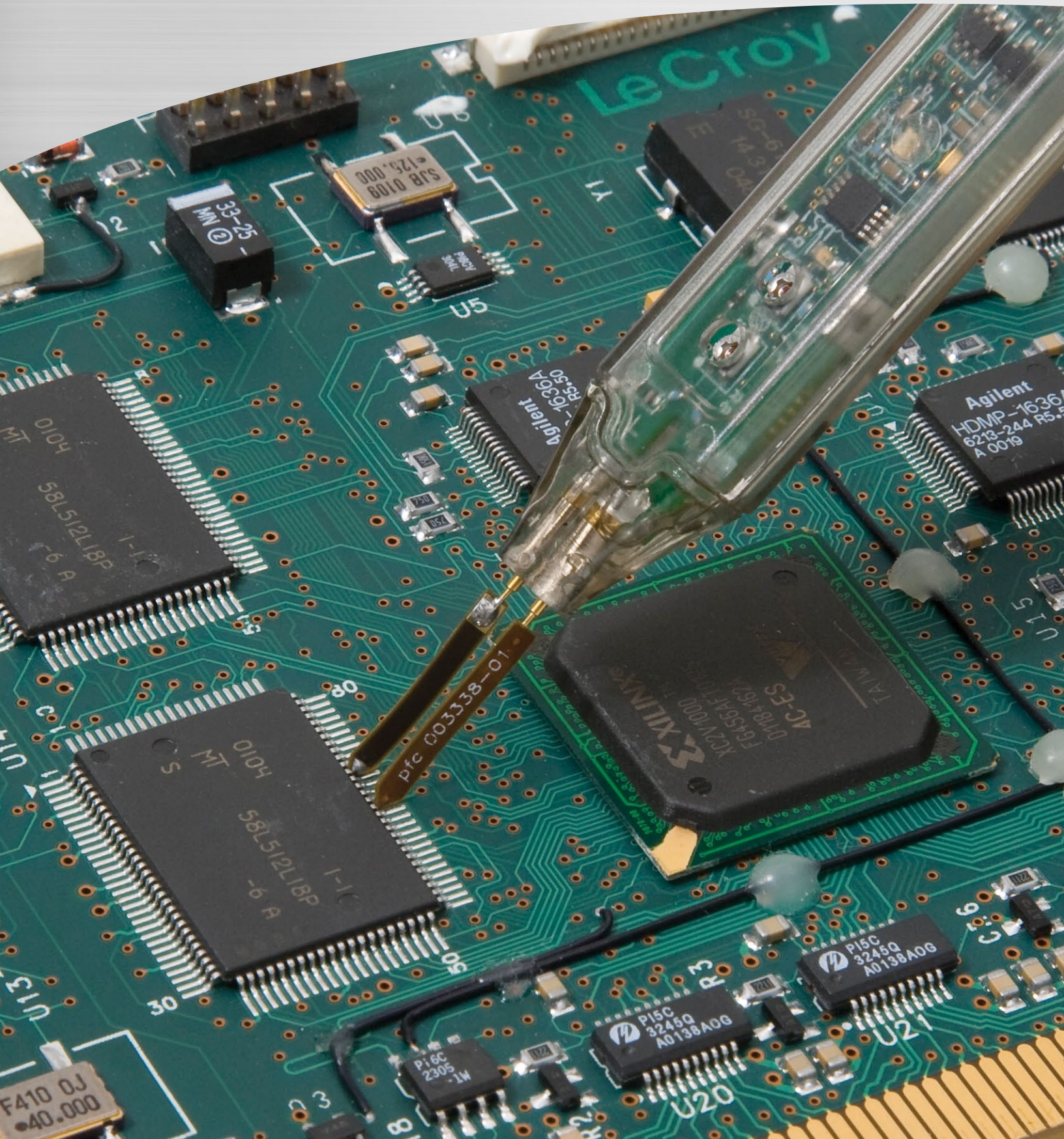




ZD Series Active Differential Probes

1.5 GHz, 1 GHz, and 500 MHz



2D SERIES ACTIVE DIFFERENTIAL PROBES

Fully Integrated

Wide Dynamic Range

Wide Applications

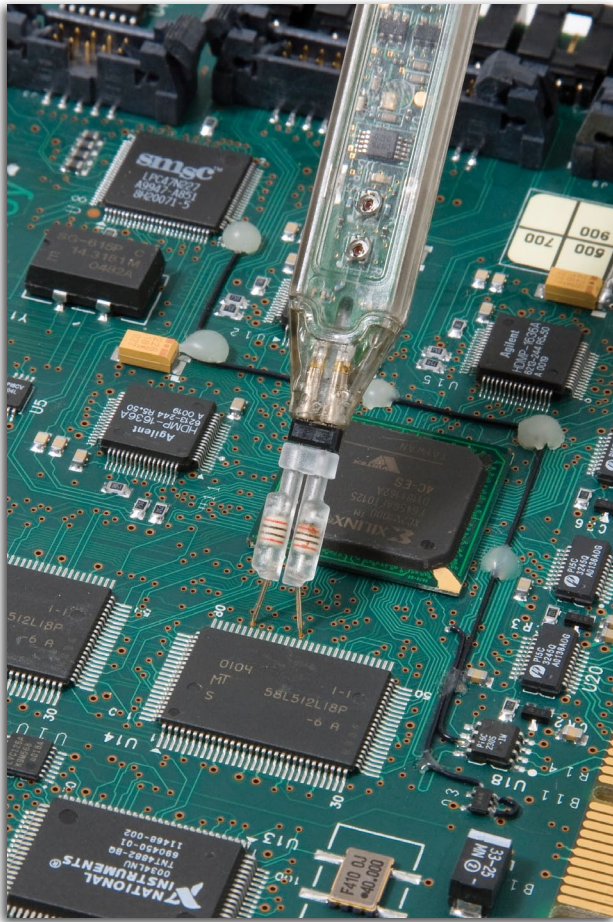
[illegible]

A Variety of Probe Tips for Varied Tasks

