

OP5969-2 Fiber Optic Connector

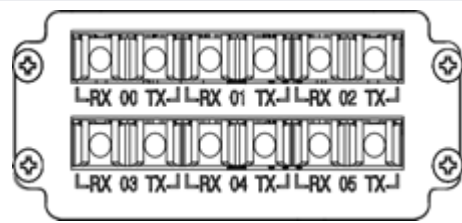


The OP5969-1 is an I/O expansion option available for the OP4510, OP4512, and OP4610XG simulators and also for the OP4520 I/O expansion unit. The I/O Expansion connects to the rear-interface of the simulator and provides **6x fiber optic connector pairs (input and output)**. **6 fiber optic inputs** and **6 fiber optic outputs** can be used for **digital I/Os** or for **low-speed communication protocols**. The **ORION protocol**, developed by OPAL-RT, is compatible with these channels and available in custom bitstreams.

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General Pin Assignments

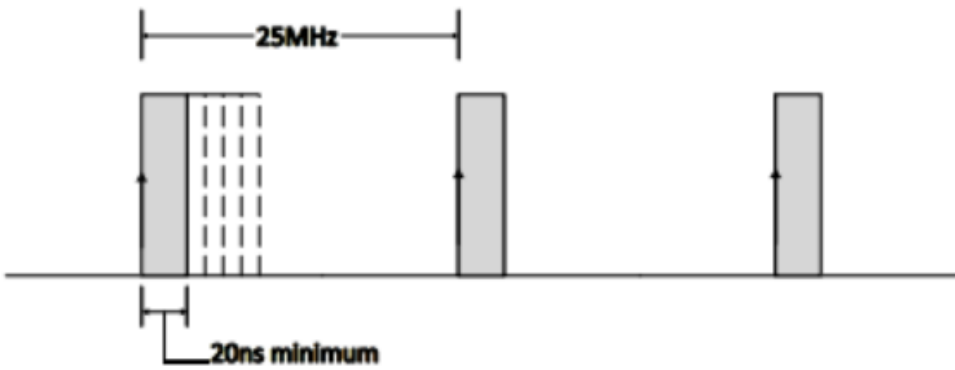
OP5969-2 Pin Name	Signal Name
RX XX	Channel XX Receiver
TX XX	Channel XX Transmitter



Specifications

Number of channels	6 transmitters, 6 receivers
Receiver Type	AFBR-2624Z PIN diode
Transmitter Type	AFBR-1624Z 650 nm wavelength
Connector Type	Avago's Versatile Link family
Compatible Fiber Type	Plastic Optical Fiber (POF), 650 nm
Maximum Tx/Rx Frequency	DC - 25 MHz
Baud Rate	50 Mbps
Minimum Tx Pulse Width	20 ns
Maximum Distance	50 meters

High Pulse
example



Low Pulse
example

