

1. Record Nr.	UNINA9910147100303321
Titolo	IEEE Std 1596.3-1996 : IEEE Standard for Low-Voltage Differential Signals (LVDS) for Scalable Coherent Interface (SCI) // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	New York, N.Y. : , : Institute of Electrical and Electronics Engineers, , 1996
ISBN	0-7381-3136-9
Descrizione fisica	1 online resource (v, 30 pages)
Disciplina	620.00218
Soggetti	Standards, Engineering Tolerance (Engineering)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Scalable Coherent Interface (SCI), specified in IEEE Std 1596-1992, provides computer-bus-like services but uses a collection of fast point-to-point links instead of a physical bus in order to reach far higher speeds. The base specification defines differential ECL signals, which provide a high transfer rate (16 bits are transferred every 2 ns), but are inconvenient for some applications. IEEE Std 1596.3-1996, an extension to IEEE Std 1596-1992, defines a lower-voltage differential signal (as low as 250 mV swing) that is compatible with low-voltage CMOS, BiCMOS and GaAs circuitry.