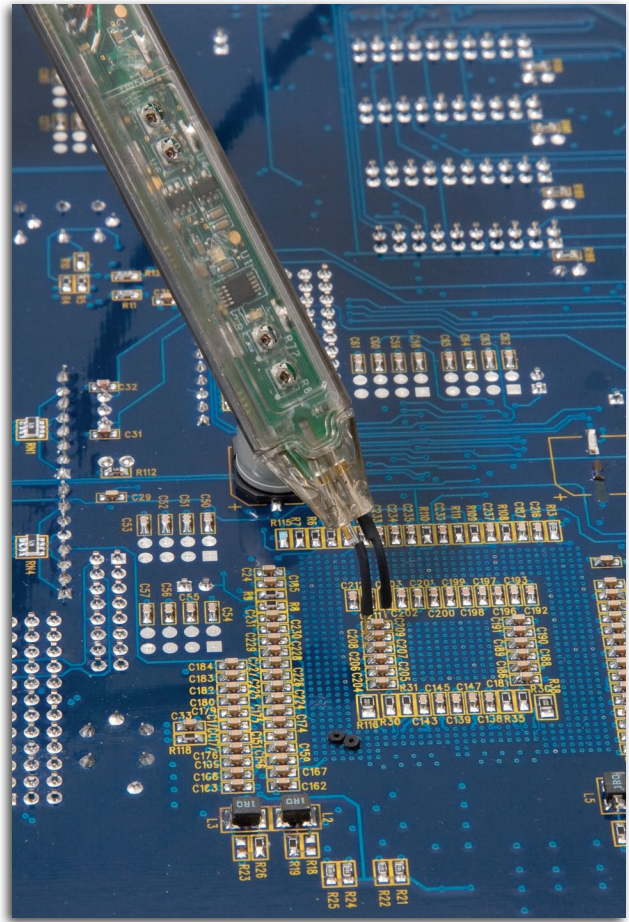
Innovative Probe Leads and Tips Provide Excellent Signal Performance Without Degradation

2

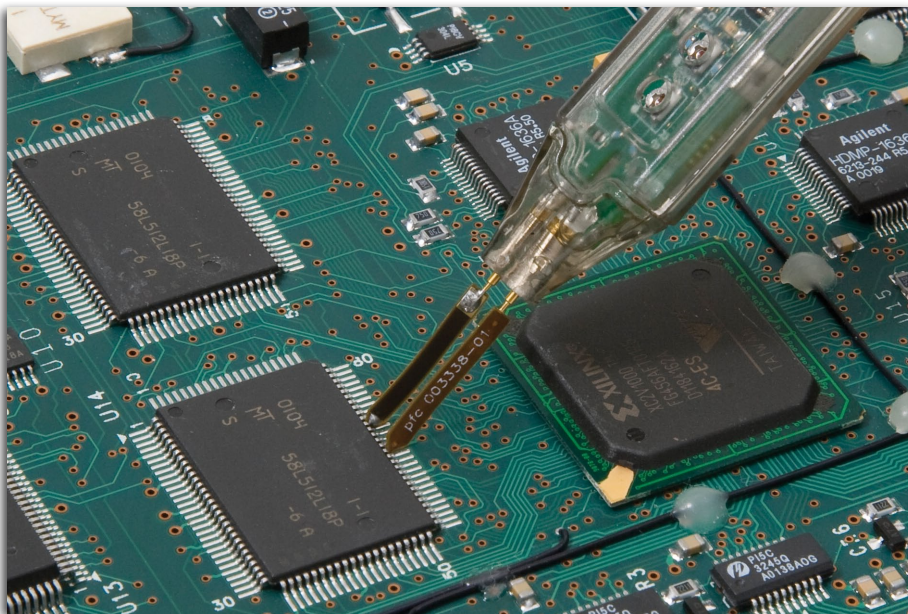
ZD SERIES ACTIVE DIFFERENTIAL PROBES



The Swivel Tip adapter can be adjusted to probe test points ranging from 0 to .300" apart with Z-Axis compliance.



