



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



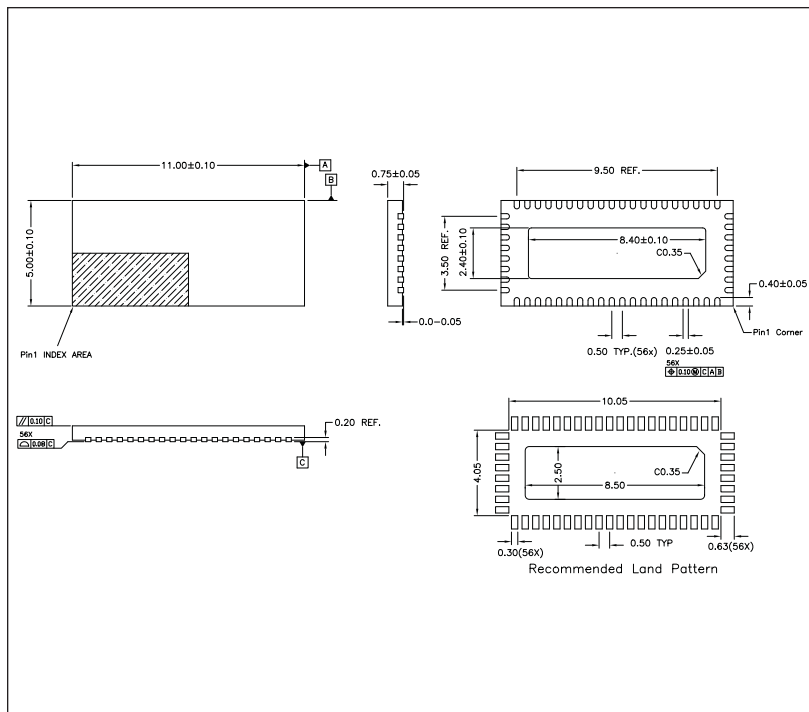
Features

- ➔ High-speed path can switch differential signals such as TMDS or LVDS
- ➔ $V_{DD} = 3.3V \pm 10\%$
- ➔ ESD tolerance on video I/O pins is up to 12kV HBM
- ➔ -3dB BW of 1.7GHz, 3.4Gbps
- ➔ Low Xtalk, (-73dB typ)
- ➔ Low and Flat ON-STATE resistance ($R_{on} = 3.5\text{-ohm}$, $R_{on(Flat)} = 0.15\text{-ohm}$, typ)
- ➔ Low input/output capacitance ($C_{on} = 7.5\text{pF}$, typ)
- ➔ Packaging (Pb-free and Green):
 - 56 contact TQFN (ZFE)

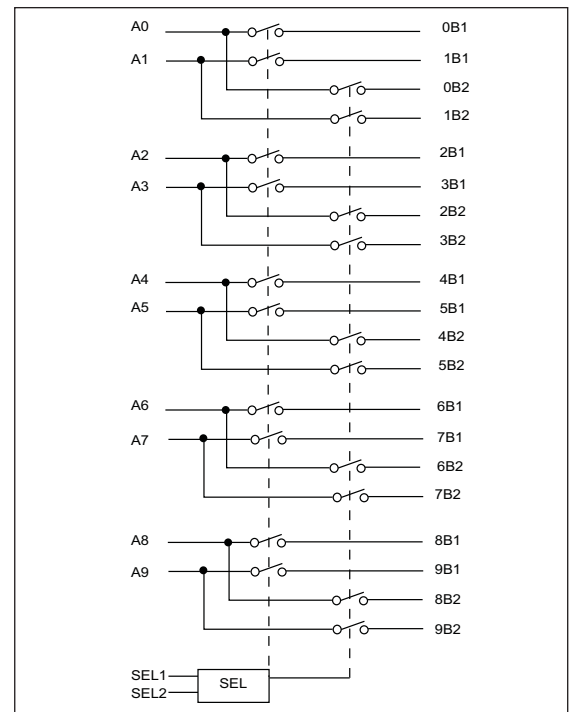
Description

Pericom's PI3LVD400 is a 4-differential channel high-speed switch used for LVDS or TMDS signals. The PI3LVD400 can be used to switch between multiple LVDS sources or end points. In a notebook application where analog video signals are found in both the notebook and the dock, a switch solution is required to switch between the two video port locations. With the high bandwidth of 1.7GHz, the signal integrity will remain strong even through the long FR4 trace between the notebook and the docking station. The device also offers the user a secondary path for DDC signals. This DDC path can be used for both switching as well as voltage translation from 5V down to 3.3V. In addition to high signal performance, the video signals are also protected against high ESD with integrated diodes to V_{DD} and GND that will support up to 12kV of ESD HBM protection.

Packaging Mechanical: 56-Contact TQFN



Block Diagram



Ordering Information

Ordering Code	Package Code	Package Type
PI3LVD400ZFE	ZF	Pb-free and Green 56-Contact TQFN

1. Thermal characteristics can be found on the company web site at www.pericom.com/packaging/
2. E = Pb-free and Green
3. Adding an X Suffix = Tape/Reel