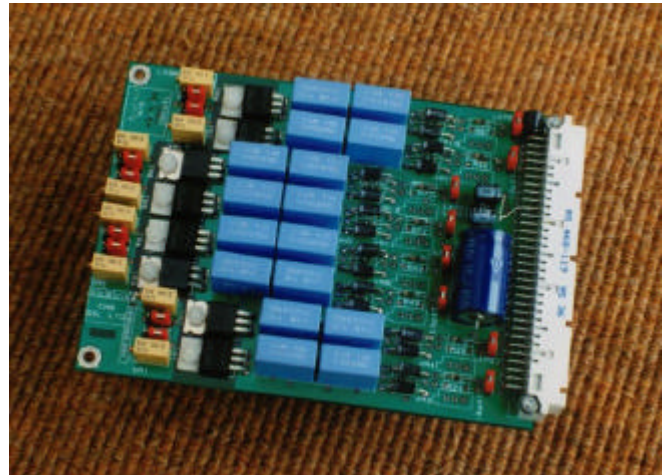


# Ch8 - 8 Channel Pulser/Receiver

## HIGH-SPEED LOW-COST ULTRASONIC INSPECTION AND IMAGING

The Ch8 multi-channel pulser/receiver module is part of a family of arrays and multiplexers which have been designed to address the requirement for rapid, but low-cost, inspection in Non-Destructive Testing.

The 135mm single height Eurocard contains 8 independent wideband pulser/receiver channels each with individual control of gain and damping for matching to individual transducers. A common gain control is also provided to adjust all channels together.



It is ideally suited for use in array and multiplexed transducer systems.

### KEY FEATURES

- Small size 135mm long single height (3U) Eurocard
- Common control Transmit power and Master receive gain
- Individual control Gain, Damping and Pulse width
- High drive Pulse drive (30-1000ns) at up to 350V
- Wide bandwidth Capable of DC to 30MHz
- Gain Range -14dB to +26dB with up to  $\pm 7V$  input handling
- Output Handling  $> \pm 2V$  into  $\geq 500\Omega$
- Expandability Can parallel-up on 4E (0.8") pitch for complex systems
- Customization DSL can design solutions to suit specific applications

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