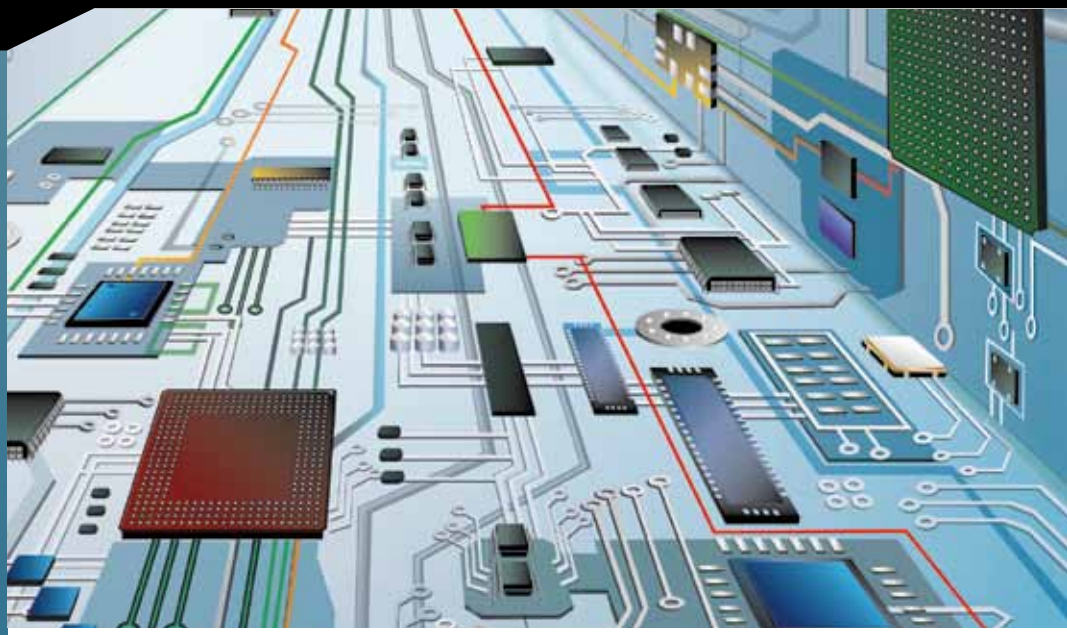
PERICOM®
Enabling Serial Connectivity

CONNECTIVITY
SIGNAL INTEGRITY
TIMING

Pericom Solutions in **Connectivity | Signal Integrity | Timing**

PRODUCT OVERVIEW



Pericom Semiconductor enables serial connectivity with the industry's most complete solutions for the computing, communications and consumer market segments. With products spanning analog, digital and mixed-signal integrated circuits, power management solutions and quartz-based frequency control products (FCP), Pericom supplies essential solutions for the timing, switching, bridging and conditioning of high-speed signals required by today's ever-increasing speed and bandwidth demanding applications.

Why Choose Pericom?

- ➔ Broad portfolio of vertically integrated connectivity, signal integrity and timing solutions
- ➔ Standards compliance, increased system reliability, and lowered system costs
- ➔ Unique signal conditioning solutions enable the full potential of the latest high-speed serial protocols
- ➔ Total "Segment Solutions" approach offers multiple products optimized for special market segments

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Connectivity and Switching Solutions from Pericom

Electronics today are fast – the signals that drive them run at increasingly higher speeds. Most commonly this is done using a serial bus, or high-speed circuit board, which connects components in computers and consumer devices. The bus uses serial signals, such as PCI Express® or USB, to quickly send data in a single stream from one point to another.

To address the specific design challenges posed by high-speed connectivity in electronic design - like digital video, wireless and ultra-mobility applications - Pericom offers a broad portfolio of ICs, crystals and crystal oscillators for high-speed standards including PCI Express 2/3, HDMI/DVI, DisplayPort, USB, Gigabit Ethernet, 10 Gigabit Ethernet, EPON, GPON, SATA3, SAS2/3, Thunderbolt and Fibre Channel.

Pericom's PCI Express products enables for signal quality, system performance, flexibility, reliability, system timing, EMI, express cable, and much more. Uniquely, we offer the industry's broadest portfolio of interface solutions for these high-performance protocols.

➔ PCI Express is a point-to-point serial differential low-voltage interconnect

➔ Consolidates application requirements for use by multiple market segments

➔ A highly flexible, scalable, reliable, and stable high-performance protocol

➔ Cost-effective general purpose I/P Architecture

➔ Allows for use of new topologies in system and communication design

PCIe/PCI/UART Technology

➔ PCIe Packet Switch, GreenPacket™ & SlimLine™ Families

- PCIe 1.1/ 2.1 3-5 ports/ 3-8 lanes concurrent packet switching, Lowest Latency
- Customer programmable PHY, switching and EEPROM configurable
- QFP, QFN packages-- Smallest footprint, lowest power
- Wider range temperature -40~ +85°C supporting for various applications
- Clock buffer Integration, ease of design
- Peer-to-Peer Data Transfer and Hot-Plug Support

➔ PCIe to USB 2.0 Swidge™

- PCIe to USB 2.0 + PCIe Switch and Bridge in one chip.

➔ PCIe to PCI-X™ Bridge

- Non-transparent mode and fully reversible – high throughput, x4 PCIe lanes
- Customer programmable power management features
- PCIe & PCI-X bus Hot-plug support, supports 128, 256, and 512-byte payloads
- The only PCI-SIG 1.1 compliant PCIe to PCI-X bridge in the market

➔ PCIe to PCI Bridge Family

- Reversible PCIe-to-PCI Bridge with dual priority modes
- Supports isochronous data streaming: real-time/live video
- Small packages: 14x14 LQFP 128-pin (9x113 & 9x118)
- Reverse mode option – outstanding performance (9x113)
- High-output drivers – 8 PCI devices across connectors – industry unique (9x112)
- Support Legacy Mode for CPU Replacement PCI Port (9x113)

➔ PCIe to UART I/O Bridge

- Industry first one-chip PCIe to UART Solution, PCI-SIG 1.1 compliant
- 2, 4, or 8 high-performance 16C950 UART ports
- Perfect for POS, RSxxx applications, embedded industrial controls

➔ PCIe 1.0, 2.0, and 3.0 SATA3, SAS2/3, 10GE, Thunderbolt Signal Switching

- 1.8V and 3.3V, 2 and 4-differential channel, 2:1 mux/demux signal switches
- 3.3V PCIe 3.0, SAS2/SATA3 3 to 1 mux/demux signal switch
- 1.8V PCIe 2.0/SATA3, SAS2, 2-channel, 2:1 mux/demux signal switches
- 3.3V PCIe 2.0/DisplayPort and PCIe 3.0, 10Gbps Ethernet, Thunderbolt, SATA3, SAS2/3 signal switches

Switching Solutions

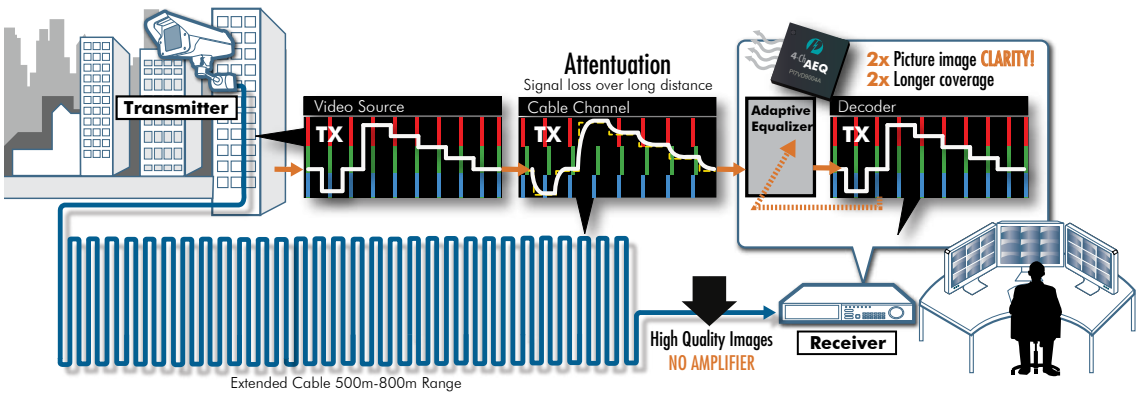
- High speed signal switches for almost all applications
- LAN, USB, DP/HDMI, SATA, SAS, Thunderbolt, VGA, LVDS

Power Management

- Voltage Translators
- LDOs (Low-dropout)
- Power Switches
- MicroProcessor Supervisory ICs
- Load Switches

Video Decoder

- AEQ - Pericom's patented Adaptive EQ
  - For up to 2X clearer picture image and longer cable length



PCI Express Bridges - http://www.pericom.com/products/pcie-pci-bridges/

Part No.	Description	PCI Bus Masters	PCI Speed	PCI Bus Width	Ports	Lanes	Package
PI7C9X111SL	PCIe-to-PCI Reversible Bridge with PowerSave™	4	66 MHz	32-bit	1 PCI	1	128-LQFP (FD128)
PI7C9X112SL	PCIe-to-PCI Bridge with PowerSave™	8	66 MHz	32-bit	1 PCI	1	128-LQFP (FD128)
PI7C9X113SL	PCIe-to-PCI Bridge with PowerSave™ (Legacy Mode)	4	66 MHz	32-bit	1 PCI	1	128-LQFP (FD128)
PI7C9X130	PCIe-to-PCI-X Reversible Bridge	-	133 MHz	64-bit	1 PCI-X	4	256-PBGA (ND256)
PI7C9X7952	PCIe-to-Dual UART I/O Bridge	-	-	-	2 UART	1	128-LQFP (FD128)
PI7C9X7954	PCIe-to-Quad UART I/O Bridge	-	-	-	4 UART	1	128-LQFP (FD128)
PI7C9X7958	PCIe-to-Octal UART I/O Bridge	-	-	-	8 UART	1	160-LFBGA (NB160)
PI7C9X440SL	PCIe-to-USB Host Controller	-	-	-	4 USB	1	128-LQFP (FD128)
PI7C9X442SL	PCIe-to-USB 2.0 Host Controller + PCIe Swidge™	-	-	-	4 USB/ 2 PCIe	3	128-LQFP (FD128)

PCI Express Signal Switches (1.0, 2.0, 3.0, 10GE, DDR3, SATA3, SAS2/3, Thunderbolt)

http://www.pericom.com/products/signal-switch-ic-multiplexers/

Part No.	Volt.	Description	Lanes	Data Rate Gbps	Configuration	Package
PI2PCIE212	1.8V	1.8V PCIe bi-directional signal switch	1	2.5	2:1 Mux/Demux, 2-Differential Channels	28-TQFN (ZH28)
PI2PCIE2212	1.8V	1.8V PCIe 2.0, bi-directional differential 2:1 with single control	1	5	Mux: 2-Differential Channel	28-TQFN (ZH28)
PI2PCIE2214	1.8V	1.8V PCIe 2.0, 1-lane bi-directional differential 4:1	1	5	Mux, 2-Differential Channel	42-TQFN (ZH42)
PI2PCIE2412	1.8V	1.8V PCIe 2.0, bi-directional with single enable	2	5	2:1 Mux/Demux, 4-Differential Channels	42-TQFN (ZH42)
PI2PCIE2422	1.8V	1.8V PCIe 2.0 bi-directional with single enable and bypass mode	2	5	2:1 Mux/Demux with bypass, 4-Differential Channels	42-TQFN (ZH42)
PI2PCIE2442	1.8V	1.8V PCIe 2.0, bi-directional differential 2:2 exchange, single control	2	5	Exchange, 4-Differential Channel	42-TQFN (ZH42)
PI2PCIE412-D	1.8V	1.8V PCIe, bi-directional with single enable and enhanced ESD	2	2.5	2:1 Mux/Demux, 4-Differential Channels	42-TQFN (ZH42)
PI2DBS6212	1.8V	1.8V PCIe 2.0/SAS2/SATA3/XUAI 2:1 Signal Switch	1	6	Mux/Demux 2-Differential Channels	28-TQFN (ZH28)
PI2DDR3212	1.35V -1.8V	DDR3 14-bit 2:1 mux/demux	14	5	Mux/Demux, 14 channels	TQFN-52 (ZL52), TFBGA-48 (NC48)
PI3PCIE2215	3.3V	3.3V PCIe 2.0, bi-directional differential 2:1, with single control	1	5	Mux: 2-Differential Channel	28-TQFN (ZH28)
PI3PCIE2415	3.3V	3.3V PCIe 2.0, dual graphics mux, single enable	2	5	Mux, 2:1: 4-Differential Channel	42-TQFN (ZH42)
PI3PCIE2612-A	3.3V	3.3V PCIe 2.0 / DisplayPort (6-channel), ATX pinout	2	5	Mux, 6-Differential Channels, ATX pinout	56-TQFN (ZF56)
PI3PCIE2612-B	3.3V	3.3V PCIe 2.0 / DisplayPort (6-channel), BTX pinout	2	5	Mux, 6-Differential Channels, BTX pinout	56-TQFN (ZF56)
PI3PCIE3412/ 15/22	3.3V	3.3V PCIe 3.0, 2-lane, differential 2:1 mux/demux single enable, and bypass option	2	8/10	Mux, 2:1: 4-Differential Channel	42-TQFN (ZH42)
PI3PCIE3212/15	3.3V	3.3V PCIe 3.0, 1-lane, differential 2:1 mux/demux single enable	1	8/10	Mux, 2:1: 2-Differential Channel	20-QFN (ZB20)
PI3PCIE3413	3.3V	3.3V PCIe 3.0, 2-lane, differential 3:1 mux/demux	2	8	Mux, 3:1: 4-Differential Channel	42-TQFN (ZH42)
PI3DBS12212	3.3V	3.3V 12GBs 1-lane differiential, 2:1 mux/demux	1	12	Mux, 2:1 2-Differential Channel	20-QFN (ZB20)
PI3DBS12412	3.3V	3.3V 12GBs, 2-lane differential2:1 Mux/Demux	2	12	Mux 2:1: 2-Differential Channel	40 QFN (ZL40) 41 QFN (ZHS40)

