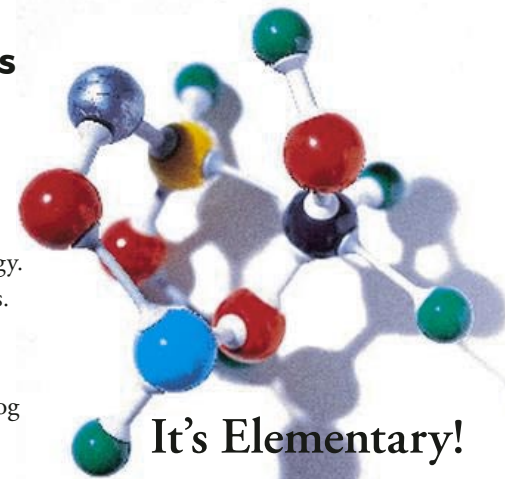


Formulating Solutions with Pericom's Analog Switches

Complex systems, at their core, are made up of elemental building blocks that perform critical functions. Without these essential elements all the potential of the design is not unleashed, but remains constrained by physical or performance deficiencies. Switches are a basic analog building block. If your system designs use analog integrated circuits or micro-controllers, chances are you can increase the overall performance through the proper application of switch technology. Pericom, the worldwide leader in Digital Switch, also provides solutions for Analog Switch users. Built upon the basis of expertise gleaned from the low voltage signal switching requirements of digital systems, Pericom's portfolio of Analog Switch products span the spectrum of functions and specifications required for analog designs. Broken down into its most basic forms, the Analog Switch portfolio from Pericom can be separated into four distinct categories:



1.

Sd

Standard

Standard Switches

2.

Df

Differential

Differential Switches

3.

Ln

LAN Switches

LAN Switches

4.

Vo

Video Switch

Video Switches

Standard Products

PI3Axx, PI5Axx, PSxx

Pericom's analog switch products include a variety of crosses for industry standards, as well as products designed with special configurations or specifications not present in competitive portfolios. Includes products that support 17V, 7V, 5V, and 3V supplies with a wide variety of on-resistance, on-capacitance, and bandwidth parameters meeting the needs of numerous analog applications in the telecom, networking, and industrial market segments.

Differential Switches

PI3USBxx

Increased processor speeds demand faster communication rates between devices to maintain performance. Consequently, faster interchange demands differential signaling. We offer groundbreaking switch products that support these higher frequencies, without sacrificing signal integrity. The PI3USBxx family of products is the first to support the Hi-Speed USB specification. The underlying technology combines low on-resistance, low on-capacitance, and wide signal passing bandwidth to address new technologies in our future products. If your design involves the use of differential signaling, our solutions will unleash the full potential of your design.

LAN Switches

PI5Lxx, PI3Lxx

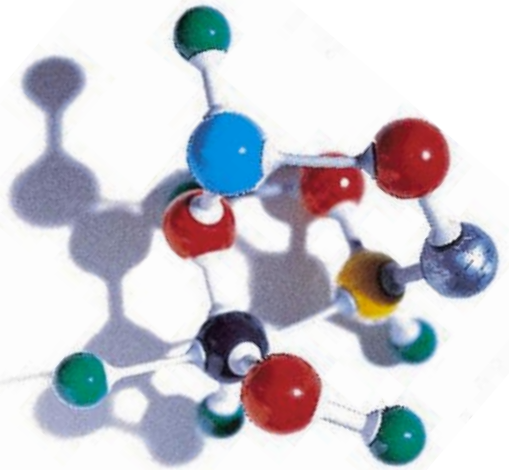
As leaders in physical-layer ethernet-signal switching, our products have led the way to successive new generations of LAN switch products. Supporting both the 10/100 and Gigabit Ethernet specifications, in 5V and 3V supply configurations, our LAN Switches allow designers to expand their ethernet systems with affordability and ease. Like the USB2.0 products, our devices are built using proprietary design methodology that delivers unparalleled performance levels in the industry.

