

AN4442 Application note

Two-channel LVDS repeater with the RHFLVDSR2D2

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This application note summarizes how to build a simple two-channel repeater for low-voltage differential signaling (LVDS) transmission.

The example given below is easy to implement using STMicroelectronics's rad-hard device RHFLVDSR2D2. This device holds the native components, two LVDS receivers, and two LVDS drivers. The given example shows one data line and one clock line being regenerated, when long differential lane distances are required.

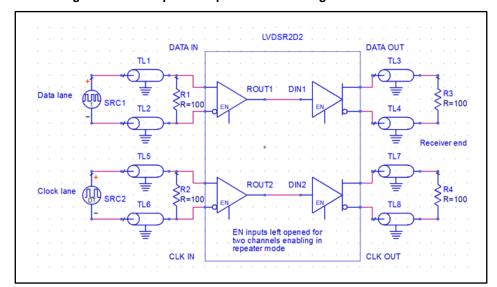
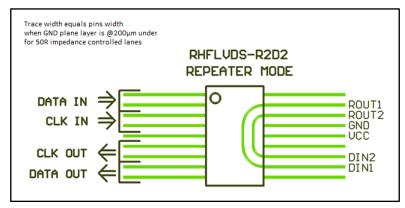


Figure 1: LVDS repeater implementation using the RHFLVDSR2D2

Figure 2: PCB implementation



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Revision history

Table 1: Document revision history

Date	Revision	Changes
18-Feb-2014	1	Initial release

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