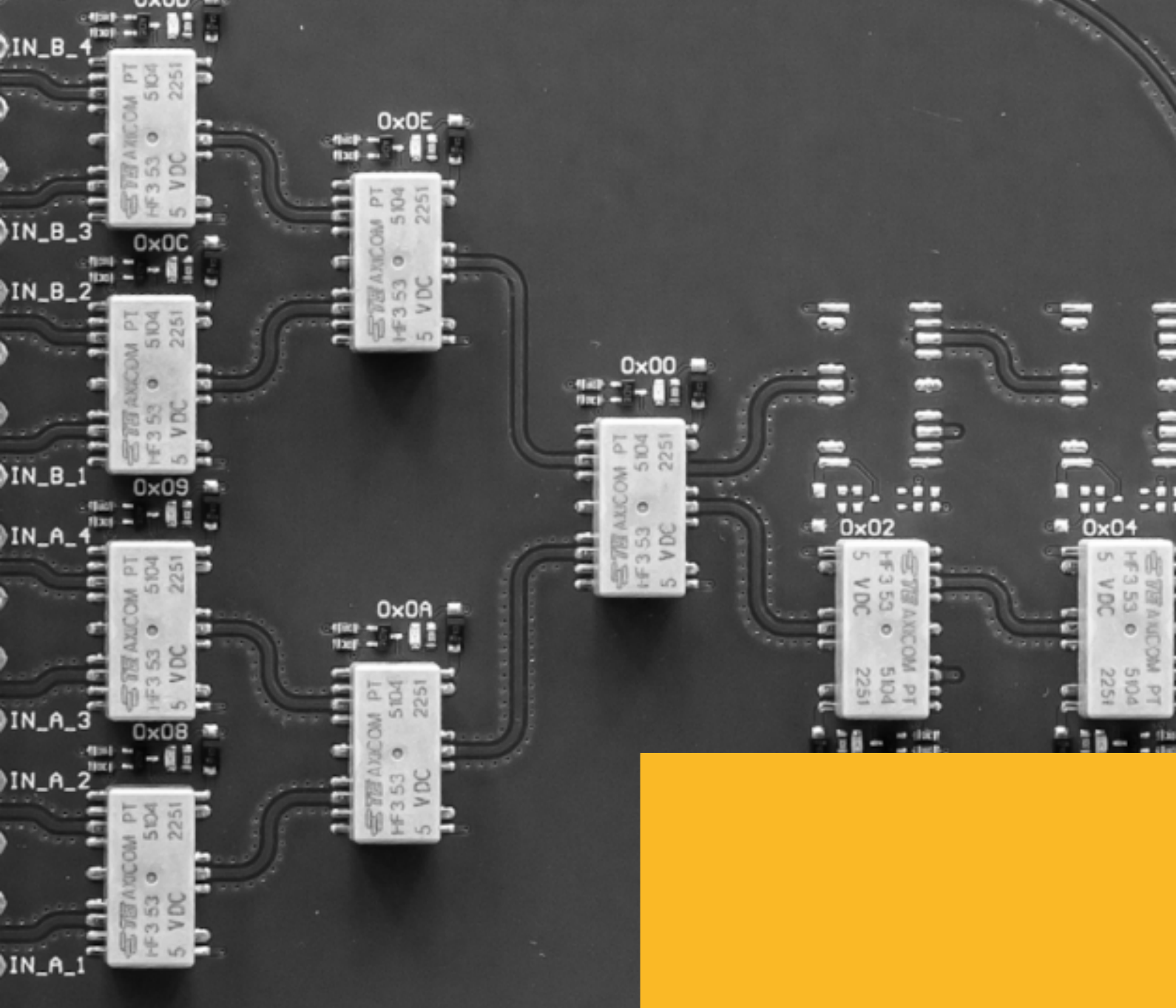




HF Multiplexer - 1x 1to8

26.08.2025 v1.3



PRODSP
TECHNOLOGIES

Intended use - HFMUX - 1x 1to8

This card is intended to **multiplex one RF input to 8 different outputs**. The board is designed for high frequency small signal measurements. On the front there are 9 MXC type connectors to accommodate this functionality.

The board is designed in a tree structure, so only one output can be active at a time. This approach is advantageous in RF signalling, because this way we can minimize the reflections and impedance mismatch in our test system.

The signal path can be used in both directions, so it is possible to use the card as an eighth input one output multiplexer. This configuration may be used when multiplexing oscilloscope inputs onto more test points.

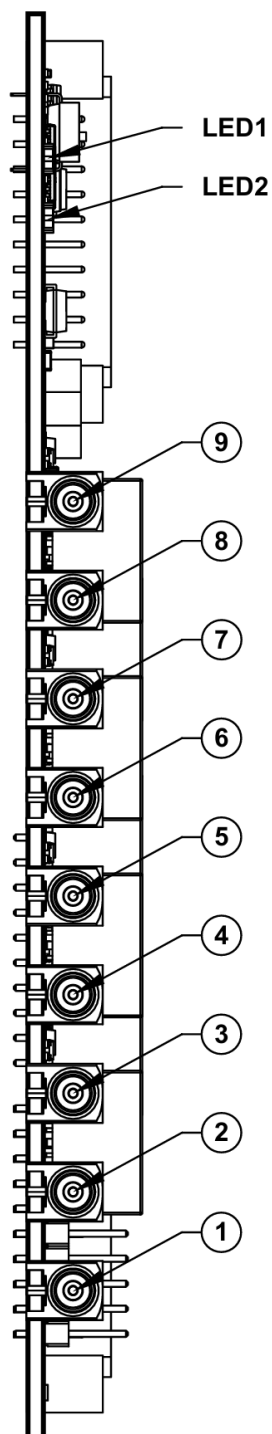


Electrical specification

Parameter	Symbol	Max	Unit
Bandwidth (-1dB)	BW	460*	MHz
Voltage between any front panel pins	Vpdiff	60	V _{DC}
Voltage on front panel pin to chassis	Vpc	50	V
Switchable RF power	Psw	20	W

*Including DC

Card pinout



Connectors (Counterpart: MCX1121A1-3GT30G-5-50)

Connector No.	Channel
1	Output A
2	Input A1
3	Input A2
4	Input A3
5	Input A4
6	Input A5
7	Input A6
8	Input A7
9	Input A8

LED1: Indicates that the board is powered on

LED2: Indicates active communication to the board