The short spring loaded ground leads can be used as either a ground accessory or an extension of the probe inputs.



The IC leads with a compensation resistor provide excellent signal fidelity when probing pins of an IC. One side of each blade is insulated to prevent shorting the signal to the adjacent pin.

ZD500

Bandwidth (Warranted)	1500 MHz	1000 MHz	500 MHz
Bandwidth (Typical)	1700 MHz	1200 MHz	650 MHz
Risetime 10–90% (Typical)	270 ps	375 ps	650 ps
Risetime 20–80% (Typical)	200 ps	280 ps	500 ps
LF Attenuation Accuracy (Warranted)	2%		
Zero Offset (Typical) (within 15 minutes after autozero)	5 mV		
System Noise (Typical)	1.75 mV _{rms}	1.75 mV _{rms}	1.3 mV _{rms}
Probe Noise Density (Typical)	38 nV/rt (Hz)		
Input Differential Range (Nominal)	±8 V (16 V _{p-p})		
Differential Offset Range (Nominal)	±18 V		
Offset Gain Accuracy (Typical)	2%		
Common Mode Range (Nominal)	±10 V		
Maximum Non-destruct Voltage (Nominal)	30 V		
CMRR (Typical)	60 dB 50/60 Hz 30 dB 20 MHz 25 dB @ 1500 MHz	60 dB 50/60 Hz 30 dB 20 MHz 25 dB @ 1000 MHz	60 dB 50/60 Hz 30 dB 20 MHz 25 dB 500 MHz
DC Input Resistance (Nominal)	50 kΩ (Common Mode) 120 kΩ (Differential Mode)		
Differential Input Capacitance (Typical)	< 1.0 pF		

Product Description	Product Code	Product Description	Product Code
500 MHz, 1.0 pF, 1 MΩ Active Differential Probe	ZD500	Right Angle Connector Long, Qty 2	PACC-LD004
1 GHz, 1.0 pF, 1 MΩ Active Differential Probe	ZD1000	Micrograbber, Qty 2	PK006-4
1.5 GHz, 1.0 pF, 1 MΩ Active Differential Probe	ZD1500	Minigrabber, Qty 2	PACC-CL001
Standard Accessories		Short Spring Loaded Bendable Ground, Qty 2	PACC-CD008
Y Lead Adapter, Qty 1	PACC-ZD001	Probe Calibration Fixture, Qty 1	PCF200
Solder-In Lead, Qty 2	PACC-ZD002	ZD Replacement Kit	PK111
Long Spring Loaded Bendable Ground, Qty 2	PACC-ZD003	Hands Free Probe Holder, Qty1	PACC-MS001
Tip Saver, Qty 2	PACC-ZD004	Customer Service	
Swivel Tip Adapter	PACC-ZD005	LeCroy oscilloscopes and probes are designed, built, and tested to ensure high reliability. In the unlikely event you experience difficulties, our digital oscilloscopes are fully warranted for three years and our probes are warranted for one year.	
Small IC Adapter, Qty 2	PACC-ZD006	This warranty includes: • No charge for return shipping • Long-term 7-year support	
Micro Pogo Pin Tip, Qty 6	PACC-ZD009		
Right Angle Connector Short, Qty 2	PACC-LD003		

Y Lead Adapter, Qty 1	PACC-ZD001
Solder-In Lead, Qty 2	PACC-ZD002
Long Spring Loaded Bendable Ground, Qty 2	PACC-ZD003
Tip Saver, Qty 2	PACC-ZD004
Swivel Tip Adapter	PACC-ZD005
Small IC Adapter, Qty 2	PACC-ZD006
Micro Pogo Pin Tip, Qty 6	PACC-ZD009
Right Angle Connector Short, Qty 2	PACC-LD003

LeCroy oscilloscopes and probes are designed, built, and tested to ensure high reliability. In the unlikely event you experience difficulties, our digital oscilloscopes are fully warranted for three years and our probes are warranted for one year.

This warranty includes:

- No charge for return shipping
- Long-term 7-year support
- Upgrade to latest software at no charge