



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

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## 2:1 ActiveEye™ HDMI™ Switch with Automatic Power Down and Dual SEL Control for Source Applications

### Features

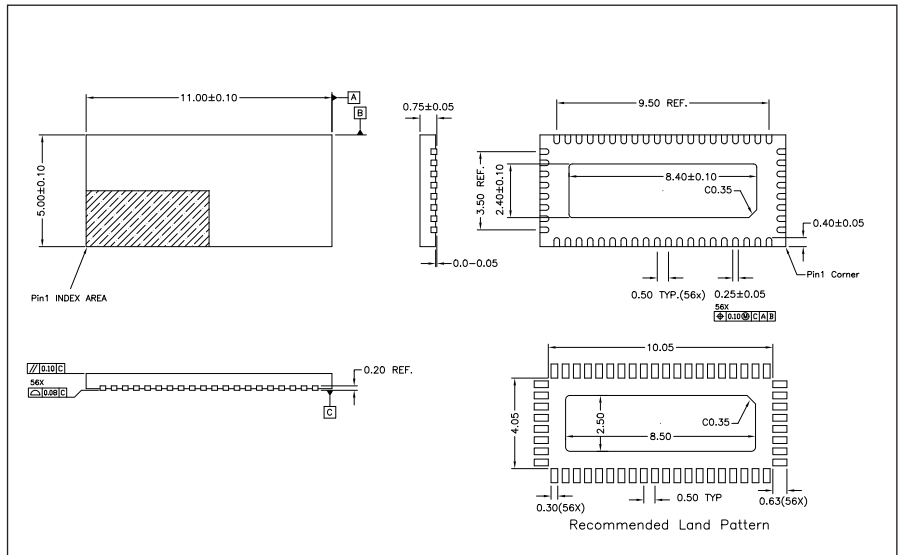
- 2 digital video inputs can be switched to a single output
- Each input can be AC coupled video or DC coupled, while the output will maintain its DC coupled, current-steering, TMDS compliance
- TMDS pixel clock support up to 250MHz max (up to 2.5Gbps per lane)
- Deep Color™ support up to 36bits max per link
- Integrated DDC switch to connect DDC path from HDMI™ input connectors to HDCP block in the HDMI Receiver.
- HDCP reset circuitry for quick communication when switching from one port to another
- Automatic Termination turn-off circuitry when port is deselected
- Clock Detection: Will disable output TMDS channels when no TMDS pixel clock is present
- Flexible termination;
- When TMDS channel is off, 50-Ohm termination pull to  $V_{DD}$  is off
- Integrated ESD on all TMDS output pins
  - 8kV Human Body Model per JESD22
  - $\pm 8kV$  contact per IEC61000-4-2
- Packaging (Pb-free and Green)
  - 56 contact TQFN (ZFE)

### Description

Fully compatible HDMI™ signal support with backward compatibility to the DVI 1.0 standard, Pericom's new "ActiveEye™" switch technology is all you need to connect multiple, unknown sources, to a single display. Without any affect on HDCP, these switches can be used almost anywhere. In addition to supporting DC coupled HDMI and DVI inputs, Pericom's PI3HDMI221-A can also level shift an AC coupled HDMI to a DC coupled HDMI output.

Pericom's HDMI product family has been designed specifically to support color depths of up to 12bits per channel, as specified in the HDMI revision 1.3 standard. We have integrated the entire interface solution so the TV designer doesn't have to think about it. This includes, integrated DDC switching.

### Packaging Mechanical: 56-Pin TQFN (ZF)



### Ordering Information

Ordering Code	Package Code	Package Type
PI3HDMI221-AZFE	ZFE	56-pin, Pb-free & Green TQFN

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