PCI Express Packet Switches - http://www.pericom.com/products/pcie-switch/

Part No.	Description	Protocol	Ports	Lanes	Package
PI7C9X20303SL	3-port, 3-lane, SlimLine™ PCIe Packet Switch with PowerSave™ Technology	PCIe 1.1	3	3	128-LQFP (FD128)
PI7C9X20404SL	4-port, 4-lane, SlimLine™ PCIe Packet Switch with PowerSave™ Technology	PCIe 1.1	4	4	128-LQFP (FD128)
PI7C9X20303UL	3-port, 3-lane, UltraLo™ PCIe Packet Switch with PowerSave™ Technology	PCIe 1.1	3	3	132-TQFN (ZP132)
PI7C9X20505GP	5-port, 5-lane, PCIe Packet Switch with GreenPacket™ Technology	PCIe 1.1	5	5	256-PBGA (ND256)
PI7C9X20508GP	5-port, 8-lane, PCIe Packet Switch with GreenPacket™ Technology	PCIe 1.1	5	8	256-PBGA (ND256)
PI7C9X2G303EL	3-port, 3-lane, ExtremeLo™ PCIe Packet Switch with PowerSave™ Technology	PCIe 2.1	3	3	136-aQFN (ZX136)
PI7C9X2G304SL	3-port, 4-lane, SlimLine™ PCIe Packet Switch with PowerSave™ Technology	PCIe 2.1	3	4	128-LQFP (FD128)
PI7C9X2G404SL	4-port, 4-lane, SlimLine™ PCIe Packet Switch with PowerSave™ Technology	PCIe 2.1	4	4	128-LQFP (FD128)

AEQ Video Decoders - http://www.pericom.com/products/video-decoder/

Part No.	Function	Package	Application
PI7VD9004A	Adaptive EQ 4-channel 960H Video Decoder/BT656	128 LQFP	CCTV-DVR, Car-DVD
PI7VD9008	8-channel 960H Video Decoder/BT656	128 LQFP	CCTV-DVR, Car-DVR
PI7C9X9208	8-channel D1 Video Decoder/PCIe1	128 LQFP	Car-DVR, CCTV-DVR, PC-Card
PI7C9X9204	4-channel D1 Video Decoder/PCIe	128 LQFP	Car-DVD, CCTV-DVR, PC-Card

Power Management - Load Switches - http://www.pericom.com/products/Power-Management-IC/load-switch/

Part Number	Description	Package
PI3PD22920	Ultra small, Low Input Voltage, 4A, 5.4mohm Low Ron Load Switch	CSP8
PI3PD22919	Ultra small, Low Input Voltage, 4A, 5.4mohm Low Ron Load Switch	CSP8
PI3PD22924C	Ultra small, Low Input Voltage, 2A, 12mohm Low Ron LoadSwitch	CSP6
PI3PD22925C	Ultra small, Low Input Voltage, 2A, 12mohm Low Ron Load Switch	CSP6
PI5PD22965ZAEX	Ultra small, Low Input Voltage, 6A, Low Ron Load Switch	TDFN8

LDO Regulator (Low Drop-Out) - http://www.pericom.com/products/Power-Management-IC/ldo-voltage-regulators/

Part No.	Description	LDO Channel	Iss (μA)	Iout (mA)	Dropout Voltage
PT7M8202	Ultra-Low-Noise, RF. 300mA LDO Regulator	Single	70	300	270mV @ 300mA
PT7M8205	1.2V to 3.4V output , Low-Noise, 300mA LDO Regulator	Single	65	300	270mV @ 300mA
PT7M8206	1.2V to 3.4V output , Low-Noise, 300mA LDO Regulator	Single	65	300	270mV @ 300mA
PT7M8208	Ultra-small package, 1mm x 1mm UDFN, 300mA LDO Regulator	Single	65	300	270mV @ 300mA
PT7M8216	Low Quiescent Current, Ultra-small package, 0.8mmx0.8mm (1mmx1mm), 200mA LDO Regulator	Single	36	200	150mV @ 150mA
PT7M8220B	Low Dropout 600mA Fixed Voltage Linear Regulator	Single	80	600	150mV @ 300mA
PT7M8411	Dual, 300mA LDO Regulator	Dual	55	300	210mV @ 300mA

USB Charger - http://www.pericom.com/products/signal-switch-ic-multiplexers/

Part No.	Description	Analog or Digital?	Voltage	Lanes	Single Ended Channels	Differential Channels	Signal Type	Configuration	Type
PI5USB1457	USB charging controller 1 port for CDP and SDP Support	Mixed Signal	5V	1	0	0	NA	N/A	None
PI5USB2543	USB charging controller with integrated power switch 1 port for CDP and SDP Support	Mixed Signal	5V	1	0	0	NA	None	N/A
PI5USB266	USB Charging Controller 2 port for DCP support	Mixed Signal	5V	2	0	0	NA	N/A	N/A
PI5USB66	USB Charging Controller 1 Port for DCP Support	Mixed Signal	5V	1	0	0	NA	N/A	None

USB Power Switches - http://www.pericom.com/products/Power-Management-IC/usb-power-switch/

Part No.	Function	Package
PI5PD2041B/51B/	70mΩ, 0.75A Current-Limited, Power-Distribution Switches	SOT23-5
PI5PD2061/2065	70mΩ, 1.1A Current-Limited, Power-Distribution Switches	SOT23-5, SOP8
PI5PD2068/2069	70mΩ, 1.6A Current-Limited, Power-Distribution Switches	SOP8, EP-MSOP8
PI5PD2560/2561	Dual Channel, 2.5A, Adjustable, Active Low Current-Limited Power Switch	TDFN10

USB 2.0/3.0 Signal Switches - http://www.pericom.com/products/signal-switch-multiplexers/

Part No.	Function	Package
PI2USB3212	USB3.0 2:1/1:2 mux/demux for superspeed signals, 1.5V supply	TQFN (ZH28)
PI3USB302-A	USB3.0 2:1/1:2 mux/demux for superspeed signals, 3.3V Supply	TQFN (ZB20)
PI3USB304	USB3.0 Dual 2:1 mux/demux	TQFN (ZH42)
PI3USB3102	USB3.0 2:1/1:2 mux demux for superspeed and high speed signals, 3.3V	TQFN (ZL32)
PI3USB102E	Dual SPDT for USB 2.0 HS Compliance and Flow Through Pinout 5V Protection	TQFN (ZL10),UQFN (ZM10)
PI3USB221	Dual SPDT with Charge-pump for USB 2.0 HS Compliance and Flow Through Pinout	TDFN (ZE10), TLLGA (XA10)
PI3USB10LP-B	Dual SPDT for USB 2.0 HS Compliance	TQFN (ZL10 and ZM10)
PI3USB14-A	Dual SP4T for USB 2.0 HS Compliance	TSSOP (L16), QSOP (Q16), TQFN (ZH20)
PI3USB20	QUAD SPDT for 2x USB 2.0 HS Ports	TSSOP (L16)
PI3USB32	Dual SPST USB 2.0 Switch with back drive support	TLLGA (XA8)
PI3USB40	Octal SPDT for 4x USB 2.0 HS Ports	TSSOP (A48)
PI3USB102G	Dual SPDT for USB 2.0 HS Compliance and Flow Through Pinout 5V Protection	SPDT, TQFN (ZL10)
PI3USB103	Dual SPST USB 2.0 Switch with Back Drive Support and MHL Switching Support	SPDT
PI3USB221	High-Speed USB2.0 1:2 Multiplexer/DeMultiplexer Switch with Signal Enable	SPDT
PI3USB223	USB2.0 and Audio Switch	SPDT
PI3USBH22	Mobile HDMI Link (MHL) & USB 2.0 Switch	
PI3USB9281	USB Charger Detect with Port Protection	CSP (15 ball, 2x1.5mm, 0.4mm pitch)

Signal Switches/Multiplexers - Video, DP, HDMI, VGA - http://www.pericom.com/products/signal-switch-multiplexers/

Part No.	Description	Analog or Digital?	Voltage	Lanes	Single Ended Channels	Differential Channels	Signal Type	Configuration	Type
PI3HDMI1310-A	3:1 Non-EQ Blocking HDMI Switch	Analog	3.3	0	0	4	Differential	4-differential 3:1 + 3 Side Band	3 to 1
PI3VDP3212	2-Lane DisplayPort1.2 Compliant Switch								
PI3VDP12412	4-Lane DisplayPort 1.2 Switch	Digital	3.3	4	0	4	Differential	1:2 Mux/Demux	SPDT
PI3VDP612-A	x4 Lane DisplayPort 1.1a Switch with Triple Control Logic	Digital	3.3	4	12	6	Differential and Single Ended	6-differential Channel 2:1	SPDT
PI3VEDP212	x2 Lane DisplayPort 1.1a Switch with Triple Control Logic	Digital	3.3	2	6	3	Differential and Single Ended	4-differential Channel 2:1	SPDT
PI3V724	VGA switch with monitor detection	Analog	3.3V/5V	0	3	0	Differential	SPDT or 1:2 DeMux or 2:1 Mux	SPDT
PI3VST01	VGA, HPD signal generator	Analog	3.3V/5V	0	1	0	Differential	SPST	SPST
PI3WVR12612	DisplayPort / HDMI video switch	Digital	3.3	4	0	4	Differential	2:1 or 1:2 DeMux/Mux	SPDT
PI3WVR12412	DisplayPort / HDMI video switch	Digital	3.3	4	0	4	Differential	2:1 or 1:2 DeMux/Mux	SPDT
PI3TB212	10.3Gbps Thunderbolt and DisplayPort Switch	Digital	3.3	5	0	5	Differential	TB-DP Mux/DeMux	SPDT

Analog Switches - http://www.pericom.com/products/signal-switch-multiplexers/

Part No.	Description	Analog or Digital?	Voltage	Lanes	Single Ended Channels	Differential Channels	Signal Type	Configuration	Type
PI3A114-A	1:4 Mux/DeMux with Low Threshold Control Inputs	Analog	3.3	0	1	0	Single Ended	1-channel SP4T	SP4T
PI3A125B	SOTiny Low-Voltage, 8-ohm Single Analog / Bus Switch	Analog	5	0	1	0	Single Ended	1-channel SPST	SPST

Analog Switches - http://www.pericom.com/products/signal-switch-multiplexers/

Part No.	Description	Analog or Digital?	Voltage	Lanes	Single Ended Channels	Differential Channels	Signal Type	Configuration	Type
PI2PCIE212	2 Differential Channel 2:1, PCIe Mux, 1.8V	Analog	1.8	1	0	2	Differential	Mux: 2-differential Channel, 2:1	
PI3A223	Dual SPDT with 0.6-ohm Ron	Analog	3.3	0	2	0	Single Ended	2-channel SPDT	SPDT
PI3A2268	Dual SPDT with 0.45-ohm Ron	Analog	3.3	0	2	0	Single Ended	2-channel SPDT	SPDT
PI3A3159	3.0V, SOTiny, 0.4-ohm SPDT Analog Switch	Analog	3.3	0	1	0	Single Ended	1-channel SPDT	SPDT
PI3A3160	3.0V, SOTiny, 0.4-ohm Dual SPDT Analog Switch	Analog	3.3	0	2	0	Single Ended	1-channel SPDT	SPDT
PI3A3899	Dual-DPDT (0.5?) Analog Switch with Negative Swing Audio	Analog	3.3	0	4	0	Single Ended	2-Channel DPDT	DPDT
PI3A412	Quad SPDT	Analog	3.3	0	4	0	Single Ended	4-channel SPDT	SPDT
PI3A4626	3.0V, SOTiny, 0.4-ohm, SPST Analog Switch	Analog	3.3	0	1	0	Single Ended	1-channel SPST	SPST

LVDS Switches - http://www.pericom.com/products/signal-switch-multiplexers/

Part No.	Description	Analog or Digital?	Voltage	Lanes	Single Ended Channels	Differential Channels	Signal Type	Configuration	Type
PI2LVD412	4-Differential Channel 2:1 Mux/DeMux for LVDS Signals	Analog	1.8	0	8	4	Differential and Single Ended	Mux: 4 Differential Channel, 2:1	SPDT
PI2LVD512	5-Differential Channel 2:1 Mux/DeMux for LVDS Signals	Analog	1.8	0	10	5	Differential and Single Ended	Mux: 5 Differential Channel, 2:1	SPDT
PI3DBV40	3.3V, Wide Bandwidth, 4-channel, 2:1 Mux/DeMux Video Switch with Single Enable	Analog	3	0	8	4	Differential and Single Ended	Mux: 4-channel, 2:1	SPDT
PI3LVD1012	10-Differential Channel 2:1 Mux/ DeMux for LVDS Signals	Analog	3.3	0	20	10	Differential and Single Ended	Mux: 10 Differential Channel, 2:1	SPDT
PI3LVD400	3.3V, 4-Differential Channel High-speed 1:2 Switch with Integrated DDC Switch/ Level-shifter	Analog	3.3	0	10	5	Differential and Single Ended	Mux: 5 Differential Channel, 2:1	SPDT
PI3LVD512	5-Differential Channel 2:1 Mux/DeMux for LVDS Signals	Analog	3.3	0	10	5	Differential and Single Ended	Mux: 5 Differential Channel, 2:1	SPDT
PI3LVD812	8-Differential Channel 2:1 Mux/DeMux for LVDS Signals	Analog	3.3	0	16	8	Differential and Single Ended	Mux: 8 Differential Channel, 2:1	SPDT

LAN Switches - http://www.pericom.com/products/signal-switch-multiplexers/

Part No.	Description	Voltage	Package
PI3L110	Quad 2:1 Mux (Fast Ethernet)	3.3V	16-TSSOP (L16), 16-QSOP (Q16)
PI3L500/500-A	8-channel 2:1 Mux/ Gigabit Ethernet	3.3V	56-TQFN (ZF56)
PI3L720	8-channel 2:1 Mux/ Gigabit Ethernet	3.3V	48-TSSOP (L48), 48-TVSOP (K48)

Active HDMI Switches and Splitters - http://www.pericom.com/products/signal-switch-multiplexers/

