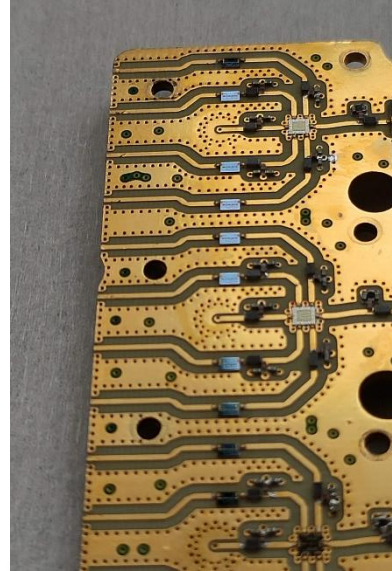# SWITCHING MATRICES

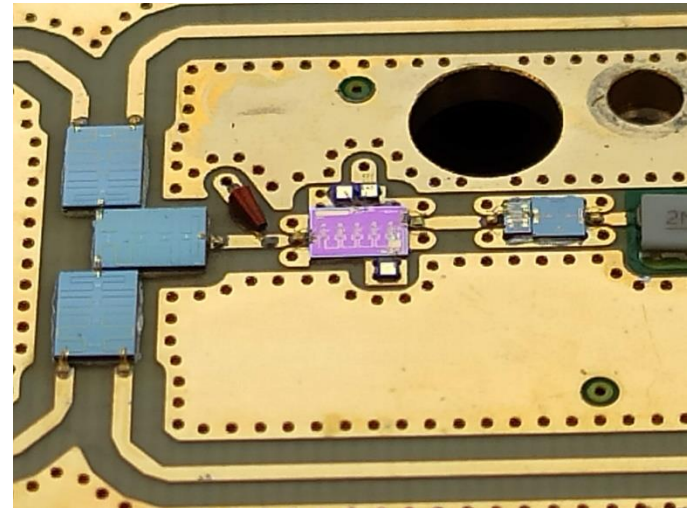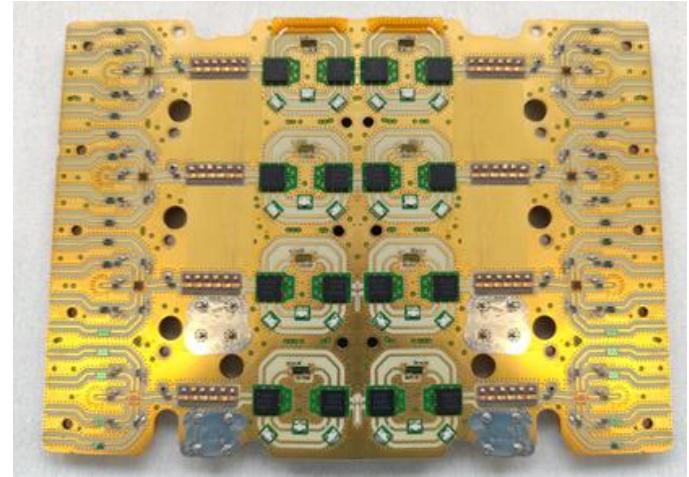# ERZIA SWITCHING MATRIXES

✓ **ERZIA Switching Matrices**

    ✓ Common Highway

    ✓ Full access

        ✓ Blocking

        ✓ Non-blocking

    ✓ Mixed types:

        ✓ Random combinations of previous topologies

✓ **ERZIA Switching Matrices**

    ✓ Based on solid state switches

    ✓ Fast switching speeds

    ✓ Fully custom

    ✓ High level of integration

    ✓ Additional specs per every channel:

        ✓ Variable gain, phase adjustment...

    ✓ Typical applications:

        ✓ EW

        ✓ Test Systems

    ✓ Typical enviromental specs:
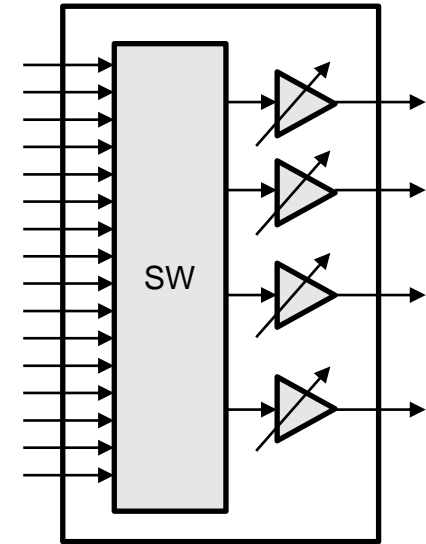
        ✓ Airborne systems

