

# Shielded Multiport

## Features & Benefits

- High performance signal isolation
- Integrated EMI Shielding
- Prevents Crosstalk

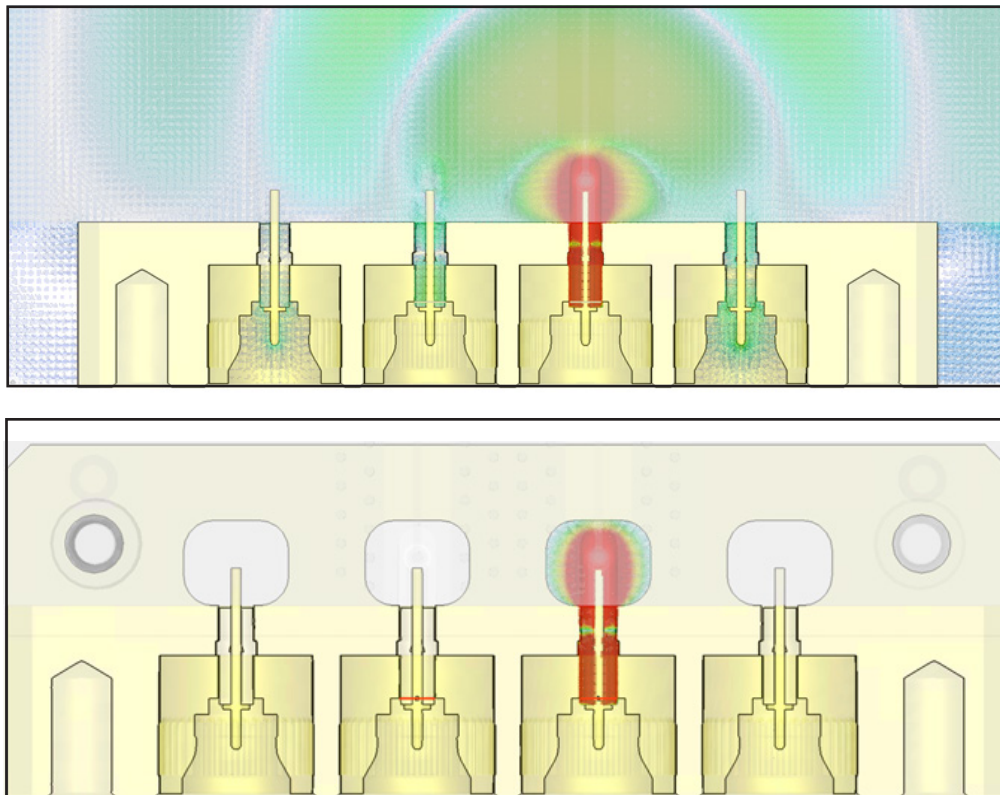
## Applications

- Small form factor box builds
- EMI Noise Sensitive Equipment
- High Density Solutions

## How to solve crosstalk in RF Multiport connectors

When EMI is considered a critical design constraint, custom and expensive solutions such as conductive and liquid gaskets are required to prevent crosstalk and mitigate the negative effects of EMI.

