Services, products and expertise in: Concept, design and manufacturing of electronics and mechatronic systems

Modular Test Interface
Modular Test Interface (example of test set-up for customized power amplifier)

- Back-plane
- Tested board
- Brushless test actuator
- Test interface supply 5 [Vdc] (USB)
- Analogue and digital I/O to test measurement equipment as oscilloscope, high-precision voltmeter, ammeter etc.

Modular test interface
Analogue and digital I/O interfaced to tested unit
Enable switch
Different configurations

Analogue and digital I/O to test measurement equipment as oscilloscope, high-precision voltmeter, ammeter etc.
Modular Test Interface including common probes as current, voltage etc.

Furthers:
- **Modular** design allowing different and customized configurations
- **Extension and customizing** facilities
- **Galvanic isolation** between tested and measure equipment
- Common supply including USB
- High performance and enhanced **thermal** stability components (avionic, automotive etc.)
- Design and manufacturing following **IPC** requirements
- Gain and drift **adjustment** possibilities

Applications:
- **Cost effective** test set-up
- **Educative** set-up to practice: sensor’s adjustment, calibration, different sensor’s technologies and their performances.
Modular Test Interface (application)

Tested elements

NI RIO

dSpace

High precision test instrument
Modular Test Interface (dis-assembled)