Part No.	Product Description	Configuration	Package
PI3HDMI412AD	1:2 3.0Gbps Active HDMI1.4 compliant Splitter/Re-driver with 10kV ESD	4-differential channel 1:2	TQFN(ZB56)
PI3HDMI521	2:1 3.4Gbps HDMI1.4 Switch/Re-driver with built-in ARC and Fast Switching support for Source Application	4-differential channel 2:1	LQFP(FB48)
PI3HDMI621	2:1 3.4Gbps HDMI1.4 Switch/Re-driver with built-in ARC and Fast Switching support for Sink Application	4-differential channel 2:1	LQFP(FB48)
PI3HDMI336	3:1 Active 3.4Gbps HDMI Switch/Re-driver with I²C control and ARC Transmitter	4-differential channel 3:1	LQFP(FB64)
PI3HDMI245-A	4:1 Active 3.0Gbps HDMI Switch/Re-driver with with I²C control	4-differential channel 4:1	TQFN(ZLE72)

Bus Switches - http://www.pericom.com/products/signal-switch-multiplexers/

Part No.	Description	Type	Channel	Voltage	Packages
PI3B Series - 3.3V Bus Switch/Mux with Ultra Low Quiescent Power, Rail-to-Rail					
PI3C3305	2.5V/3.3V, High-BW, 2-Bit, Bus Switch with Individual High Enables	SPST	2	2.5V/3.3V	MSOP (U8), TSSOP (L8)
PI3C3306	2.5V/3.3V, High-BW Bus Switch, 4-Bit, with Individual Enables	SPST	2	2.5V/3.3V	MSOP (U8), TSSOP (L8)
PI3C3125	2.5V/3.3V, High-BW Bus Switch, 4-Bit, with High Enables	SPST	4	2.5V/3.3V	SOIC (W14), TSSOP (L14), TDFN (ZJ16)
PI3C3126	2.5V/3.3V, High-BW Bus Switch, 8-Bit, Hot Insertion	SPST	4	2.5V/3.3V	QSOP (Q16), TSSOP (L14)
PI3C3245	2.5V/3.3V, High-BW Bus Switch, 10-Bit, Hot Insertion	SPST	8	2.5V/3.3V	QSOP (Q20)
PI3C3384	2.5V/3.3V, High-BW Bus Switch, 10-Bit, Hot Insertion	SPST	10	2.5V/3.3V	QSOP (Q24)
PI3C3861-A	2.5V/3.3V, High-BW, 10-Bit Bus Switch (FCT861 Pinout)	SPST	10	2.5V/3.3V	QSOP (Q24)
PI3C32X245	2.5V/3.3V, High-BW Bus Switch, 16-Bit, Hot Insertion	SPST	16	2.5V/3.3V	BQSOP (B40)
PI3C32X384	2.5V/3.3V, High-BW Bus Switch, 20-Bit, Hot Insertion	SPST	20	2.5V/3.3V	BQSOP (B48)
PI3C34X245	2.5V/3.3V, High-BW Bus Switch, 32-Bit, Hot Insertion	SPST	32	2.5V/3.3V	BQSOP (B80)
PI3VT3245-A	8-Bit High-BW Bus Switch, with Low Voltage Translator	SPST	8	2.5V/3.3V	QSOP (Q20), TSSOP (L20)
PI3VT32X245-A	16-Bit, High-BW Bus Switch with Low Voltage Translator	SPST	16	2.5V/3.3V	BQSOP (B40)
PIC/PI3VT Series - 2.5V/3.3V Bus Switch/Mux with High-Bandwidth (> 400MHz), Hot-Insertion, Rail-to-Rail					
PI3CH3305	2-BIT Bus Switch, Enable High, 1.8V/2.5V/3.3V, High BW, Hot Plug	SPST	2	1.8V/2.5V/3.3V	MSOP(U8)/TSSOP (L8)
PI3CH200	2-BIT Bus Switch, Enable Low. 1.8V/2.5V/3.3V, High BW, Hot Plug	SPST	2	1.8V/2.5V/3.3V	TSSOP (L8)
PI3CH400	4-BIT Bus Switch, Enable Low, 1.8V/2.5V/3.3V, High BW, Hot Plug	SPST	4	1.8V/2.5V/3.3V	TSSOP(L14), QFN(ZB14)
PI3CH401	4-BIT Bus Switch, Enable Low, 1.8V/2.5V/3.3V, High BW, Hot Plug	SPST	4	1.8V/2.5V/3.3V	TSSOP(L14)
PI3CH3244	4-BIT Bus Switch, Enable High, 1.8V/2.5V/3.3V, High BW, Hot Plug	PST	8	1.8V/2.5V/3.3V	TSSOP (L20), TQFN (ZH20)
PI3CH800	8-BIT Bus Switch, Enable Low, 1.8V/2.5V/3.3V, High BW, Hot Plug	SPST	8	1.8V/2.5V/3.3V	QSOP (Q20), TSSOP (L20), TQFN (ZH20)
PI3CH3345	8-BIT Bus Switch, 2-Enable High or Low, 1.8V/2.5V/3.3V, Hot Plug	SPST	8	1.8V/2.5V/3.3V	TSSOP (L20), TQFN (ZH20)
PI3CH1010	10-BIT Bus Switch, Enable Low, 1.8V/2.5V/3.3V, High BW, Hot Plug	SPST	10	1.8V/2.5V/3.3V	TSSOP(L24)
PI3CH1000	10-BIT Bus Switch, 2-Enable Low, 1.8V/2.5V/3.3V, High BW, Hot Plug	SPST	10	1.8V/2.5V/3.3V	TSSOP(L24)
PI3CH1012	10-BIT Bus Switch, 2-Enable High and Low, 1.8V/2.5V/3.3V, High BW, Hot Plug	SPST	10	1.8V/2.5V/3.3V	QSSOP(Q24)
PI3CH360	3-Channel 2:1 Mux/DeMux, Enable Low, 1.8V/2.5V/3.3V, High BW, Hot Plug	Mux: 2:1	3	1.8V/2.5V/3.3V	TSSOP (L16)
PI3CH480	4-Channel 2:1 Mux/DeMux, Enable Low, 1.8V/2.5V/3.3V, High BW, Hot Plug	Mux: 2:1	4	1.8V/2.5V/3.3V	QSOP (Q16), TSSOP (L16)
PI3CH281	2-Channel 4:1 Mux/DeMux, Enable Low, 1.8V/2.5V/3.3V, High BW, Hot Plug	Mux: 4:1	2	1.8V/2.5V/3.3V	QSOP (Q16)
PI3CH Series - 1.8V/2.5V/3.3V Bus Switch/Mux with High-Bandwidth (> 500MHz), Hot-Insertion, Beyond Rail-to-Rail					
PI3B3125	3.3V 4-Bit Bus Switch with Individual Enable (Active Low)	SPST	4	3.3V	QSOP (Q16), SOIC (W14), TSSOP (L14)
PI3B3126	3.3V 4-Bit Bus Switch with Individual Enable (Active High)	SPST	4	3.3V	QSOP (Q16), TSSOP (L14)
PI3B3244	3.3V 8-Bit Bus Switch (FCT244 Pinout)	SPST	8	3.3V	TSSOP (L20), QSOP (Q20)
PI3B3245	3.3V 8-Bit Bus Switch (FCT245 Pinout)	SPST	8	3.3V	QSOP (Q20), SOIC (S20), TSSOP (L20)
PI3B3861	3.3V 10-Bit Bus Switch (FCT861)	SPST	10	3.3V	QSOP (Q24)
PI3B32X245	3.3V 16-Bit Bus Switch	SPST	16	3.3V	BQSOP (B40)
PI3B16244	3.3V 16-Bit Bus Switch (FCT16244 Pinout)	SPST	16	3.3V	SSOP (V48), TSSOP (A48)
PI3B32X384	3.3V 20-Bit Bus Switch	SPST	20	3.3V	BQSOP (B48)
PI3B34X245	3.3V 32-Bit Bus Switch	SPST	32	3.3V	BQSOP (B80)
PI3B3251	3.3V 8:1 Multiplexer/Demultiplexer	Mux: 8:1	1	3.3V	QSOP (Q16), TSSOP (L16)
PI3B3253	3.3V Dual 4:1 Multiplexer/Demultiplexer	Mux: 4:1	2	3.3V	QSOP (Q16), TSSOP (L16), SOIC (W16)
PI3B3257	3.3V Quad 2:1 Multiplexer/Demultiplexer	Mux: 2:1	4	3.3V	QSOP (Q16), SOIC (W16), TSSOP (L16)

Bus Switches - http://www.pericom.com/products/signal-switch-multiplexers/

Part No.	Description	Type	Channel	Voltage	Packages
PI3B16226	3.3V 12:24 Low Capacitance Mux/DeMux Bus Switch	Mux: 12:24	1	3.3V	BQSOP (B40)
PI3B16233	3.3V 16:32 Mux/DeMux Bus Switch	Mux: 16:32	1	3.3V	TSSOP (A56)
PI3B33X257	3.3V 24:12 Mux/DeMux Bus Switch	Mux: 24:12	1	3.3V	BQSOP (B48)
PI5C Series - Bus Switch/Mux with Ultra Low Quiescent Power					
PI5C3305	2-Bit Bus Switch with Individual High Enables	SPST	2	5V	MSOP (U8), TSSOP (L8)
PI5C3306	2-Bit Bus Switch with Individual Low Enables	SPST	2	5V	TSSOP (L8), MSOP (U8)
PI5C16861	20-Bit Flow -through Bus Switch (2 Enables)	SPST	4	5V	TSSOP (A48)
PI5C3125	4-Bit Bus Switch with Individual Low Enables	SPST	4	5V	QSOP (Q16)
PI5C3126	4-Bit Bus Switch with Individual High Enables	SPST	4	5V	QSOP (Q16)
PI5C3244	8-Bit, Bus Switch (FCT244 Pinout)	SPST	8	5V	QSOP (Q20), TSSOP (L20)
PI5C3245	8-Bit, Bus Switch Buffers (FCT245 Pinout)	SPST	8	5V	QSOP (Q20), TSSOP (L20)
PI5C16245	16-Bit Bus Switch (FCT16245 Pinout)	SPST	16	5V	TSSOP (A48)
PI5C32X245	16-Bit Bus Switch	SPST	16	5V	BQSOP (B40)
PI5C16210	20-Bit Bus Switch	SPST	20	5V	TSSOP (A48)
PI5C32X384	20-Bit Bus Switch	SPST	20	5V	BQSOP (B48)
PI5C16211	24-Bit Bus Switch	SPST	24	5V	TSSOP (A56)
PI5C33x245	32-Bit Bus Switch	SPST	32	5V	BQSOP (B80)
PI5C3251	8:1 Multiplexer/Demultiplexer	Mux: 8:1	1	5V	QSOP (Q16)
PI5C3253	Dual 4:1, Multiplexer/Demultiplexer Bus Switch	Mux: 4:1	2	5V	QSOP (Q16), SOIC (W16), TSSOP (L16)
PI5C3257	Quad 2:1, Multiplexer/Demultiplexer Bus Switch	Mux: 2:1	4	5V	QSOP (Q16), SOIC (W16), TSSOP (L16)
PI5C3303	2:1 Mux/DeMux Bus Switch	Mux: 2:1	1	5V	SOT23 (T6)
PI5C3309	3:1 Mux/DeMux Bus Switch	Mux: 3:1	1	5V	MSOP (U8)
PI5C3390	16:8, Multiplexer/Demultiplexer	Mux: 16:8	1	5V	QSOP (Q28)
PI5C33X257	24:12 Multiplexer/Demultiplexer Bus Switch	Mux: 24:12	1	5V	BQSOP (B48)

LVDS Tranceiver/Driver/Receiver (Low Voltage Differential Signaling) - http://www.pericom.com/products/interface-logic/lvds/

Part No.	Description	Drive Capability	Signal Converter	Bits Needed	Max Frequency (Mbps)	Industrial Temp
PI90LV01	SOTiny Single LVDS Driver	4mA	LVTTL to LVDS	1	660	-40°C~+85°C
PI90LV017A	Single LVDS Driver	4mA	LVDS tp LVTTL	1	400	-40°C~+85°C
PI90LV02	SOTiny Single LVDS Receiver		LVDS to LVTTL	1	400	-40°C~+85°C
PI90LV027A	Dual LVDS Driver	4mA	LVTTL to LVDS	2	400	-40°C~+85°C
PI90LV028A	Dual LVDS Receiver		LVDS to LVTTL	2	400	-40°C~+85°C
PI90LV031A	Quad LVDS Driver (EN)	4mA	LVTTL to LVDS	4	400	-40°C~+85°C
PI90LV032A	Quad LVDS Receiver (EN)		LVDS to LVTTS	4	400	-40°C~+85°C
PI90LV047A	Quad Flow through Driver	4mA	LVPECL or LVDS to LVDS	4	660	-40°C~+85°C
PI90LV048A	Quad Flow through Receiver		LVDS to LVTTS	4	660	-40°C~+85°C
PI90LV179	Single Transceiver	4mA	LVTTL and/or LVDS to LVTTL and/or LVDS	1	660	-40°C~+85°C
PI90LV9637	Dual LVDS Receiver		LVDS to LVTTS	2	660	-40°C~+85°C
PI90LVB010	SOTiny Single Bus LVDS Transceiver	8mA	LVTTL and/or LVDS to LVTTL and/or LVDS	1	100	-40°C~+85°C
PI90LVT386	16-Wide LVDS Receiver w/Integrated Termination		LVDS to LVTTS	16	660	-40°C~+85°C

Voltage Level Translation - http://www.pericom.com/products/interface-logic/voltage-translation-level-shifters/

