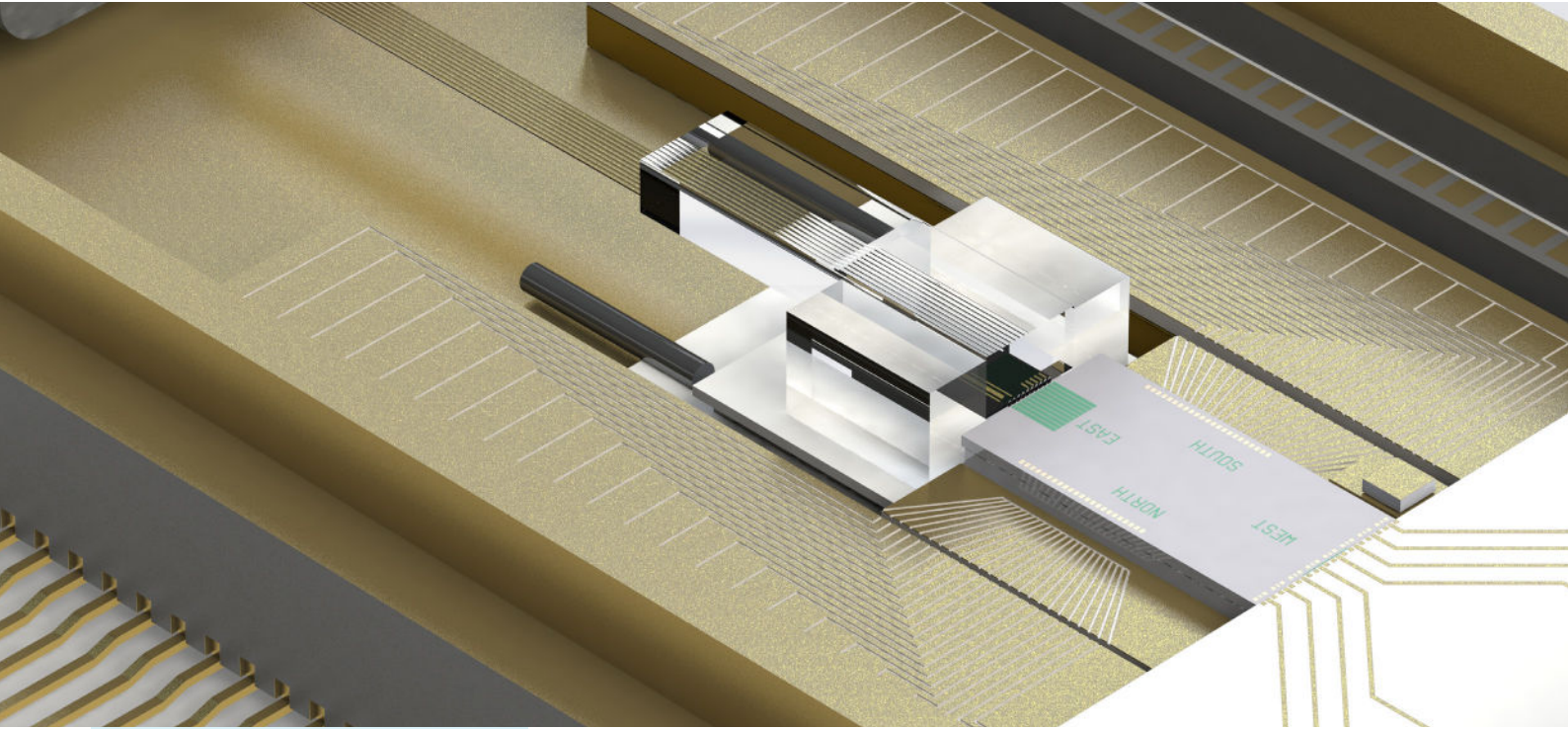


RF PIC EVALUATION WITH RFCONNECT



AT A GLANCE

A compact RF PIC assembly for fast and convenient prototype development up to 40 GHz.

Features

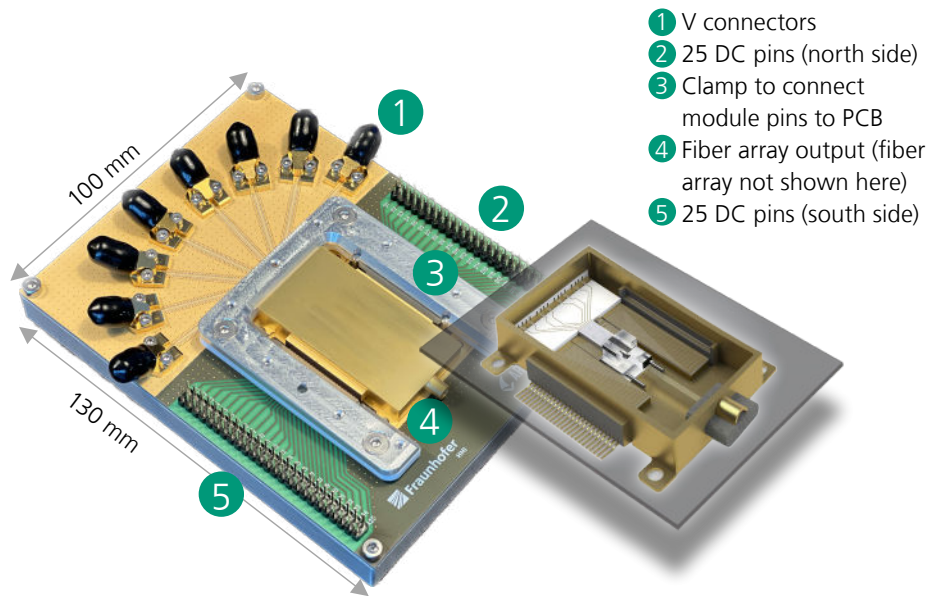
- 8 RF I/O ports
- 8 optical I/O ports
- 42 DC I/O ports
- Therm. controllable
- Lid cover available

Applications

- controlling PICs for telecom applications, signal processing, signal generation and more
- enabling fast prototype development
- replacing expensive lab equipment
- overcoming manual electrical probing and optical coupling
- standardizing measurements

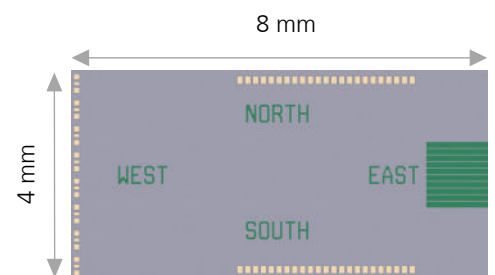
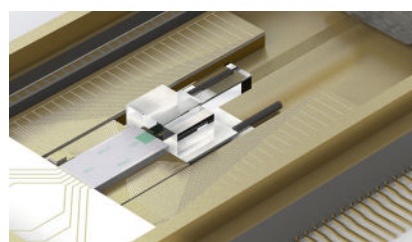
Technical Background

RFconnect, Fraunhofer HHI's fiber coupled RF PIC assembly, states a compatible expansion of the already established DC multisource PICconnect. The thermally controllable assembly with 8 RF & optical ports and 42 DC ports facilitates the connection of RF measurement equipment.



- ① V connectors
- ② 25 DC pins (north side)
- ③ Clamp to connect module pins to PCB
- ④ Fiber array output (fiber array not shown here)
- ⑤ 25 DC pins (south side)

RFconnect Evaluation Board with clamped module including the PIC



Packaged PIC with RF, DC and fiber coupling (left), RFconnect PIC design template (right)

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Expansion Board to connect HHI's DC multisource **PICConnect Mainboard**