economies of scale (for AMCs) and flexibility (via RTMs). For users new to MTCA, the overhead of designing to the RTM standard can be daunting, so a standard RTM accepting user-designed mezzanines has been produced. This first application of this is a collaboration between the University of Oxford, VadaTech Inc. and Etalon AG. The capabilities of the resulting photodetector and signal conditioning unit is presented, together with an overview of the design concepts used.

Primary authors: Prof. REICHOLD, Armin (Oxford University); Mr SHEARER, Ian (VadaTech Ltd)

Presenters: Prof. REICHOLD, Armin (Oxford University); Mr SHEARER, Ian (VadaTech Ltd)

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