Video Switches

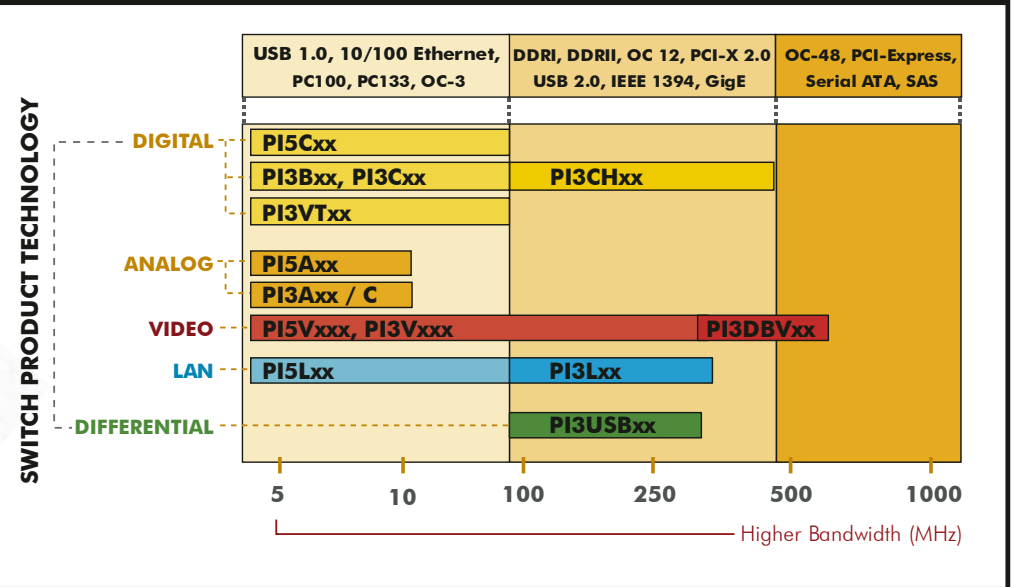
PI5Vxx, PI3Vxx, PI3DBVxx

As an application area with highly specialized needs, the handling of video signals requires interface products capable of passing the video stream without the introduction of signal-degrading noise. Pericom's PI5Vxx and PI3DBVxx families of video switch products provide the margin necessary to maintain the video signal integrity, while allowing the designer to route signals as needed for maximum system performance. Our video switches support the traditional video implementations such as RGB, as well as leading edge technologies including LVDS and TMDS.


Pericom brings all the elements together...



Pericom Switch & Convergence




PERICOM's ANALOG SWITCH PORTFOLIO




Standard Switches

1 x SPST(NO) PI5A121 PI5A4594A PI5A4596A PI5A4626 PI5A4629 PI3A4626* PI3A4627* PI3A4628* PI3A4629*	2 x SPST(NO) PI5A126 (7V) PS320 PS323 PS381 2 x SPST(NC) PI5A127 2 x SPDT PI5A3158 PI5A383A PI3A3160* PS383	4 x SPST(NO) PI5A392A (7V) PS392 PS4066 PS4066A 4 x SPST(NC) PI5A101 PI5A391A PS391 4 x SPST(NO/N) PI5A393A PS393
1 x SPST(NC) PI3A125 PI5A122 PI5A317A PI5A4595A PI5A4597A	2 x DPST PS385 Multiplexers PS396 PS398 PS399 PS4530 PS4531 PS4532	4 x SPST(NO/NC) PI5A100 PS394
1 x SPDT PI5A124 PI5A319A PI5A3157 PI5A3159 PI5A4624 PI5A4625 PI5A4599A PI3A4624* PI3A4625* PI3A3159*		




LAN Switches

10/100 PI3L100 PI3L110* PI5L100 PI5L102 PI5L200	Gigabit PI3L301D PI3L500* PI3L510*
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Video Switches

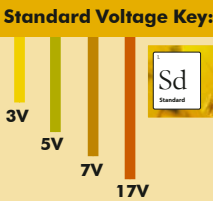
Video PI5V330(A)(S) PI5V330A* PI5V331 PI5V332 PI5V512*	PI3DBV10* PI3DBV20* PI3DBV40* PI3DBV14*	PI3V312* PI3V512* PI3V314* PI3V514*
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Differential Switches

USB2.0 PI3USB10* PI3USB20* PI3USB40* PI3USB14*

Standard Voltage Key:



*Recently Introduced New Products

Keep a look-out for more **EYE ON Interface** from Pericom!

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