

Short quiz

True or false: LVDS is a physical layer specification only

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True or false: LVDS is a physical layer specification only

True. LVDS is purely electrical with no protocol for transferring data, which makes it useful in many applications

Short quiz

True or false: The termination resistor must always be 100Ω

Short quiz

FALSE

True or false: The termination resistor must always be 100Ω

False. The termination resistor must match the characteristic impedance of the transmission line, which is typically 100-ohms but can be less due to losses.

Short quiz

True or false: LVDS receivers must be able to receive $\pm 350\text{mV}$ signals from an LVDS driver

Short quiz

FALSE

True or false: LVDS receivers must be able to receive $\pm 350\text{mV}$ signals from an LVDS driver

False. LVDS receivers must be able to receive $\pm 100\text{mV}$ signals from an LVDS driver. An LVDS driver must be able to output $\pm 350\text{mV}$ signals.

Short quiz

True or false: LVDS has good noise immunity

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True or false: LVDS has good noise immunity

True. The differential nature of LVDS makes it ideal for low EMI applications