

HIGH-PERFORMANCE TEST ASSEMBLIES TO 70 GHz

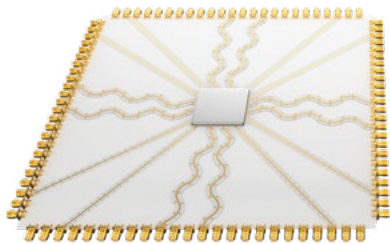
FEATURES & BENEFITS

The high-density array designs and advanced cabling solutions within Samtec's Bulls Eye® product family support test and measurement applications to 70 GHz.

- Compression interface to the board provides easy on/off and eliminates soldering costs
- High-density, space-saving design
- Enables smaller evaluation boards and shorter trace lengths
- Installation: while the attach process for each series is similar, each have unique specifications that need to be observed



Traditional with SMAs




Bulls Eye®



HIGH-DENSITY & SPACE-SAVING

Enables smaller evaluation boards and shorter trace lengths.

PRODUCT FAMILY CROSS REFERENCE GUIDE

ASSEMBLY	70 GHz	50 GHz	40 GHz	20 GHz	
End 2 Connectors	1.85 mm	2.40 mm (50 GHz)	2.92 mm (40 GHz)	2.92 mm (2 Row)	2.92 mm (4 Row)
Samtec Series	BE70A	BE40A		BDRA	BQRA
Cable Type	.086	MWC-2350CU-01		MWC-2350-01	
Cable Management	Yes				
PCB Transmission	Microstrip or Stripline			Stripline	
Design	Spring-Loaded Contact; 360° Grounding 	Pogo-Pin for Signal & Ground 	Fixed-Pin for Signal; Elastomer & Block for Ground 		
No. of Positions	2x 3, 4, 6, 8, 10, 12, 14, 16			2x 12	20
Impedance	50 Ω				
FPGA Development Kit		Xilinx® Zynq® UltraScale+™ RFSoc ZCU1275			Xilinx® Virtex® UltraScale™ FPGA VCU110