Part Number	Description	Type	Channel	Voltage	Package
PI3A/PI5A Series - 1.65V/5V Low Voltage Analog Switch/Mux with Unltra Tiny Package, Ultra Low Quiescent Current, Rail-to-Rail					
PI3A4626	3.0V, SOTiny, 0.4-ohm, SPST Analog Switch	SPST	1	3.3V	SOT23 (T5)
PI3A125B	Single SPST Wide Bandwidth (2ns) Analog Switch, Low Enable	SPST	1	5V	SC70 (C5)
PI3A3159	3.0V, SOTiny, 0.4-ohm SPDT Analog Switch	SPDT	1	3.3V	SOT23 (T6)
PI3A223	Dual SPDT, w/ 0.5 ohm Ron	SPDT	2	3.3V	UQFN (ZM10)
PI3A2268	Dual SPDT, w/ 0.45 ohm Ron	SPDT	2	3.3V	UQFN (ZM10)
PI3A268C	Dual SPDT, w/ 0.6ohm Ron and Negative Voltage Swing Support	SPDT	2	3.3V	UQFN (ZM10)
PI3A3160	3.0V, SOTiny, 0.4-ohm Ron Dual SPDT Analog Switch	SPDT	2	3.3V	TDFN (ZE12)
PI3A412	Quad SPDT, w/ 0.45 ohm Ron	SPDT	4	3.3V	TQFN (ZH16)
PI3A3899	High Speed, Dual DPDT Analog Switch	SPDT	4	3.3V	TQFN (ZT16)
PI5A3167C	Single SPST low Ron (0.8 ohm) Analog Switch, Low Enable	SPST	1	5.5V	SC70 (C5)
PI5A3166	Single SPST low Ron (0.8 ohm) Analog Switch, High Enable	SPST	1	5.5V	SC70 (C5)
PI5A121C	Single SPST Wide Bandwidth (2ns) Analog Switch, Hign Enable	SPST	1	5.5V	SC70 (C5)
PI5A221B	Dual SPST Wide Bandwidth (2ns) Analog Switch, Hign Enable	SPST	2	5.5V	TDFN (ZE8)
PI5A3157B	UDFN 1mmx1mm, Single SPDT Mux/DeMux Switch (Ron 8Ω)	SPDT	1	5.5V	SC70 (C6), UDFN (ZU6)
PI5A4157	UDFN 1mmx1mm, Single SPDT Mux/DeMux Switch (Ron 0.8Ω)	SPDT	1	5.5V	SC70 (C6), UDFN (ZU6)
PI5A4599B	SOTiny Single SPDT Mux/DeMux Switch	SPDT	1	5.5V	SC70 (C6)
PI5A124	High Speed SPDT Analog Switch	SPDT	1	7V	SOT23 (T6)
PI5A3158B	Dual SPDT Mux/DeMux Switch (Ron 8Ω), 350MHZ	SPDT	2	5.5V	TDFN (ZA12)
PI5A4158	Dual SPDT Mux/DeMux Switch (Ron 0.8Ω), 150MHZ, TDFN	SPDT	2	5.5V	TDFN (ZA12)
PI5A23159	Dual SPDT Mux/DeMux Switch (Ron 0.8Ω), 150MHZ, MSOP10	SPDT	2	5.5V	MSOP (U10)
PI5A100	High Speed, Quad SPDT CMOS Analog Switch with Master Enable	SPDT	4	7V	QSOP (Q16)
PI5A392A	7V Quad SPST	SPST	4	7V	QSOP (Q16)
PS Series - 3.3V/17V High Voltage Analog Switch/Mux with High Precision, Low Ron					
PS323	Single Supply, Dual SPST Switch	SPST	2	17V	SOIC (W8)
PS391	Single/Dual Supply, Quad SPST Switch	SPST	4	17V	QSOP(Q16), SOIC(W16)
PS4066A	Low Cost, Precision Quad SPST Switch	SPST	4	17V	SOIC (W14)
PS398	8-channel Mux	SPDT	8	17V	SOIC (W16)

MicroProcessor Supervisory - http://www.pericom.com/products/Power-Management-IC/microprocessor-supervisory-IC/

Part No.	Description	Monitor Types	Reset Threshold	Reset Output	Reset Time	Manual Reset?	Watch Dog Input?
PT7A751x	Active Low Reset output in µP systems with WD and MR function	Single-Voltage Monitors	2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active Low	200ms	Yes	Yes
PT7A752x	Active High Reset output in µP systems with WD and MR function	Single-Voltage Monitors	2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active High	200ms	Yes	Yes
PT7A753x	Power-supply circuitry in µP systems with MR function	Single-Voltage Monitors	2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active Low & High	200ms	Yes	No
PT7M1233-xx#	Bi-direct Active low supervisory circuit	Single-Voltage Monitors	3.3 to 5.5	Bi-Direct, Active Low	200ms	No	No
PT7M1233A-xx#	Bi-direct Active low supervisory circuit	Single-Voltage Monitors	2.5 to 3.3	Bi-Direct, Active Low	200ms	No	No
PT7M1813-xx#	Bi-direct Active low supervisory circuit	Single-Voltage Monitors	3.3 to 5.5	Bi-Direct, Active Low	200ms	No	No
PT7M1818-xx#	Bi-direct Active low supervisory circuit	Single-Voltage Monitors	2.5 to 3.3	Bi-Direct, Active Low	200ms	No	No
PT7M610xCH#	Ultra Low Voltage Detectors	Single-Voltage Monitors	0 to 1.2	Push-Pull, Active High	40us	No	No

MicroProcessor Supervisory - http://www.pericom.com/products/Power-Management-IC/microprocessor-supervisory-IC/

Part No.	Description	Monitor Types	Reset Threshold	Reset Output	Reset Time	Manual Reset?	Watch Dog Input?
PT7M610xCL#	Ultra Low Voltage Detectors	Single-Voltage Monitors	0 to 1.2	Push-Pull, Active Low	40us	No	No
PT7M610xNL#	Ultra Low Voltage Detectors	Single-Voltage Monitors	0 to 1.2	Open-Drain, Active Low	40us	No	No
PT7M61xxCH#	Low power consumption and no delay time supervisory Circuit	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active High	40us	No	No
PT7M61xxCL#	Low power consumption and no delay time supervisory Circuit	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active Low	40us	No	No
PT7M61xxNL#	Low power consumption and no delay time supervisory Circuit	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Active Low	40us	No	No
PT7M62xxCH#	Ultra-low-power voltage detectors for monitor battery, power-supply and system voltages	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active High	20us	No	No
PT7M62xxCL#	Ultra-low-power voltage detectors for monitor battery, power-supply and system voltages	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active Low	20us	No	No
PT7M62xxNL#	Ultra-low-power voltage detectors for monitor battery, power-supply and system voltages	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Active Low	20us	No	No
PT7M6314USxxDx	High Accuracy and Bidirectional output and debounced Reset supervisory Circuit	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Bi-Direct, Active Low	1.4ms, 26ms, 200ms, 1570ms	Yes	No
PT7M6315USxxDx	High Accuracy and Open-drain and debounced Reset supervisory Circuit	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Active Low	1.4ms, 26ms, 200ms, 1570ms	Yes	No
PT7M64xxBL#	Low power consumption with 200ms delay time supervisory Circuit	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Bi-Direct, Active Low	200ms	No	No
PT7M64xxCH#	Low power consumption with 200ms delay time supervisory Circuit	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active High	200ms	No	No
PT7M64xxCL#	Low power consumption with 200ms delay time supervisory Circuit	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active Low	200ms	No	No
PT7M64xxNL#	Low power consumption with 200ms delay time supervisory Circuit	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Active Low	200ms	No	No
PT7M6709A	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709B	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709C	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709D	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709E	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709F	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709G	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709H	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709I	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709J	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709K	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709L	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709M	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709N	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6709O	Quad voltage monitors for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Internal Push-Pull	30us	No	No
PT7M6714A	Quad voltage monitors with 20uA typical Low current for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Active Low	30us	Yes	No

MicroProcessor Supervisory - http://www.pericom.com/products/Power-Management-IC/microprocessor-supervisory-IC/

Part No.	Description	Monitor Types	Reset Threshold	Reset Output	Reset Time	Manual Reset?	Watch Dog Input?
PT7M6714B	Quad voltage monitors with 20uA typical Low current for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Active Low	30us	Yes	No
PT7M6714C	Quad voltage monitors with 20uA typical Low current for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Active Low	30us	Yes	No
PT7M6714D	Quad voltage monitors with 20uA typical Low current for Multi-voltage systems	Multi-Voltage Monitors	0 to 1.2, 1.2 to 1.8, 1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Active Low	30us	Yes	No
PT7M6832xDx#	Ultra Low Voltage Detectors with five different delay time	Single-Voltage Monitors	0 to 1.2, 1.2 to 1.8	Push-Pull, Active Low	0.07ms, 1.5ms, 30ms, 200ms, 1680ms	No	No
PT7M6833xDx#	Ultra Low Voltage Detectors with five different delay time	Single-Voltage Monitors	0 to 1.2, 1.2 to 1.8	Push-Pull, Active High	0.07ms, 1.5ms, 30ms, 200ms, 1680ms	No	No
PT7M6834xDx#	Ultra Low Voltage Detectors with five different delay time	Single-Voltage Monitors	0 to 1.2, 1.2 to 1.8	Open-Drain, Active Low	0.07ms, 1.5ms, 30ms, 200ms, 1680ms	No	No
PT7M6835xDx#	Ultra Low Voltage Detectors with five different delay time	Single-Voltage Monitors	0 to 1.2, 1.2 to 1.8	Push-Pull, Active Low	0.07ms, 1.5ms, 30ms, 200ms, 1680ms	Yes	No
PT7M6836xDx#	Ultra Low Voltage Detectors with five different delay time	Single-Voltage Monitors	0 to 1.2, 1.2 to 1.8	Push-Pull, Active High	0.07ms, 1.5ms, 30ms, 200ms, 1680ms	Yes	No
PT7M6837xDx#	Ultra Low Voltage Detectors with five different delay time	Single-Voltage Monitors	0 to 1.2, 1.2 to 1.8	Open-Drain, Active Low	0.07ms, 1.5ms, 30ms, 200ms, 1680ms	Yes	No
PT7M6838Dx#	Ultra Low Voltage Detectors with five different delay time	Single-Voltage Monitors	0 to 1.2, 1.2 to 1.8	Push-Pull, Active Low	0.07ms, 1.5ms, 30ms, 200ms, 1680ms	No	No
PT7M6839Dx#	Ultra Low Voltage Detectors with five different delay time	Single-Voltage Monitors	0 to 1.2, 1.2 to 1.8	Push-Pull, Active High	0.07ms, 1.5ms, 30ms, 200ms, 1680ms	No	No
PT7M6840Dx#	Ultra Low Voltage Detectors with five different delay time	Single-Voltage Monitors	0 to 1.2, 1.2 to 1.8	Open-Drain, Active Low	0.07ms, 1.5ms, 30ms, 200ms, 1680ms	No	No
PT7M7433	User-Adjustable Active Low Push-pull and SOT23-5 Supervisory Circuit	Single-Voltage Monitors	0 to 1.2, User Adjustable	Push-Pull, Active Low	200ms	No	No
PT7M7434	User-Adjustable Active Low open-drain and SOT23-5 Supervisory Circuit	Single-Voltage Monitors	0 to 1.2, User Adjustable	Open-Drain, Active Low	200ms	No	No
PT7M7435	User-Adjustable Active High open-drain and SOT23-5 Supervisory Circuit	Single-Voltage Monitors	0 to 1.2, User Adjustable	Open-Drain, Active High	200ms	No	No
PT7M7436	User-Adjustable Active Low Push-pull and SOT23-6 Supervisory Circuit	Single-Voltage Monitors	0 to 1.2, User Adjustable	Push-Pull, Active Low	200ms	No	No
PT7M7437	User-Adjustable Active Low open-drain and SOT23-6 Supervisory Circuit	Single-Voltage Monitors	0 to 1.2, User Adjustable	Open-Drain, Active Low	200ms	No	No
PT7M7438	User-Adjustable Active High open-drain and SOT23-6 Supervisory Circuit	Single-Voltage Monitors	0 to 1.2, User Adjustable	Open-Drain, Active High	200ms	No	No
PT7M7803x	Open-Drain Reset output and SOT23-3 supervisory IC	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Open-Drain, Active Low	200ms	No	No
PT7M7809x	Push-pull Reset output and SOT23-3 supervisory IC	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active Low	200ms	No	No
PT7M7810x	Push-pull Active High Reset output and SOT23-3 supervisory IC	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active High	200ms	No	No
PT7M7811xTA	Push-pull Reset output with MR and SOT23-5 supervisory IC	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active Low	200ms	Yes	No
PT7M7811xTB	Push-pull Reset output with MR and SOT143 supervisory IC	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active Low	200ms	Yes	No

MicroProcessor Supervisory - http://www.pericom.com/products/Power-Management-IC/microprocessor-supervisory-IC/

Part No.	Description	Monitor Types	Reset Threshold	Reset Output	Reset Time	Manual Reset?	Watch Dog Input?
PT7M7812xTA	Push-pull Active High Reset output with MR and SOT23-5 supervisory IC	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active High	200ms	Yes	No
PT7M7812xTB	Push-pull Active High Reset output with MR and SOT143 supervisory IC	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active High	200ms	Yes	No
PT7M7823x	Push-pull Reset output with MR and WD function and SOT23-5 supervisory IC	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active Low	200ms	Yes	Yes
PT7M7824x	Push-pull Reset output with WD function and SOT23-5 supervisory IC	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active Low & High	200ms	No	Yes
PT7M7825x	Push-pull Reset output with MR function and SOT23-5 supervisory IC	Single-Voltage Monitors	1.8 to 2.5, 2.5 to 3.3, 3.3 to 5.5	Push-Pull, Active Low & High	200ms	Yes	No

Universal Timer Adjustable - http://www.pericom.com/products/home-appliance/universal-timer-adjustable/

Part No.	Description	Timer Range	Accuracy	Remark
PT8A2511	Multi-Functional Timer (Toaster Controller)			Reheat/Defrost function
PT8A2512	Single Function Timer (Simple Toaster Controller)			
PT8A2513	Simple Timer	1 second - 1 hour	1%-10% (Depend on accuracy of connected R/C)	
PT8A2514A	Multi-Functional Timer (Toaster Controller)			Reheat/Defrost/Bagel function
PT8A2516	Simple Timer	20 minutes - 16 hours	1%-10% (Depend on accuracy of connected R/C)	

