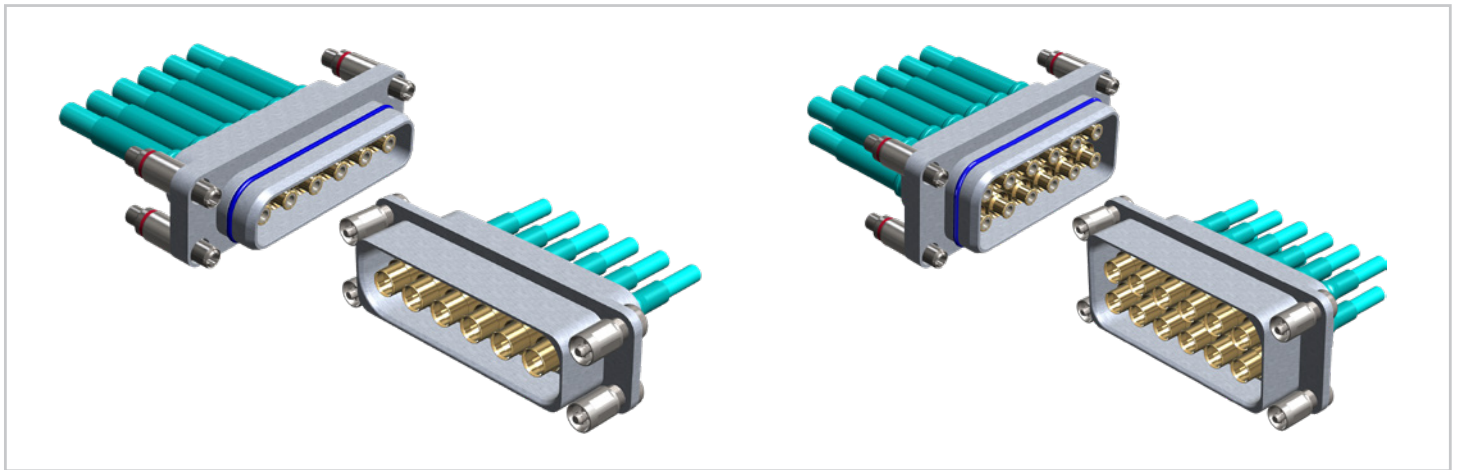


## Multiport Quick-Connect Harness With Push-On Type RF Interface



Left: 6-Way Multiport Quick-Connect Push-On (SMP) Plug & Receptacle

Right: 12-Way Multiport Quick-Connect Push-On (SMP) Plug & Receptacle

### INTRODUCTION

Our Multiport Quick-Connect Harness with push-on type RF interface is designed to reduce time and cost for the integrator without impacting reliability or performance. And like heritage single-point threaded interfaces such as SMA and SMK, the Multiport Quick-Connect Harness supports the same critical operating frequencies, return loss and RF shielding specifications.

We also offer:

- » Push-on male and female connector interfaces per MIL-STD-348
- » Modular and configurable housings based on the preferred push-on type interface
- » Controlled 1/4-turn quick connect with visual lock/unlock indicator
- » Field-replaceable cable assemblies with extraction tool
- » Full range of UTiFLEX®/UTiPHASE™ cable diameters, allowing for varying insertion loss performance
- » Heat-shrink reinforcement with integration indicators and build-to-print labeling
- » Design flexibility to support 2x – 12x transmission paths

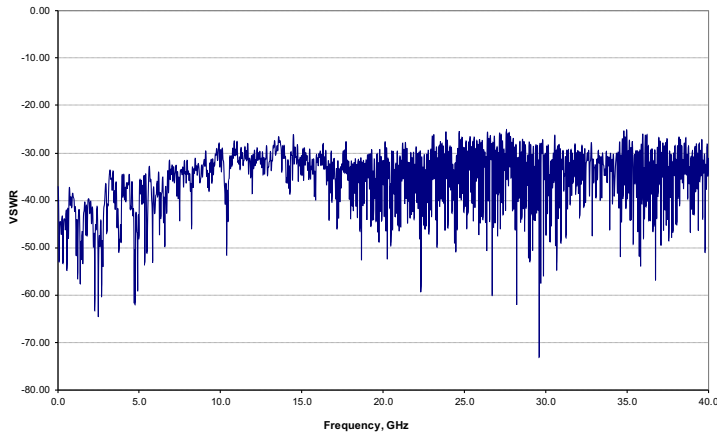
FEATURES	BENEFITS
40 GHz operation	• A single configuration to address all satellite communication bands
19 dB return loss and -80 dB RF shielding	• Offers the same high-performing RF output as single-point SMA and SMK interconnects
Spring-loaded, locking, 1/4-turn fastener with visual lock/unlock indicator	• Removes the need for controlling wrench torque and securing coupling nuts with epoxy
Flight, TVAC, and T&M availability	• No change in performance, whether it be a fully-rated space flight model or test and measurement harness

# Multiport Quick-Connect Harness With Push-On Type RF Interface

## PERFORMANCE

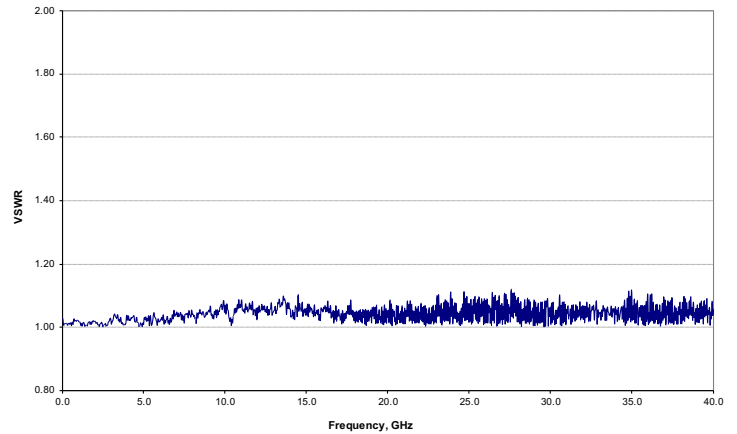
**S11 Return Loss**

MCJ142, 60-inch Harness, Multiport SMP Male to SMK Male



**S11 VSWR**

Complete Path: Mated Multiport SMP-m/f to SMK Male



**8-Way Multiport SMP Harness Shielding Effectiveness (Mode Stir Test Method)**