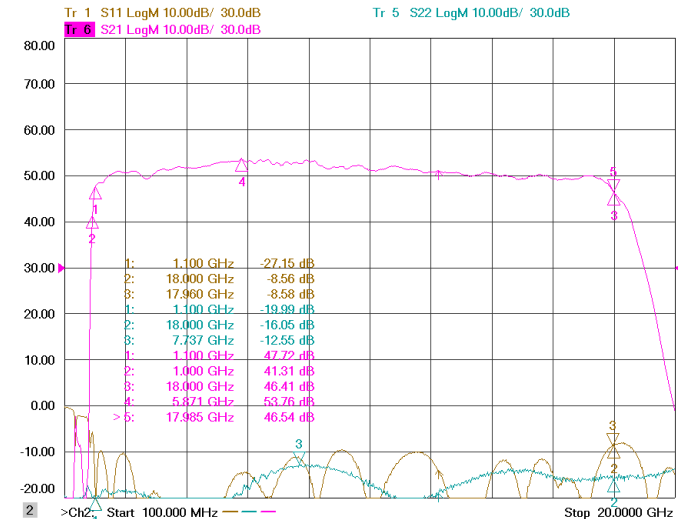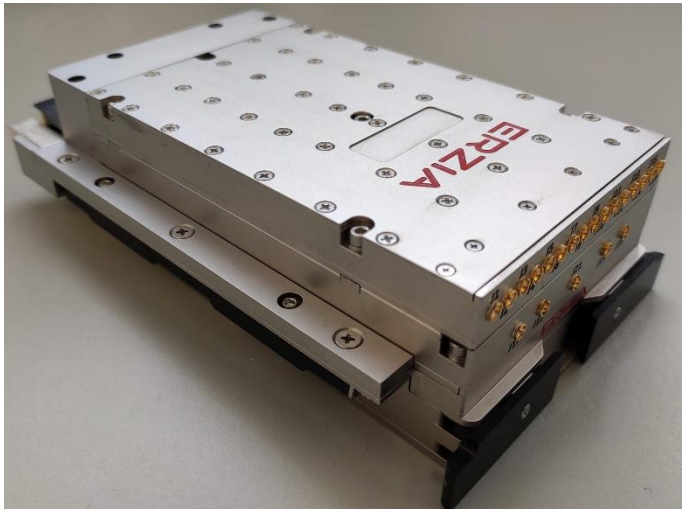ERZIA

Switching Matrix Examples (I)

✓ **Highlights**

    ✓ 16 inputs – 4 outputs

    ✓ EW application

    ✓ Built in Test for all combinations

    ✓ Independent gain control per each channel

    ✓ 100% Solid State Technology

    ✓ Fast switching time < 1 us
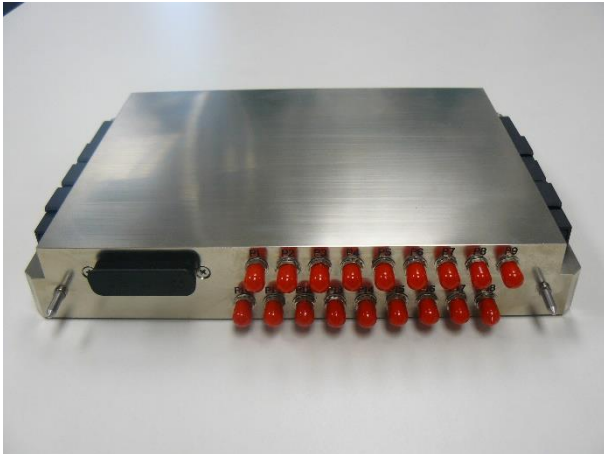
    ✓ Enviromentally Qualified

General Block Diagram

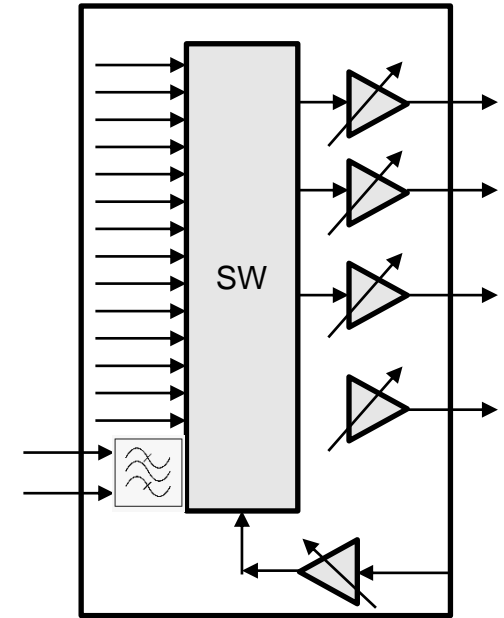Example of 1 channel

ERZIA

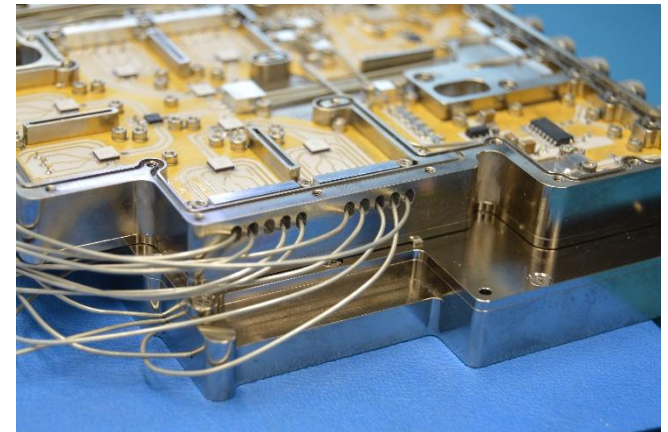# Switching Matrix Examples (II)

✓ **Highlights**

- ✓ 16 inputs – 4 outputs
- ✓ Different frequency channels
- ✓ EW application
- ✓ Built in Test for all combinations
- ✓ Independent gain control per each channel
- ✓ 100% Solid State Technology
- ✓ Fast switching time < 1 us
- ✓ Enviromentally Qualified

General Block Diagram

Internal detail of the Assembly

ERZIA

ERZIA