Universal Timer Fixed - http://www.pericom.com/products/home-appliance/universal-timer-fixed/

Part No.	Description	Driver Type	One/two Key	Button	50/60 Hz	Remark
PT8A2525FNE	Universal Timer Controller	Relay	One	On-Off	50Hz	Timer: 120 minutes
PT8A2541	Universal Timer Controller	SCR	One	Reset	Optional	Available timer: 15/30/45/60/90/120/240/480 minutes
PT8A2544	Universal Timer Controller	Relay	One	Reset	Optional	Available timer: 15/30/45/60/90/120/240/480 minutes

Real Time Clock (RTC) - http://www.pericom.com/products/clocks/real-time-clock/

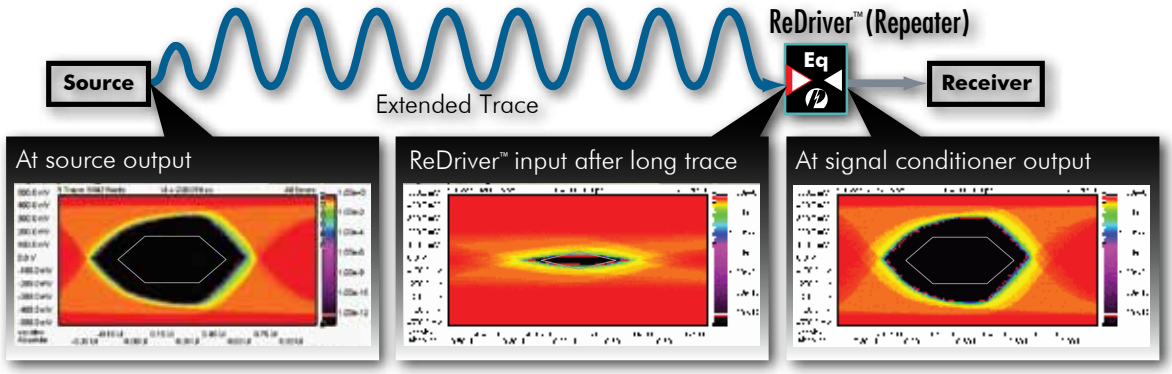
Part No.	Description	Time Delay	NV Ram	Interface	Intergrated μP Supervisory	Intergrated Crystal
PT7C4302	3-wire interface RTC with 31byte NVRAM	12 & 24	31x8	3-Wire	No	No
PT7C4307	I2C Interface with 56Byte NVRAM RTC	12 & 24	56x8	I2C	No	No
PT7C4311	I2C Bus RTC with 56byte NVRAM RTC	24	56x8	I2C	No	No
PT7C43190	3-wire interface RTC and compatible with Seiko 35190	12 & 24		3-Wire	No	No
PT7C4337	I2C Interface RTC and compatible with DS1337	12 & 24		I2C	No	No
PT7C433833	I2C Interface RTC and compatible with DS1338	12 & 24	56X8	I2C	No	No
PT7C43390	2-wire RTC and compatible with Seiko 35390	12 & 24		2-Wire	No	No
PT7C4363	I2C Bus RTC and compatible with PCF8563	24		I2C	No	No
PT7C4372A	Low PD I2C RTC	12 & 24		I2C	No	No
PT7C4563	Low PD I2C RTC and compatible with PCF8563	24		I2C	No	No
PT7C4908	I2C bus interface with Reset function RTC Module	12 & 24	31x8	2-Wire	Yes	No
PT7C4909	I2C bus interface with Reset function RTC Module	12 & 24	31x8	2-Wire	Yes	No
PT7C4910	I2C bus interface with Reset function RTC Module	12 & 24	31x8	2-Wire	Yes	

Signal Integrity Solutions from Pericom

Poor signal quality can significantly impact system performance and reliability. Maintaining eye-pattern signal integrity at the receiver end-points in high-speed, serial-differential protocols, like PCI Express, SATA2 or USB 3.0, is a big challenge for system designers. At high transmission rates, signal integrity issues become increasingly restrictive on the length of PCB trace (or cable length), reducing flexibility and feature implementation. Pericom's ReDriver™ signal conditioning products* correct for signal level attenuation and noise (jitter) using equalization, pre-emphasis/de-emphasis techniques for low bit error rates with high-speed signal protocols including PCI Express®, USB, SATA/SAS standards. Pericom also offers many digital video switches that have proprietary technology for superior signal integrity.

ReDriver™ Product Features:

- Data rates of 2.5Gbps (PCIe), 3.0Gbps (SATA 3Gbps, SAS), 5.0Gbps (USB 3.0, PCIe 2.0), 6Gb (SAS 2), 8.0Gbps (PCIe 3.0), 10Gb (Ethernet -SFI, XFI, ICR), 12Gb (SAS3)
- Pin configured or I2C receiver equalization for each lane
- Pin configured or I2C transmitter de-emphasis & amplitude for each lane
- Input signal level detect & output squelch on all channels
- Electrical idle and OOB support
- Lowest power consumption optimized by protocol
- Standby mode – power down management
- Wide variety of package/feature options



PERICOM'S REDRIVER (REPEATER) ENHANCES SIGNAL INTEGRITY QUALITY

USB 3.0 ReDriver™ (Repeater) -http://www.pericom.com/products/redriver-repeater-ic-signal-conditioners/

Part No.	Function	Package	Applications
PI3EQX501	5.0Gbps Single-Channel USB 3.0 ReDriver with Equalization and Emphasis	TQFN (ZA8)	Tablet, Smartphone, Ultrabook
PI3EQX502	5.0Gbps 1-port USB 3.0 ReDriver with Equalization and Emphasis	TQFN (ZH16)	Tablet , Notebook, Ultrabook
PI3EQX7741	5.0Gbps 1-port USB 3.0 ReDriver with Equalization and Emphasis	TQFN (ZD20)	Notebook, Cabling, Automotive
PI3EQX7742	5.0Gbps 2-port USB 3.0 ReDriver with Equalization and Emphasis	TQFN (ZD42)	Server, Workstation, Notebook
PI3EQX7502	5.0Gbps 1-port USB 3.0 ReDriver with Equalization and Emphasis	TQFN (ZD24)	Notebook, Ultrabook, Server
PI3EQX7841	5.0Gbps 1-port USB 3.0 ReDriver with Equalization and Emphasis and I2C Control	TQFN (ZD20)	Server, Workstation, Notebook
NEW...NEW!	**Contact Pericom about our NEW low voltage / ultra low power USB 3.0 product families sampling NOW!**		

SAS3/SAS2/SATA3/XAUI ReDriver™ (Repeater)
http://www.pericom.com/products/redriver-repeater-ic-signal-conditioners/

Part No.	Protocol	Function	Package
PI2EQX3421	SAS/SATA/XAUI	3.2Gbps 1-port SAS/SATA/XAUI ReDriver/Port 2:1Switch	28-TQFN (ZH28)
PI2EQX6811	SAS/SATA/XAUI	6.5Gbps 1-port SAS/SATA/XAUI ReDriver	20-ZD (TQFN20)
PI3EQX6801/6852B	SAS/SATA/XAUI	6.5Gbps 1-port SAS/SATA/XAUI ReDriver	20-ZD (TQFN20)
PI3EQX6814/6874	SAS/SATA/XAUI	6.5Gbps 4-port SAS/SATA/XAUI ReDriver	100-LFBGA (NJ100)
PI3EQX12801	SAS3/HDMI 2.0	12Gbps 1 Port 2 Channel SAS3 ReDriver	24-TQFN (ZD20)
PI3EQX1204-A	SAS3/HDMI 3.0	12Gbps 4 Channel SAS3 ReDriver	42QFN (ZH42)
PI3EQX12804	SAS3/HDMI 2.0	12Gbps 4 Port 8 Channel SAS3 ReDriver	56QFN (ZF42)

PCI Express ReDriver™ (Repeater) -http://www.pericom.com/products/redriver-repeater-ic-signal-conditioners/

Part No.	Function	Protocol	Data Rate Gbps	Lanes	Input Equalization Options, dB	Output Level Options	Output Swing, mV Max	Output Emphasis, dB	Package
PI2EQX4402D	Equalization and De-emphasis	PCIe	2.5	2	0, 1.5, 2.5, 3.5, 4.5, 5.5, 6.5, 7.5	0.8x, 1.0x, 1.2x, 1.4x	1600	0, -2.5, -3.5, -4.5	84-LFBGA (NB84)
PI2EQX4432D	Equalizer with Flow-through pinout	PCIe	2.5	2	2.5, 6.5	1.0x, 1.2x	1300	0, -3.5	48-TQFN (ZD48)
PI3EQX5801	Equalization and Emphasis/w I²C Control, Low Power	PCIe 2.0	5.0	1	0~15.0	3.0x	1700	0, -3.5, -6.0	20-TQFN (ZD20)
PI2EQX5904	Equalization and Emphasis/w I²C Control	PCIe 2.0	5.0	4	1.2, 1.5, 2.6, 4.3, 5.8, 7.1, 9.0, 12.3	0.5, 0.7, 0.9, 1.0	1100	0, -2.5, -3.5, -4.5, -5.5, -6.5, -7.5, 8.5	100-LBGA (NJ100)
PI2EQX5984	Equalization and Emphasis/w I²C Control	PCIe 2.0	5.0	4	1.2, 1.5, 2.6, 4.3, 5.8, 7.1, 9.0, 12.3	0.5, 0.7, 0.9, 1.0	1100	0, -2.5, -3.5, -4.5, -5.5, -6.5, -7.5, 8.5	72-TQFN (ZL72)
PI3EQX8908	Flow-through pinout 8 channels	PCIe 3.0	2.5/5.0/8.0	4	Contact Pericom for more info				54-TQFN (ZF54)
PI3EQX8984	Interleave Pinout, P2P-PI2EQX8864A	PCIe 3.0	2.5/5.0/8.0	4	Contact Pericom for more info				72-TQFN (ZL72)

10Gb ReDriver™ (Repeater) -http://www.pericom.com/products/redriver-repeater-ic-signal-conditioners/

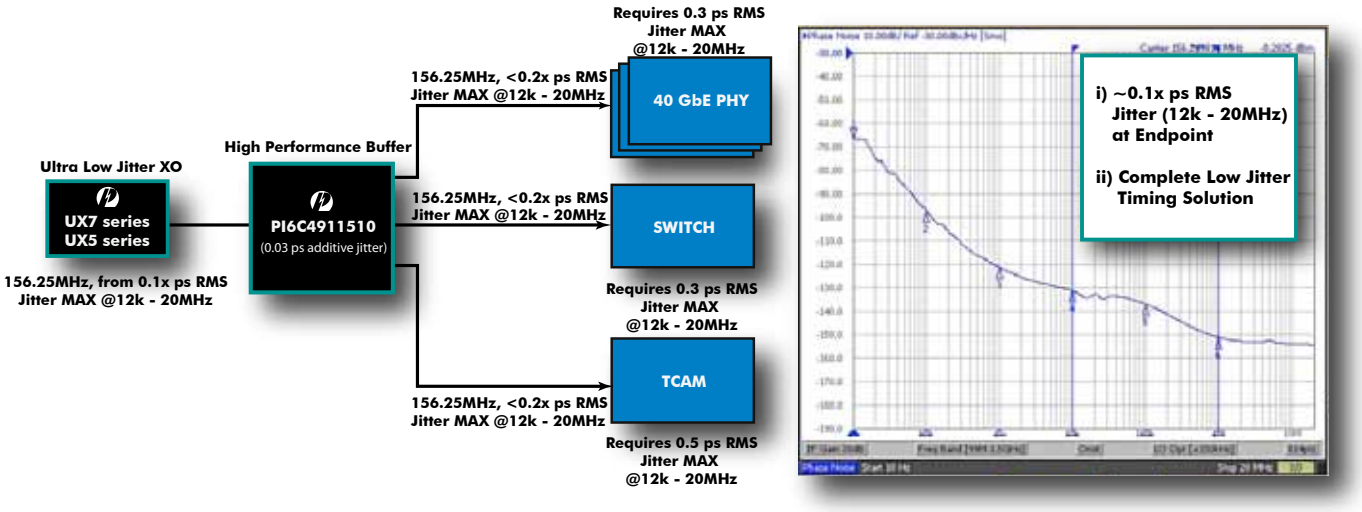
Part No.	Description	Gbps	Input Equalization, dB	Package
PI3EQX10964	4-lane 10Gb ReDriver w/ Equalization & Emphasis, Interleave Pinout	10.0	Contact Pericom for more information	56-TQFN (ZF54)
PI3EQX10908	4-lane 10Gb ReDriver w/ Equalization & Emphasis, Flow-through Pinout 8 channels	10.0	Contact Pericom for more information	56-TQFN (ZF54)

Display Repeater and Level Shifters - http://www.pericom.com/products/signal-switch-multiplexers/

Part No.	Product Description	Configuration	Package
PI3VDP1430	3.0G Dual Mode DisplayPort Level Shifter and Re-driver	4 differential channel 1:1	TQFN(ZBE48)
PI3HDMI511	3.4G HDMI Re-driver & DisplayPort Level Shifter for Source-side application	4 differential channel 1:1	TQFN(ZL32)
PI3HDMI611	3.4G HDMI Re-driver & DisplayPort Level Shifter for Sink-side application	4 differential channel 1:1	TQFN(ZL32)
PI3EQXDP1201	5.4G DP1.2 Re-driver for Source-side application	4 differential channel 1:1	TQFN(ZB48)

Vertically integrated for all your timing needs

Pericom Complete Timing Solution for 40GbE Systems

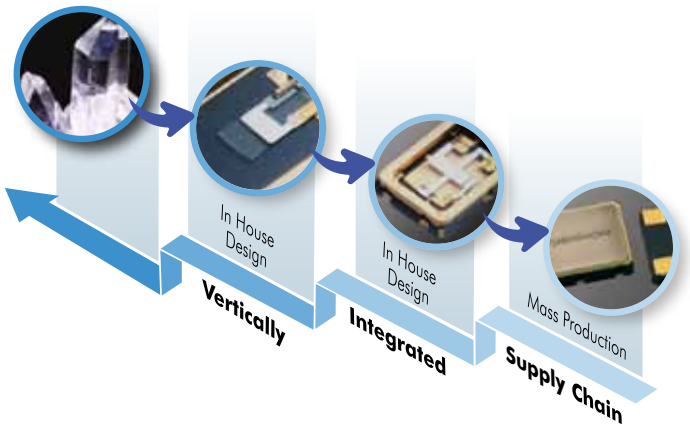


Application Specific Crystal Oscillators - ASSP XO

Pericom's ASSP XO products provide excellent physical performance combining low jitter and low power, with proven technology that is specific to your application.

