

Chapter 8

Evaluation kits

8.1 Evaluation/demo boards

Evaluation boards are available for a nominal charge that demonstrate the basic operation of selected LVDS devices. The evaluation boards can be ordered through National's distributors. The following table provides product family, PCB description, NSID(s) of devices on the PCB, kit order number, and errata sheet (if applicable). Manuals for evaluation boards are available online at LVDS.national.com.

LVDS family	PCB description	NSIDs on PCB	Order number
LVDS	LVDS Quad line driver/receiver eval board	DS90LV047A, DS90LV048A	LVDS47/48EVK
LVDS	LVDS 800 Mbps crosspoint evaluation board	DS90CP22M-8	LVDS22EVK
LVDS	LVDS - LVDS buffer evaluation board	DS90LV001	LVDS001EVK
LVDS	LVDS Quad line driver/receiver eval (unstuffed board)	DS90C031, DS90C032, or DS90LV031A, DS90LV032A	Lit# 550061-001
LVDS/STA	2 x 2 Crosspoint switch evaluation kit	SCAN90CP02	SCAN90CP02EVK
Channel link	Channel link evaluation board 133 MHz, 2.5/3.3V, 48-bit	DS90CR485, DS90CR486	CLINK3V48BT-133
Channel link	Channel link evaluation board 20 to 85 MHz, 3.3V, 28-bit	DS90CR287, DS90CR288A	CLINK3V28BT-85
Channel link	Channel link evaluation board 112 MHz, 3.3V, 48-bit	DS90CR483, DS90CR484	CLINK3V48BT-112
Bus LVDS	Bus LVDS SER/DES evaluation mini-backplane, <i>errata sheet available</i>	DS92LV1021, DS92LV1210	BLVDS01 (Limited supply)
Bus LVDS	Bus LVDS SER/DES with random lock RX evaluation mini-backplane, <i>errata sheet available</i>	DS92LV1021, DS92LV1212	BLVDS02
Bus LVDS	Bus LVDS SER/DES PRBS generator and checker board (40 MHz)	DS92LV1021, DS92LV1212A	BLVDS03
Bus LVDS	Bus LVDS SER/DES w/ random lock RX evaluation mini-backplane	DS92LV1023, DS92LV1224	BLVDS04
Bus LVDS	Bus LVDS SER/DES PRBS generator and checker board (66 MHz)	DS92LV1023, DS92LV1224	BLVDS05
Bus LVDS	Bus LVDS 16-bit SER/DES evaluation board View the schematic	DS92LV16	BLVDS16EVK
Bus LVDS	Bus LVDS 18-bit SER/DES evaluation board View the schematic View the PCB layout View the BLVDS92LV18EVK BOM	DS92LV18	BLVDS18EVK
Bus LVDS/ UTOPIA	UTOPIA-LVDS bridge evaluation board	DS92UT16	UTOPIA16EVK
Bus LVDS/ STA (JTAG)	SCAN system test access evaluation kit	SCAN921023, SCAN921224,	SCANSTA16EVK

Please note that several flat panel display evaluation kits are also available that utilize LVDS technology. These evaluation kits are showcased from the Appinfo/FPD page.