



TEST & MEASUREMENT

OPTIMIZED PERFORMANCE TO 130 GHz **BULLSEYE**[®]
TEST POINT SYSTEM



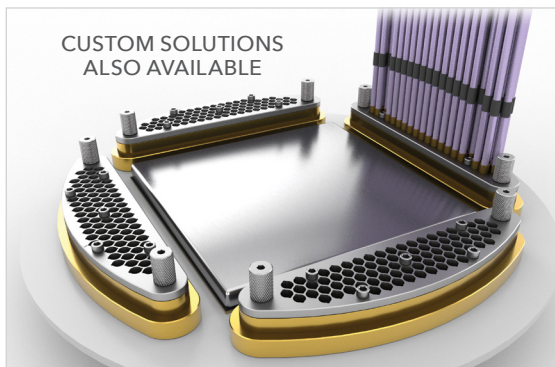
DC TO
130
GHz

448
Gbps

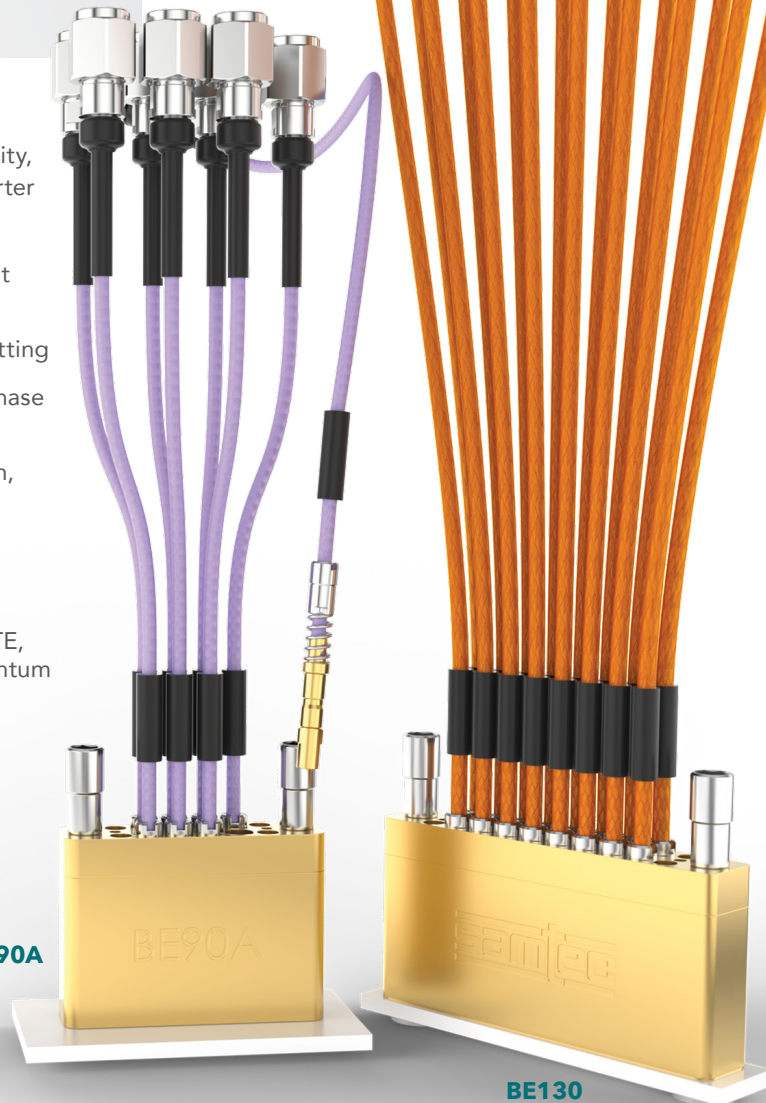
Bulls Eye[®] High-Performance Test

The Bulls Eye[®] high-performance test assembly features a high-density, space-saving design that enables smaller evaluation boards and shorter trace lengths in test and measurement applications to 130 GHz.

- Compression mounts to the board for placement directly adjacent to the SerDes being characterized
- Solderless design improves cost and is easy to use within a lab setting
- Microwave cable assemblies: .047" and .086", and Nitrowave[™] phase and amplitude stable in distinctive Samtec orange
- End 2 connection to instrumentation: 1.00 mm, 1.35 mm, 1.85 mm, 2.40 mm or 2.92 mm
- High-density, space-saving design
- Single row or double row
- Applications: High-speed digital test, SerDes characterization, ATE, high-density multi-port panel and I/O connections including Quantum Computing racks, or high-density cable-to-board



BE90A



ASSEMBLY	130 GHz	90 GHz	71 GHz	70 GHz	50 GHz	40 GHz
Block Bottom View						
SerDes Characterization	448 Gbps PAM4	448/224 Gbps PAM4	224 Gbps PAM4	112 Gbps PAM4	56 Gbps PAM4	
Phase Matching	0.5 (half) ps	1, 2 or 5 ps	0.5 (half), 1, 2 or 5 ps	2 or 5 ps	2 or 5 ps	
End 2 Connector	1.00 mm	1.00 mm; 1.35 mm	1.85 mm	1.85 mm	2.40 mm	2.92 mm
Cable Type	High-Performance Nitrowave™	.047	High-Performance Nitrowave™	.086	MWC-2350CU-01	
PCB Transition	Microstrip/CPW or Stripline					
Bulls Eye® Connector Design	Spring-Loaded Contact; 360° Grounding				Pogo-Pin for Signal & Ground	
Number of Rows/Positions	1x: 2, 4, 8, 12 2x: 4, 8, 12, 16		2x: 4, 8	1x: 2, 4, 8, 12 2x: 3, 4, 6, 8, 10, 12, 14, 16		2x: 3, 4, 6, 8, 10, 12, 14, 16
Impedance	50 Ω					
Series	BE130	BE90A	BE71A	BE70A	BE40A	


130 GHz ASSEMBLIES WITH NITROWAVE™ CABLE

BE130	TRANSMISSION TYPE	END 2	PHASE MATCH (RANGE)	2	POSITIONS PER ROW	OVERALL LENGTH
	-S = Stripline -M = Microstrip	-10SP = 1.00 mm Straight Plug	-1 = 1.0 Pico-second -2 = 2.0 Pico-seconds -5 = 5.0 Pico-seconds -N = No Phase Matching		-04, -08, -12, -16	-“XXXX” = Overall length in millimeters -0070 (070 mm)3.0315" minimum

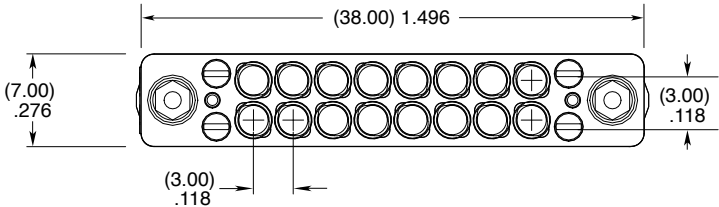
DC TO
130
GHz

448
Gbps

BE130
End 2 Connectors:
1.00 mm (130 GHz)



PRELIMINARY



Footprint

8 POSITIONS PER ROW SHOWN