APPLICATIONS/CONNECTIVITY	OUTPUT FREQUENCY (MHZ)	PACKAGE (MM X MM)	OUTPUT LEVEL	SUPPLY VOLTAGE (V)	ASSP XO PART #
40GE	156.25	7 x 5	LVPECL	3.3	**UX7040GE01**
		5 x 3.2	LVPECL		**UX5040GE01**
10GE/ 10GEPON	156.25	7 x 5	LVCMOS	3.3	**SX10GE156**
			LVPECL		**SN10GE156**
		5 x 3.2	LVPECL		**PD10GE156**
			LVDS		**LD10GE156**
10GE-FC	159.375	7 x 5	LVPECL	3.3	**SN10GE159**
		5 x 3.2			**PD10GE159**
GPON	155.52	7 x 5	LVCMOS	3.3	**SXGPON155**
			LVPECL		**SNGPON155**
		5 x 3.2	LVPECL		**PDGPON155**
			LVDS		**LDGPON155**
PCIe 3.0	100	7 x 5	HCSL	3.3	**SHPCIe100**
		5 x 3.2			**SQPCIE100**
SAS2/SATA3	75	7 x 5	LVCMOS	3.3	**FNSAS2075**
	150	7 x 5 5 x 3.2	LVPECL		**SNSAS2150** **PDSAS2150**
DDR2	133.33	7 x 5	LVCMOS	3.3	**FNDDR1133**
SAS2/ SATA3 HDD	62.5	5 x 3.2	LVCMOS	2.5	**FDSAS2062**
				1.8	**FDSAS6062**
WiFi/Bluetooth	26	2.5 x 2.0	Clipped Sine	1.8	**UJWIFI026**

Pericom's Vertical Integration of Frequency Control Product (FCP)



Benefits

- True Alternate Source (own Oscillator IC)
- Best Lead Time and Supply
- Consistent Quality Control
- Best Cost Structure

SaRonix-eCera is a registered trademark of Pericom Semiconductor.

For complete listing, please visit http://www.pericom.com/products/crystals-and-crystal-oscillators/

HiFlex™ Crystal Oscillators

Package Size (mm)	Pads	Output Logic	Supply Voltage (V)	Frequency Range (MHz)	Jitter	Product Series
3.2 x 2.5 x 1.0	4	LVCMOS	2.5, 3.3	10~212	<1ps RMS	**JX321**
	6	LVPECL	2.5, 3.3	10~400	<1ps RMS	**JX322**
5.0 x 3.2 x 1.2	6	LVCMOS	2.5, 3.3	10~212	<1ps RMS	**JX501**
		LVPECL	2.5, 3.3	10~400	<1ps RMS	**JX502**
7.0 x 5.0 x 2.0	6	LVCMOS	2.5, 3.3	10~212	<1ps RMS	**JX701**
		LVPECL	2.5, 3.3	10~400	<1ps RMS	**JX702**

Differential Output Crystal Oscillator

Package Size (mm)	Pads	Output Logic	Supply Voltage (V)	Frequency Range (MHz)	Jitter	Product Series
3.2 x 2.5 x 1.2	6	LVDS	2.5, 3.3	25~162	<1 ps RMS	**LK 2.5V/LK 3.3V**
		LVPECL	2.5, 3.3	25~162	<1 ps RMS	**PK 2.5V/PK 3.3V**
5.0 x 3.2 x 1.2	6	LVDS	2.5, 3.3	25~162	<1 ps RMS	**LD 2.5V/LD 3.3V**
		LVPECL	2.5, 3.3	25~162	<1 ps RMS	**PD 2.5V/PD 3.3V**
		HCSL	2.5, 3.3	100~156.25	<1 ps RMS	**SQ 2.5V/SQ 3.3V**
		LVDS	2.5, 3.3	50~212.5	<1 ps RMS	**WX503**
		LVPECL	2.5, 3.3	50~212.5	<1 ps RMS	**WX502**
7.0 x 5.0 x 2.0	6	LVDS	3.3	1~800	<3 ps RMS	**LN 3.3V**
		LVPECL	2.5, 3.3	25~162	<1 ps RMS	**PB 2.5V/PB 3.3V**
		LVPECL	3.3	1~800	<3 ps RMS	**PN 3.3V/PN 3.3V**
		LVPECL	2.5, 3.3	50~220	<1 ps RMS	**SN 3.3V/SN 2.5V**
		LVDS	2.5, 3.3	25~162	<1 ps RMS	**PX 2.5V/PX 3.3V**
		HCSL	2.5, 3.3	100~156.25	<1 ps RMS	**SP 2.5V/3.3V**
		LVDS	2.5, 3.3	50~212.5	<1 ps RMS	**WX703**
		LVPECL	2.5, 3.3	50~212.5	<1 ps RMS	**WX702**

LVCMOS Crystal Oscillator

Pericom's LVCMOS XO provides the best-in-class jitter performance and wide frequency range. Along with our complete voltage selection from 1.0V to 3.3V, Pericom can fulfill all your LVCMOS XO requirements.

Package Size (mm)	Pads	Supply Voltage (V)	Frequency Range (MHz)	Jitter	Product Series
2.0 x 1.6 x 0.6	4	1.2, 1.8, 2.5, 3.3, 1.0	1~66	<1 ps RMS	**VM 1.2V/VM 1.8V/VM 2.5V/VM 3.3V**
2.0 x 1.6 x 0.75	4	1.2, 1.8, 2.5, 3.3, 1.0	1~66	<1 ps RMS	**FM 1.2V/FM 1.8V/FM 2.5V/FM 3.3V**
2.5 x 2.0 x 0.9	4	1.2, 1.0	1~60	<1 ps RMS	**FJ 1.2V**
		1.8, 2.5, 3.3	1~75	<1 ps RMS	**FJ 1.8V/FJ 2.5V/FJ 3.3V**
3.2 x 2.5 x 1.0	4	1.2, 1.0	1~66	<1 ps RMS	**FK 1.2V**
		1.8, 2.5, 3.3	1~156.25	<1 ps RMS	**FK 1.8V/FK 2.5V/FK 3.3V**
5.0 x 3.2 x 1.2	4	1.2, 1.0	1~66	<1 ps RMS	**FD 1.2V**
		1.8, 2.5, 3.3	1~156.25	<1 ps RMS	**FD 1.8V/FD 2.5V/FD 3.3V**
		2.5, 3.3	50 ~ 212.5	<1 ps RMS	**WX501**
7.0 x 5.0 x 1.4	4	1.2, 1.0	1~66	<1 ps RMS	**FN 1.2V**
		1.8, 2.5, 3.3	1~166	<1 ps RMS	**FN 1.8V/FN 2.5V/FN 3.3V**
		2.5, 3.3	50 ~212.5	< 1 ps RMS	**WX701**

LVCMOS Spread Spectrum Crystal Oscillator

For designs that have tight system EMI requirements, a spread spectrum oscillator is required to reduce system EMI. Pericom has a complete portfolio of spread spectrum XOs with LVCMOS output.

Package Size (mm)	Pads	Supply Voltage (V)	Frequency Range (MHz)	Jitter	Product Series
3.2 x 2.5 x 1.0	4	2.5	1~166	<200 ps cy-cy	**MK 2.5V**
		3.3	1~200	<200 ps cy-cy	**MK 3.3V**
5.0 x 3.2 x 1.3	4	2.5	1~166	<200 ps cy-cy	**MD 2.5V**
		3.3	1~200	<200 ps cy-cy	**MD 3.3V**
7.0 x 5.0 x 1.8	4	2.5	1~166	<200 ps cy-cy	**MN 2.5V**
		3.3	1~200	<200 ps cy-cy	**MN 3.3V**

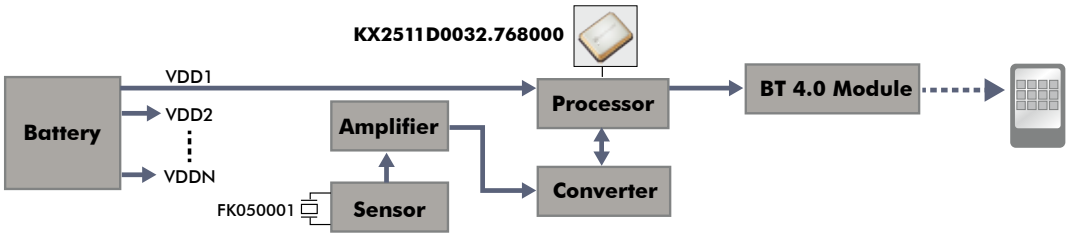
Clipped Sinewave Crystal Oscillator

Lower your designs power consumption and EMI with Pericom's Clipped Sinewave XO. Using this unique XO, your design can benefit from power consumption lowered by 50% and EMI reduction of 30% without sacrificing performance.

Package Size (mm)	Pads	Supply Voltage (V)	Frequency Range (MHz)	Jitter	Product Series
2.0 x 1.6 x 0.6	4	1.8	10~60	<2 ps RMS	**UM 1.8V**
2.5 x 2.0 x 0.9	4	1.8	10~60	<2 ps RMS	**UJ 1.8V**
3.2 x 2.5 x 1.0	4	1.8	10~60	<2 ps RMS	**UK 1.8V**

Tight Frequency Stability 32.768 kHz (32k) LVCMOS Crystal Oscillator

Package Size (mm)	Pads	Supply Voltage (V)	Frequency Stability (ppm)	Current Consumption (μA)	Product Series
2.5 x 2.0 x 0.9	4	1.8, 2.5, 3.3	20 ~ 50	10	**KX251**
3.2 x 2.5 x1.0	4	1.8, 2.5, 3.3	20 ~ 50	10	**KX321**
5.0 x 3.2 x 1.2	4	1.8, 2.5, 3.3	20 ~ 50	10	**KX501**
3.2 x 2.5 x1.0	4	1.8, 2.5, 3.3	20 ~ 50	80~300	**KK 1.8V/ 2.5V/ 3.3V**
5.0 x 3.2 x 1.2	4	1.8, 2.5, 3.3	20 ~ 50	80~300	**KD 1.8V/ 2.5V/ 3.3V**
7.0 x 5.0 x 1.4	4	1.8, 2.5, 3.3	20 ~ 50	80~300	**KN 1.8V/ 2.5V/ 3.3V**



Low Power 32 KHz XO Application - Blue Tooth Medical Monitor Device

Application Specific Crystal Oscillators -VCXO

APPLICATIONS/ CONNECTIVITY	Pads	Frequency (MHz)	PACKAGE SIZE (MM)	OUTPUT LEVEL	Supply Voltage (V)	ASSP VCXO Part #
10GE/ 10GEPON	6	156.25	7 x 5	LVPECL	3.3	**PRETHE156**
GbE	4	125	7 x 5	LVCMOS	3.3	**YNETHE125**
		25			3.3	**FRETHE025**
CPRI	4	61.440	7 x 5	LVCMOS	3.3	**FRBST1061**
	6	122.880		LVPECL	3.3	**PRBST1122**
OC-3	4	19.440	7 x 5	LVCMOS	3.3	**FRSONT019**
OC-12	4	38.880	7 x 5		3.3	**FRSONT038**
OC-24	4	77.760	7 x 5		3.3	**FRSONT077**
OC-48	6	155.520	7 x 5	LVPECL	3.3	**PRSONT155**
n x T1	4	16.384	7 x 5	LVCMOS	3.3	**FRTELE016**
xDSL	4	35.328	7 x 5		3.3	**FRXDSL035**
WiMax	4	153.600	7 x 5	LVCMOS	3.3	**YNWMAX153**
MPEG-2	4	27.000	7 x 5	LVCMOS	3.3	**FRSTB1027**

Voltage Controlled Crystal Oscillator (VCXO)

Package Size (mm)	Pads	Output Logic	Supply Voltage (V)	Frequency Range (MHz)	Jitter	Product Series
2.5 x 2.0 x 0.9	4	LVCMOS	3.3, 2.5, 1.8V	1~66	<1 ps RMS	**YJ 3.3V**
3.2 x 2.5 x 1.0	4	LVCMOS	3.3, 2.5, 1.8V	1~66	<1 ps RMS	**YK 3.3V**
5.0 x 3.2 x 1.3	4	LVCMOS	3.3, 2.5, 1.8V	1~66	<1 ps RMS	**YD 3.3V**
7.0 x 5.0 x 2.0	6	LVPECL	3.3	19.44~800	<3 ps RMS	**PR 3.3V**
		LVDS	3.3	19.44~800	<3 ps RMS	**LR 3.3V**
		LVCMOS	3.3	66~166	<3 ps RMS	**YN 3.3V**
		LVCMOS	3.3, 2.5, 1.8V	1~ 77.76	<1 ps RMS	**FR 3.3V**

Temperature Compensated Crystal Oscillator (TCXO)

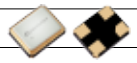
TCXOs are used to ensure that frequency variance is minimal across different temperatures.

Package Size (mm)	Pads	Output Logic	Supply Voltage (V)	Frequency Range (MHz)	Frequency Stability (ppm)	Product Series
2.5 x 2.0 x 0.8	4	Clip Sine	1.8 ~ 3.3	10 ~ 52	0.5 ~5	**WT255**
2.5 x 2.0 x 0.8.	4	Clip Sine	1.8 ~ 3.3	13~52	0.5 ~5	**JT255**
3.2 x 2.5 x 1.2	4	Clip Sine	1.8 ~ 3.3	10 ~ 32	0.5 ~5	**WT325**

Voltage Controlled TCXO (VCTCXO)

Package Size (mm)	Pads	Output Logic	Supply Voltage (V)	Frequency Range (MHz)	Frequency Stability (ppm)	Product Series
2.5 x 2.0 x 0.8	4	Clip Sine	1.8 ~ 3.3	10 ~ 52	0.5 ~2	**WC255**
3.2 x 2.5 x 1.2	4	Clip Sine	1.8 ~ 3.3	10 ~ 32	0.5 ~2	**WC325**

MHz Quartz Crystal:



Pericom's quartz MHz crystals are produced in our own wholly owned factories allowing us to provide quick samples and customization for your needs.

