

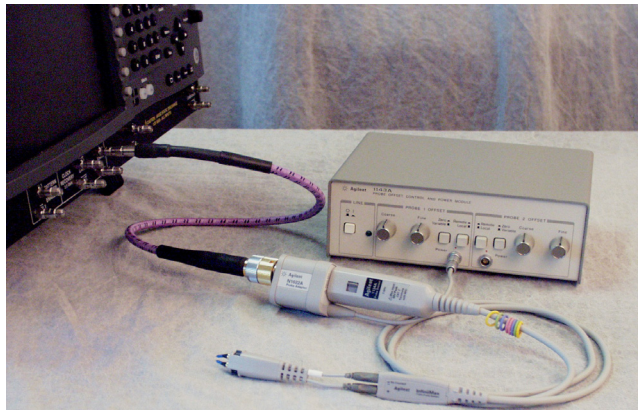
WAVECREST Probing Solutions

High Bandwidth Probe Solutions for the SIA-3000

Two types of high bandwidth probing solutions are available for the SIA-3000, an active differential probe and a passive resistive divider probe. The active differential probe solution consists of the Probe amplifier, Probe adapter, Probe offset and power module, adapter cable and one or both of the Differential browser and Single ended probe heads. Purchase the Adapter cable (WAVECREST part# 030604-00) from WAVECREST and the other components from vendors such as Agilent.

Active differential Probe Solution

Description	Manufacturer's part #	Performance
WAVECREST components		
Adapter Cable: 3.5mm pin to ruggedized 3.5mm connector	WAVECREST 030604-00	18GHz bandwidth
Other vendor components		
Probe amplifier	Agilent 1134A	7 GHz
Probe Adapter	Agilent N1022A	
Probe offset control and power module for up to two probes	Agilent 1143A	
Individual Probe Heads		
Differential Browser Probe	Agilent E2675A	6GHZ, 0.32pF, 50kΩ (differential) 6GHZ, 0.57pF, 25kΩ (single-ended)
Single ended or differential socket probe head	Agilent E2678A	7GHZ, 0.34pF, 50kΩ (differential) 7GHZ, 0.56pF, 25kΩ (single-ended)
Probe Positioner	Cascade Microtech EZ-Probe or Agilent E2654A	



Setup showing the active differential probe solution. Picture at left shows Agilent part numbers; 1134A, E2675A, N1022A, 1143A and WAVECREST part number 030604-00.



WAVECREST
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Passive Resistor Divider Probe Solution

Description	Manufacturer's part #	Performance
Passive divider probe kit	Agilent 54006A	6GHz bandwidth, 0.25pF input capacitance, 10:1 and 20:1 divider