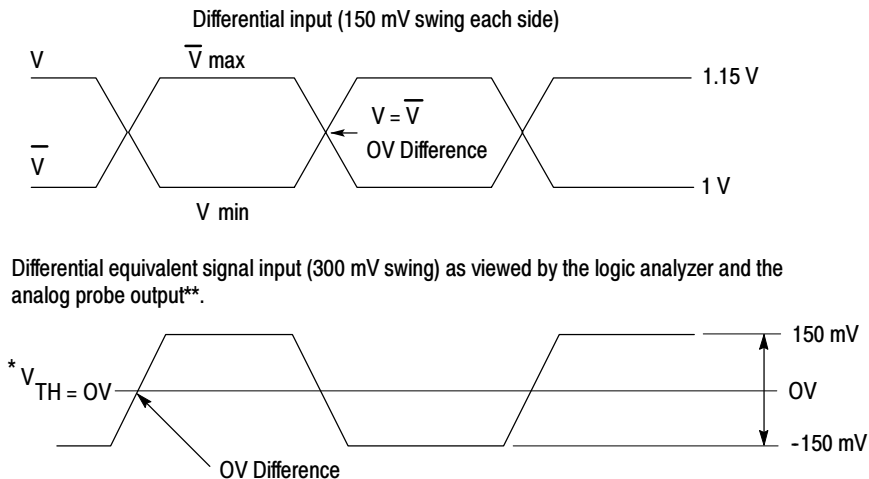


## Commonly Used Terms

Refer to the following list of commonly used terms throughout the manual.

**Compression footprint** A connectorless, solderless contact between your PCB and the P6860 and P6880 Probes. Connection is obtained by applying pressure between your PCB and the probe through a Z-axis elastomer.

**Differential input amplitude definition** For differential signals, the magnitude of the difference voltage  $\bar{V}_{\max} - V_{\min}$  (and  $V_{\min} - \bar{V}_{\max}$ ) must be greater than or equal to 150 mV. Refer to Figure i.



\* Note: For differential inputs, the module threshold should be set to OV (assuming no common mode error).

\*\* Note: See online help for further analog output details.

**Figure i: Differential input amplitude**

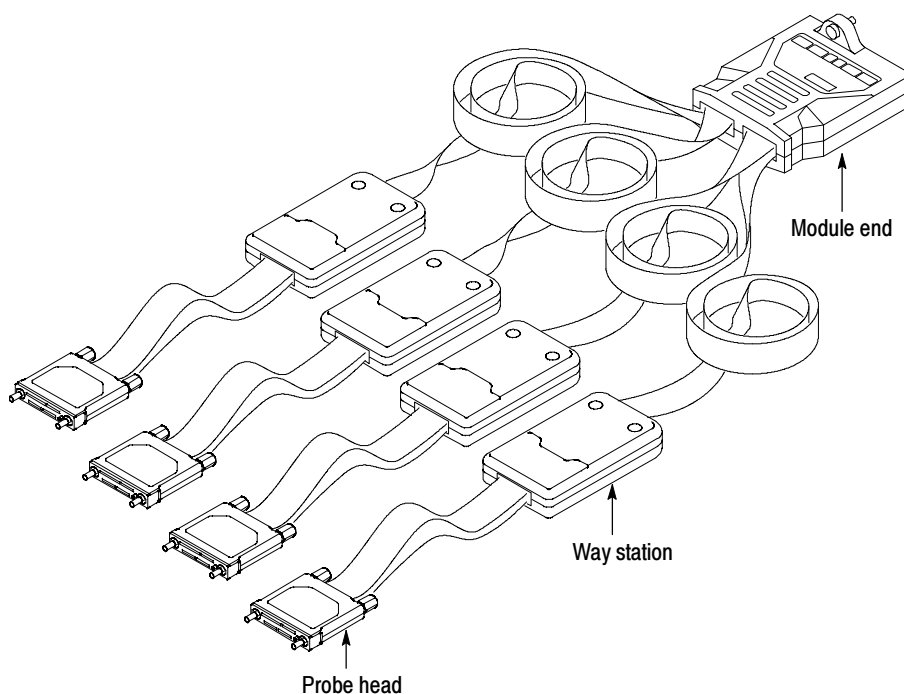
**Functional check procedure** Functional check procedures verify the basic functionality of the probes by confirming that the probes recognize signal activity at the probe tips.

**Keepout area** The area of the printed circuit board in which only probe components may be mounted.

**Module** The unit that plugs into a mainframe which provides instrument capabilities such as logic analysis.

**Module end** The end of the probe which plugs into the module unit.

- PCB** An acronym for Printed Circuit Board; also known as Etched Circuit Board (ECB).
- Podlet** A circuit contained in a flex lead and attached to a probe which provides square-pin connections to the circuit under test for one data acquisition channel and a reference pin.
- Podlet holder** A removable clip that groups eight individual podlets into a single 8-wide P6810 Probe assembly. This provides ease when connecting to a row of 2 x 8 2.54 mm (0.100 in) square pins.
- Probe** The device that connects a module with a target system.



**Figure ii: Probe example**

- Probe adapter** A device that connects the LA module probe to a target system.
- Probe head** The end of the probe (see Figure ii) that connects to the target system or probe adapter.

<b>SMT KlipChip</b>	An interface device for attaching logic analyzer probes to components with a maximum lead diameter of 2.413 mm (0.095 in) and a stackable on lead centers of 1.27 mm (0.050 in).
<b>Way station</b>	An intermediate probe part (see Figure ii) used to connect the heads of the P6810 and P6880 Probes to a single ribbon cable.
<b>Z-axis elastomer</b>	Silicone-based material containing vertical wires that conduct only in the z-axis.

## Contacting Tektronix

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\* **This phone number is toll free in North America. After office hours, please leave a voice mail message. Outside North America, contact a Tektronix sales office or distributor; see the Tektronix web site for a list of offices.**