Package Size (mm)	Pads	Frequency Range (MHz)	Package Description	Product Series
1.6 x 1.2 x 0.3	4	24~66	Au-Sn Sealed SMD Ceramic	**US**
2.0 x 1.6 x 0.3	4	24~66	Au-Sn Sealed SMD Ceramic	**UW**
2.0 x 1.6 x 0.45	4	66~54	Seam Sealed SMD Ceramic	**FW**
2.5 x 2.0 x 0.6	4	12~66	Seam Sealed SMD Ceramic	**FH**
3.2 x 2.5 x 0.65	4	12~66	Seam Sealed SMD Ceramic	**FL**
3.2 x 2.5 x 0.75	4	12~66	Glass Sealed SMD Ceramic	**FQ**

For complete package size options, including 5 x 3.2mm and 7 x 5mm, please visit www.pericom.com/fcp

kHz Tuning Fork Crystal

Pericom's kHz tuning fork crystals are used in a variety of applications including communication and measuring equipment, commercial and industrial applications, automotive electronics.

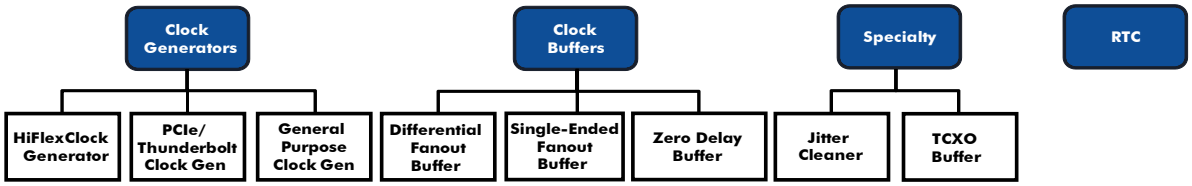
Package Size (mm)	Pads	Frequency (kHz)	Package Description	Product Series
8.0 x 3.0 x 18.8	2	32.768	Tubular Tuning Fork, Through-Hole	**G1**
6.0 x 2.0 x 18.8	2	32.768	Tubular Tuning Fork, Through-Hole	**G2**
6.0 x 2.0 x 9.0	2	32.768	Tubular Tuning Fork, SMD	**G3**
8.0 x 3.8 x 2.5	4	32.768	Plastic Molded Tuning Fork, SMD	**G4**
7.0 x 1.5 x 1.4	4	32.768	Plastic Molded Tuning Fork, SMD	**G5**

Temperature Sensing Crystal (TSX)

Pericom's TSX products are used in mobile and consumer devices where temperature compensation is handled by the processor

Package Size (mm)	Pads	Frequency (MHz)	Frequency Stability (ppm)	Frequency Stability Slope (ppb/°C)	Thermistor B Constant	Product Series
2.5 x 2.0 x 0.9	4	19.2 & 26	+/- 12	50	4250	**HH**

Pericom Clock ICs

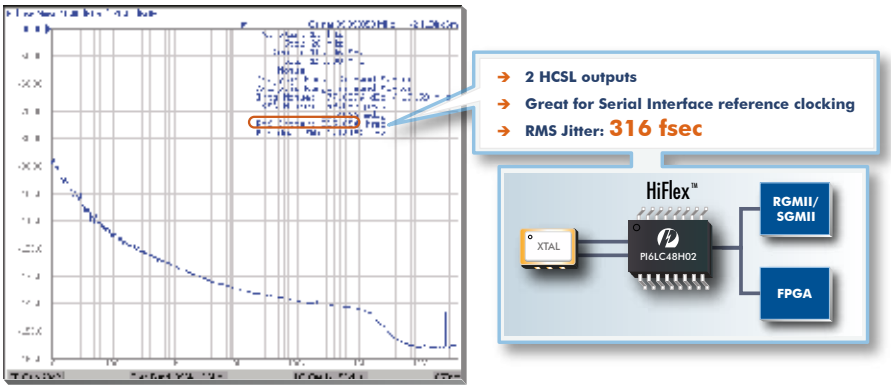


HiFlex™ Clock Generators

➔ Provides maximum flexibility for designs

➔ Provides BOM cost and board space reduction

➔ Provides high performance integrated clock sources



No. of Outputs	Output Freq. (MHz)	Output Voltage (V)	Jitter (typ) (ps)	Package	Part Number
9	A: 5 LVPECL/LVDS 312.5/156.25/125 B: 3 LVPECL/LVDS 312.5/156.25/125 C: 1 LVPECL/LVDS 312.5/156.25/125	3.3	0.5	48-TQFN	**PI6LC4820**
5	1 LVPECL Ref Clock (25MHz) A: 3 HCSL 100MHz, 1 LVCMOS 100MHz B: 1 LVCMOS 100/50	3.3	0.4	32-TQFN	**PI6LC4830**
10	1 LVCMOS Ref Clock (25MHz) A; 3 LVCMOS 25/50 B: 3 LVCMOS 125MHz C: 3 LVDS 125MHz	3.3	0.35	32-TQFN	**PI6LC4840**
17	12 complimentary LVCMOS Ref clock (25MHz) A: 2 HCSL 100MHz B: 2 Complimentary LVCMOS 24MHz C: 1 HCSL 100/200 with Spread	3.3	2.3 (PCIe 2.0)	56-TQFN	**PI6LC4831A**
14	4x HCSL 100/125/200/250 MHz w/ OE and SS 2x LVCMOS 33/66/50/100MHz, SS capable 5x LVCMOS 25/125 MHz 1x LVPECL 312.5/156.25/125 MHz 1x LVCMOS 156.25/125 MHz 1x LVPECL 25/125 MHz	2.5 / 3.3	0.5	56-TQFN	**PI6LC4833**
7	1x LVCMOS 25MHz 2x LVPECL/LVDS 100/125 MHz 1x LVPECL/LVDS 156.25 MHz 2x LVPECL/LVDS 106.25 MHz 1x LVCMOS 33 MHz	3.3	0.5	40-TQFN	**PI6LC4872**
2	2x LVPECL 125.5MHz	2.5 / 3.3	0.3	8-TSSOP	**PI6LC48P21**
1	1x LVPECL 156.25MHz	2.5 / 3.3	0.3	8-TSSOP	**PI6LC48P25104**
1	1x CMOS 125MHz	2.5 / 3.3	0.33	8-TSSOP	**PI6LC48C21**
2	2x LVPECL106.25/12.5/159.375MHz	2.5 / 3.3	0.32	20-TSSOP	**PI6LC48P02**
2	2x LVPECL 62.5/125/156.25MHz	2.5 / 3.3	0.33	20-TSSOP	**PI6LC48P0201**
2	2x LVDS 62.5/125/156.25MHz	2.5 / 3.3	0.32	20-TSSOP	**PI6LC48L0201**
3	3x LVPECL 125/156.25/312.5/ 625MHz	2.5 / 3.3	0.3	20-TSSOP	**PI6LC48P03**
3	3x LVPECL125/150/156.25/200/250/155.52MHz	2.5 / 3.3	0.32	24-TSSOP	**PI6LC48P0301**
4	4x LVPECL 62.5/125/156.25MHz	2.5 / 3.3	0.28	20-TSSOP	**PI6LC48P0401**
2	2x HCSL 25/100/125/ 200Mhz	3.3	0.3	16-TSSOP	**PI6LC48H02**

PCIe Timing Solution & Thunderbolt Clock Generators

➔ Extensive portfolio covering PCIe Gen 1, 2 and 3

No. of Outputs	Output Freq. (MHz)	PCIe Gen	Output Voltage (V)	Thunderbolt Capable	Package	Part Number
1	100MHz HCSL	3	3.3	Yes	16-TQFN	**PI6C557-01B**
2	1x 100MHz HCSL 1x 33MHz LVCMOS	1	3.3	No	16-TSSOP	**PI6C557-10**
2	2x 100MHz HCSL	2/ 3	3.3	Yes	16-TSSOP	**PI6C557-03A/ B**
4	4x 100MHz HCSL	2/ 3	3.3	Yes	20-TSSOP	**PI6C557-05/ B**

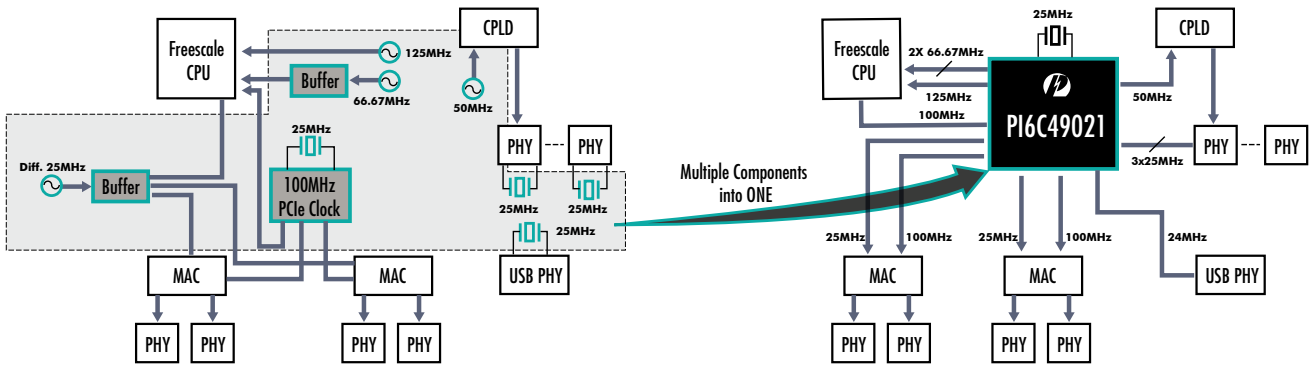
PCIe Embedded Clock Generators

➔ Extensive portfolio of clock generators for use in embedded, wireless networking applications

No. of Outputs	Output Freq. (MHz)	Output Type	Output Voltage (V)	Jitter (typ) (ps)	Package	PartNumber
9	5x 100MHz, 2x 50MHz, 1x 33/66/133MHz, 1x 32.256MHz	HCSL, LVCMOS	3.3	3.1	48-TSSOP	**PI6C49003**
16	12x 100MHz, 2x 50MHz, 1x 33/66/133MHz, 1x 32.256MHz	HCSL, LVCMOS	3.3	3.1	56-TSSOP	**PI6C49004/ A**
12	6x 100MHz, (1+1)x 33/50/66/100/133MHz, 1x 125MHz, 3x 25MHz	HCSL, LVCMOS	3.3	3.1	48-TSSOP	**PI6C49005**
12	4x 100MHz. (2+2)x 33/50/66/100/133MHz, 1x 125MHz, 3x 25MHz	HCSL, LVCMOS	3.3	3.1	48-TSSOP	**PI6C49006**
4	1x 200MHz, 2x 25MHz, 1x 32.256MHz	HCSL, LVCMOS	3.3	3.1	28-TSSOP	**PI6C49014**
7	5x 100MHz, 2x 25MHz	HCSL, LVCMOS	3.3	3.1	28-TSSOP	**PI6C49015**
6	3x 100MHz, 1x 125MHz, 1x 80MHz, 66.66MHz	HCSL, LVCMOS	3.3	3.1	40-TQFN	**PI6C49016**
8	4x 100MHz, 1x 125MHz, 1x 80MHz, 1x 66.66MHz, 1x 60Mhz	HCSL, LVCMOS	2.5 / 3.3	3.1	40-TQFN	**PI6C49018**
9	4x 100MHz, 1x 125MHz, 1x 33/67.33MHz, 1x 25MHz, 1x 48Mhz, 1x 19.2MHz	HCSL, LVCMOS	3.3	3.1	48-TSSOP	**PI6C49019**
14	3x 100MHz, 2x 66.667MHz, 1x 125MHz, 2x 50MHz, 5x 25MHz, 1x 24Mhz, 1x 19.2MHz	HCSL, LVCMOS	3.3	3.1	48-TSSOP	**PI6C49021**
4	3x 25 MHz, 1x 8.192MHz	LVCMOS	1.8 ~ 3.3	1.5	16-TSSOP	**PI6C490086**
4	3x 25 MHz, 1x 32.768kHz	LVCMOS	1.8 ~ 3.3	1.5	16-TSSOP	**PI6C490097**
4	4x LVCMOS outputs	LVCMOS	1.8 ~ 3.3	1.5	16-TSSOP	**PI6C490094**

PCIe Embedded Clock in the Ethernet Switch Application

➔ Combine multiple timing components into one PCIe embedded clock generator

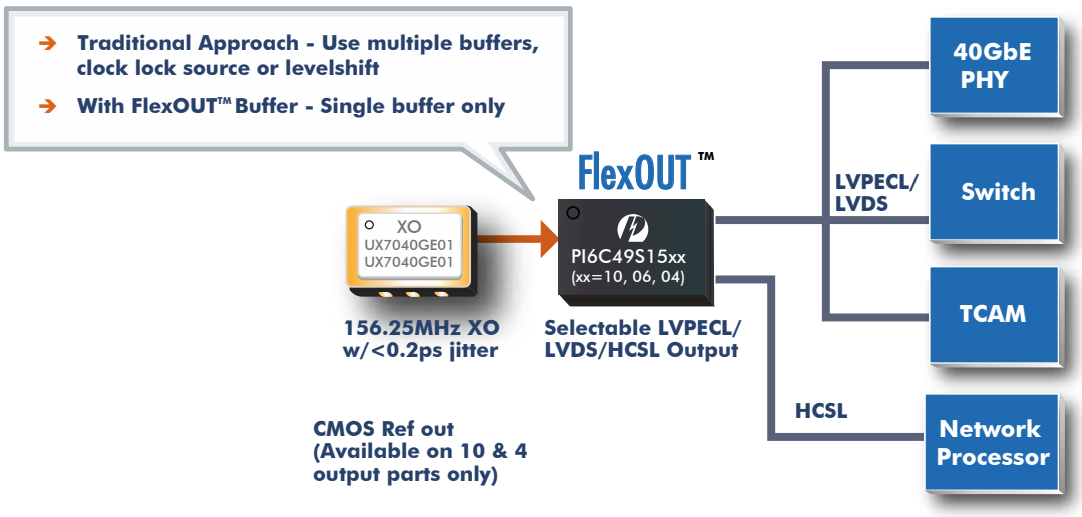


Discrete Component Timing Solution **Pericom PCIe Embedded Clock Solution**

Differential Fanout Buffers

- ➔ Provides ultra low additive jitter <0.03ps RMS
- ➔ Provides maximum flexibility for designs
- ➔ Provides BOM cost and board space reduction

