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## Characteristics and Specifications

The following characteristics are typical for the probe set.

Characteristics	
<b>Input Resistance</b>	20 k $\Omega$
<b>Input Capacitance</b>	1.3 pF (accessory-specific, see accessories)
<b>Maximum Recommended State Data Rate</b>	1.5 Gb/s (accessory-specific, see accessories)
<b>Minimum Data Voltage Swing</b>	250 mV p-p
<b>Minimum Diff. Clock Voltage Swing</b>	100 mV p-p each side
<b>Input Dynamic Range</b>	-3 Vdc to +5 Vdc
<b>Threshold Accuracy</b>	$\pm(30 \text{ mV} + 2\% \text{ of setting})$
<b>Threshold Range</b>	-3.0 V to +5.0 V
<b>Maximum Nondestructive Input Voltage</b>	$\pm 40 \text{ Vdc}$ , CAT 1 (mains isolated)
<b>Maximum Input Slew Rate</b>	5 V/ns
<b>Clock Input</b>	differential <sup>(2)</sup>
<b>Number of Inputs <sup>(1)</sup></b>	17 (1 clock and 16 data)

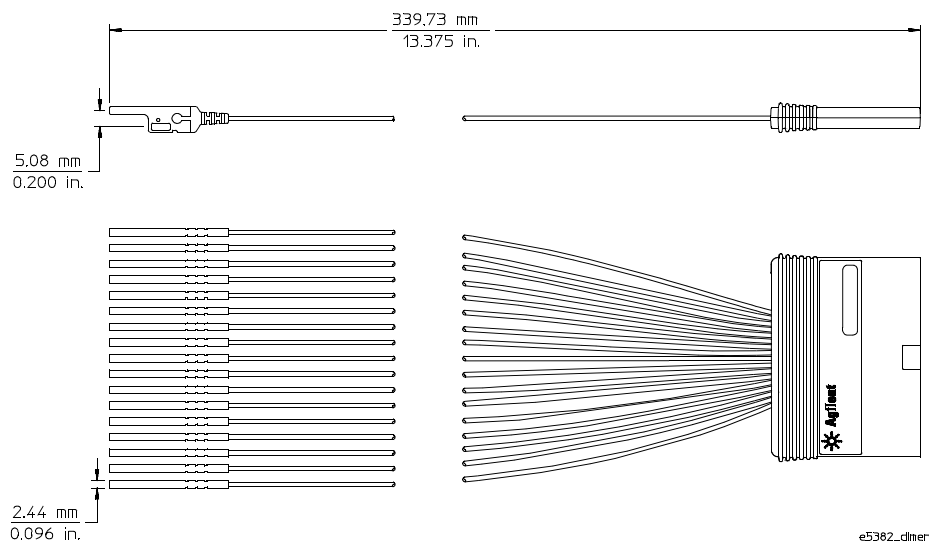
<sup>(1)</sup> refer to specifications on specific modes of operation for details on how inputs can be used

<sup>(2)</sup> if using the clock as single-ended, the unused clock input must be grounded  
and the minimum voltage swing for single-ended clock operation is 250mV p-p

General Characteristics

The following general characteristics apply to the probe set.

Environmental Conditions		
	Operating	Non-operating
Temperature	0 °C to +55 °C	−40 °C to +70 °C
Humidity	up to 95% relative humidity (non-condensing) at +40 °C	up to 90% relative humidity at +65 °C
Weight	approximately 0.69 kg	
Dimensions	Refer to the figure below.	
Pollution degree 2	Normally only non-conductive pollution occurs. Occasionally, however, a temporary conductivity caused by condensation must be expected.	
Indoor use		



E5382A Single-ended Flying Lead Probe Set Dimensions