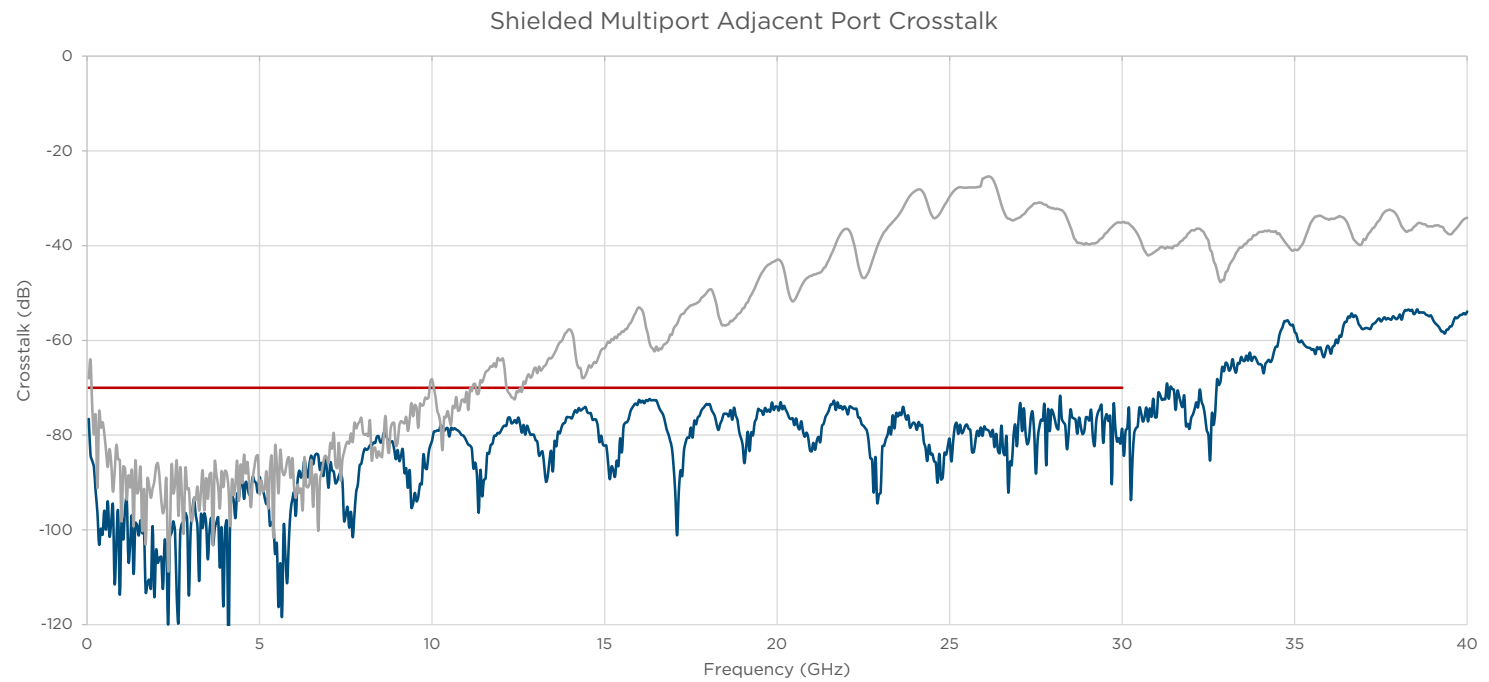
SV Microwave Shielded Multiport connectors, in conjunction with a PCB footprint layout provided by SV Microwave, provides a built-in EMI shielded connector that gives up to 70 dB of crosstalk isolation. These connectors prevent signal interference by isolating each of the different RF channels which is critical in sensitive electronics.



**Figure 1:** A Shielded Multiport (bottom) provides clear crosstalk isolation as compared to a standard multiport (top).

## Electrical Performance

The plot below shows the difference between a shielded and non shielded multiport SMPM connector



SV Microwave Shielded Multiport connectors provide the shielding required in the connector, but there are other steps to take to ensure your system is properly EMI shielded. It is critical to partner with SV Microwave to develop an optimized PCB footprint that will allow these connectors to work as well as they should.

Please reach out to [applications@svmicro.com](mailto:applications@svmicro.com) to work with an engineer to optimize your solution.

Part Number	Description/Name
9311-60343	SMPM Male PCB Edge Launch Connector, 4 Port (Shielded), SB
9311-60344	SMPM Male PCB Edge Launch Connector, 4 Port (Shielded), FD
9311-60341	SMPM Male PCB Edge Launch Connector, 2 Port (Shielded), SB
9311-60342	SMPM Male PCB Edge Launch Connector, 2 Port (Shielded), FD
3211-60468	SMPM Male PCB Edge Launch Connector, (Shielded), SB
3211-60469	SMPM Male PCB Edge Launch Connector, (Shielded), FD