No. of Outputs	Output Freq.(MHz)	Output type	Output Voltage (V)	Additive Jitter (typ) (ps)	Package	Part Number
10	1500	LVPECL,LVDS, HCSL	2.5 / 3.3	0.03	48-TQFN	**PI6C49S1510**
10	1500	LVPECL	2.5 / 3.3	0.03	32-TQFN/TQFP	**PI6C4911510**
10	1500	LVPECL	2.5 / 3.3	0.03	32-TQFP	**PI6C4911510-05**
10	500	LVPECL	2.5 / 3.3	0.05	32-TQFP	**PI6C4853111**
6	1500	LVPECL,LVDS, HCSL	2.5 / 3.3	0.03	32-TQFP	**PI6C49S1506**
6	1500	LVDS	2.5 / 3.3	0.03	24-TSSOP	**PI6C4921506**
6	1500	LVPECL	2.5 / 3.3	0.03	24-TSSOP	**PI6C4911506-06**
5	1500	LVPECL	2.5 / 3.3	0.03	20-TSSOP	**PI6C4911505**
5	1500	LVPECL	2.5 / 3.3	0.03	20-TSSOP	**PI6C4911505-04**
5	1500	LVPECL	2.5 / 3.3	0.03	20-TSSOP	**PI6C4911505-07**
4	250	HCSL	2.5 / 3.3	0.1	20-TSSOP	**PI6C4931504-04**
4	1500	LVPECL,LVDS, HCSL	2.5 / 3.3	0.03	20-TSSOP	**PI6C49S1504**
4	1500	LVPECL	2.5 / 3.3	0.03	20-TSSOP	**PI6C4911504-03**
4	500	LVPECL	3.3	0.05	20-TSSOP	**PI6C48535-11B**
4	500	LVPECL	3.3	0.04	20-TSSOP	**PI6C48535-01B**
4	800	LVPECL	3.3	0.05	20-TSSOP	**PI6C48533-01**
4	650	LVDS	3.3	0.05	20-TSSOP	**PI6C48545**
4	800	LVDS	3.3	0.05	20-TSSOP	**PI6C48543**
2	800	LVPECL	3.3	0.05	8-SOIC	**PI6C485311**
2	250	HCSL	2.5 / 3.3	0.1	16-TSSOP	**PI6C4931502-04**



Single Ended Fanout Buffers (LVCMOS)

➔ Provides high performance, fast rise/ fall times

➔ Provides BOM cost and board space reduction

No. of Outputs	Output Freq. (MHz)	Input Type	Output Voltage (V)	Package	Part Number
18	100	LVTTL	3.3	48-SSOP	**PI6C180**
18	140	LVTTL	3.3	48-SSOP	**PI6C180B**
13	100	LVTTL	3.3	28-SSOP	**PI6C184**
Varies	Varies	LVCMOS	2.5	Varies	**PI49FCT2080x**
Varies	Varies	LVCMOS	3.3	Varies	**PI49FCT3280x**
Varies	Varies	LVCMOS	3.3	Varies	**PI49FCT380x**
10	250	LVTTL, LVCMOS	1.8 / 2.5	20-TSSOP, SSOP	**PI6C10807**
10	250	LVTTL, LVCMOS	1.2 / 1.5 / 1.8 / 2.5	20-TSSOP	**PI6C10810**
10	110	LVTTL	3.3	28-SSOP	**PI6C182**
10	125	LVTTL	3.3	28-SSOP	**PI6C182A**
10	140	LVTTL	3.3	28-SSOP	**PI6C182B**
10	200	Crystal, LVTTL, LVCMOS, Differential	1.5 / 1.8 / 2.5 / 3.3	32-QFN	**PI6C49X0210**
8	200	Crystal, LVTTL, LVCMOS, Differential	1.2/ 1.5 / 1.8 / 2.5 / 3.3	32-QFN	**PI6C49X0208**
6	100	Crystal, LVCMOS	1.8 / 2.5 / 3.3	16-TSSOP	**PI6C10806B**
4	250	LVTTL, LVCMOS	1.8,/ 2.5	8-SOIC	**PI6C10804**
4	160	LVTTL, LVCMOS	3.3 / 5	8-SOIC	**PI6C18551**
4	200	LVCMOS	1.2, / 1.5	8-SOIC	**PI6CL10804**
4	160	LVTTL, LVCMOS	3.3	8-SOIC, TSSOP	**PI6CV2304**
4	160	LVTTL, LVCMOS	3.3	8-SOIC, TSSOP	**PI6CV304**
2	250	LVTTL, LVCMOS	2.5 / 3.3	8-SOIC	**PI6C49X0202**
1	360	LVTTL, LVCMOS	2.5 / 3.3	8-SOIC	**PI6C49X0201**

Zero Delay Buffers

➔ Provides low jitter, low skew and high frequency outputs

No. of Outputs	Output Freq. (MHz)	Input / Output Type	Output Voltage (V)	Jitter (typ) (ps)	Package	PartNumber
12	400	HCSL	3.3	50	56-TSSOP	**PI6C21200A**
10	220	LVCMOS	3.3, 2.5	150	24-TSSOP	**PI6C22510**
9	220	LVTTL	3.3, 2.5	100	16-SOIC, TSSOP	**PI6C22409-1H**
9	200	LVTTL	3.3, 2.5	100	16-SOIC, TSSOP	**PI6C22409**
9	150	LVCMOS	3.3	75	24-TSSOP	**PI6C2509-133**
9	133	LVTTL	3.3	200	16-SOIC	**PI6C2409-1**
9	133	LVTTL	3.3	200	16-SOIC, TSSOP	**PI6C2409-1H**
8	140	LVTTL	3.3	200	16-TSSOP	**PI6C2408-2**
8	140	LVTTL	3.3	200	16-TSSOP	**PI6C2408-1**
8	140	LVTTL	3.3	200	16-TSSOP	**PI6C2408-1H**
8	140	LVTTL	3.3	200	16-SOIC	**PI6C2408-3**
8	100	HCSL	3.3	50	48-TSSOP, SSOP	**PI6C20800**

Zero Delay Buffers cont..

No. of Outputs	Output Freq. (MHz)	Input/ Output Type	Output Voltage (V)	Jitter (typ) (ps)	Package	PartNumber
8	95-105	HCSL	3.3	60	48-TSSOP	**PI6C20800B**
8	95-105	HCSL	3.3	70	48-TSSOP, SSOP	**PI6C20800S**
5	200	LVTTL	3.3, 2.5	100	8-SOIC, TSSOP	**PI6C22405**
5	220	LVTTL	3.3, 2.5	100	8-SOIC, TSSOP	**PI6C22405-1H**
5	133	LVTTL	3.3	200	8-TSSOP	**PI6C2405A-1**
5	133	LVTTL	3.3	200	8-SOIC, TSSOP	**PI6C2405A-1H**
4	134	LVCMOS	3.3	75	16-QSOP	**PI6C2504A**
4	133	LVTTL	3.3	200	24-QSOP, TSSOP	**PI6C2410**
4	100	HCSL	3.3	50	28-SSOP, TSSOP	**PI6C20400**
4	100	HCSL	3.3	50	28-SSOP, TSSOP	**PI6C20400A**
4	100	HCSL	3.3	50	28-SSOP, TSSOP	**PI6C20400B**
4	100	HCSL	3.3	50	20-TQFN	**PI6PCIEB24**
1	134	LVTTL	3.3	100	8-SOIC	**PI6C2402**
1	134	LVTTL	3.3	100	8-SOIC	**PI6C2502A**

Speciality Clocks

➔ Speciality functions for unique applications

Function	No. of Outputs	Output Freq. (MHz)	Output type	Output Voltage (V)	Package	Part Number
Jitter Cleaner	1	25	LVCMOS	3.3	20-TSSOP	**PI6CX201A**
Clipped Sinewave Buffer	2	19.2 ~ 52	Clipped Sinewave	1.5	10-UQFN	**PI6UMC10802**

Real Time Clock

Time Display (Hour)	Programmable Square Wave Output (Hz)	Alarm Interrupt	Clock Calibration	Interface	Package	PartNumber
12/24	/	/	/	3-Wire	8-DIP, SOIC, DFN	**PT7C4302**
12/24	1, 4.096k, 8.192k, 32.768k	/	/	I2C	8-DIP, SOIC, DFN	**PT7C4307**
12/24	1, 4.096k, 8.192k, 32.768k	√	/	I2C	8-DIP, SOIC, MSOP, DFN	**PT7C4337**
12/24	1, 4.096k, 8.192k, 32.768k	/	/	I2C	8-SOIC, MSOP, DFN	**PT7C433833**
24	1~8192, 32.768k	√	√	I2C	8-SOIC, DFN	**PT7C4311**
24	1, 32, 1.024k, 32.768k	√	/	I2C	8-DIP, SOIC	**PT7C4363**
12/24	1, 2, 32.768k, 32k	√	√	I2C	8-SOIC, DFN, TSSOP	**PT7C4372A**
12/24	1, 2, 4, 8, 16, 32K	√	√	3-Wire	8-SOIC, TSSOP	**PT7C43190**
12/24	1, 2, 4, 8, 16, 32K	√	√	I2C	8-SOIC, TSSOP	**PT7C43390**
24	1, 32, 1.024K, 32.768K	√	√	I2C	8-DIP, SOIC, DFN TSSOP, MSOP	**PT7C4563**

For complete Pericom timing IC product listing, please visit http://www.pericom.com/products/clocks/

Clock IC Cross Reference

Product family	Pericom Part number	Other vendors' part number
HiFlex™ Family	PI6LC4820	MAX3612
	PI6LC4830	ICS841N4830
	PI6LC4840	ICS8402015
	PI6LC4831A	ICS844S2416I
	PI6LC4872	AD9572
	PI6LC48P21	ICS843021
	PI6LC48P25104	ICS843251-04
	PI6LC48C21	ICS840021
	PI6LC48P02	ICS843002
	PI6LC48P0201	ICS843002-01
	PI6LC48L0201	ICS844002-01
	PI6LC48P03	ICS843003
	PI6LC48P0301	ICS843003-01
	PI6LC48P0401	ICS843004-01
	PI6LC48H02	NB3N5573
Clock Generator	PI6C557-03A	ICS557G-03
	PI6C557-05	ICS557GI-05A
	PI6C557-03B	IDT5V41065
	PI6C557-05B	IDT5V41066
	PI6C557-10	AD9573
	PI6C49003	IDT6V49003
	PI6C49004	IDT6V49004
	PI6C40097	IDT6P40097
	PI6C40086	IDT6P40086
	PI6C49053	IDT6V49053A
	PI6C49016	IDT6V49206
	PI6C49018	IDT6V49126
	PI6C49019	IDT6V49079A
	PI6C49021	IDT6V49300
Buffer	PI6CV2304	CY2304NZ,
	PI6CV304	CY2304NZ, CDCV304, ICS8304
	PI6C18551	ICS551
	PI6C10804	ICS651
	PI6C10806B	ICS83905
	PI6C48543LEX	8543BGILFT
	PI6C4853111FAE	85310AYI-01LFT
	PI6C557-06	ICS557G-06
	PI6C40098	IDT6P40098

Product family	Pericom Part number	Other vendors' part number
Buffer	PI6C485311	ICS85311
	PI6C4853111	ICS853111B
	PI6C485352	ICS85352
	PI6C48543	ICS8543
	PI6C48545	ICS8545
	PI6C49S1510	LMK00301, IDT8T3910I
	PI6C4911510	853S111BYILF, MC100LVEP111
	PI6C4911510-05	ICS85310I-11
	PI6C4921506	854S006AGILFT
	PI6C4911504-03	ICS8535-31
	PI6C48535-11B	ICS8535AG-11
	PI6C49X0210	LMK00101
	PI6C4911505	ICS85304-01
	PI6C4911505-04	ICS85314-01
	PI6C4911505-07	ICS853S014
	PI6C4911506-06	IDT8536-01
	PI6C4931504-04	IDT85104AGI
	PI6C4931502-04	IDT85102I
	PI6C49X0202	ICS8302
	PI6C49X0201	ICS83021
ZDB	PI6C2405A-1	CY2305SC-1, CY23S05SC-1,IDT2305-1
	PI6C2405A-1H	CY2305SC-1H, CY2309SC-1H, CY23S09SC-1H, IDT2309-1H
	PI6C2408-1	CY2308SC-1,CY23S08SC-1, IDT2308-1
	PI6C2408-1H	CY2308SC-1H, CY23S08SC-1H, IDT2308-1H
	PI6C2408-2	CY2308SC-2, CY23S08SC-2, IDT2308-2
	PI6C2408-3	CY2308SC-3, CY23S08SC-3, IDT2308-3
	PI6C2409-1	CY2309SC-1, CY23S09SC-1, IDT2309-1
	PI6C2409-1H	CY2309SC-1H, CY23S09SC-1H, IDT2309-1H
	PI6C2510-133E	CY2510ZC-1, IDTCSP2510C/D IDTCSPF2510C, CDCF2510, ICS2510C
	PI6C20800S	IDT9DB803
	PI6C20800	ICS9DB108, IDTCV141,CY28401,ICS9DB801C
	PI6C20800B	IDT9DB803, SLG74800
	PI6C20400	ICS9DB104, ICS9DB401,CY28400

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