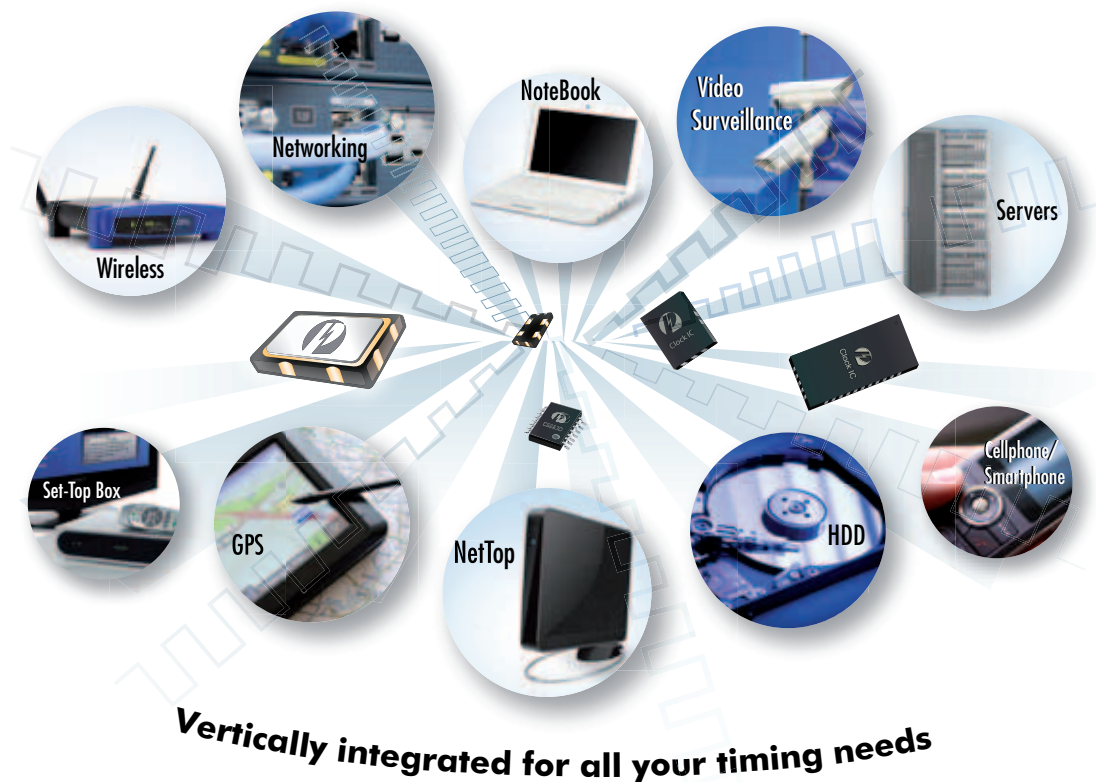




Pericom Timing Solutions

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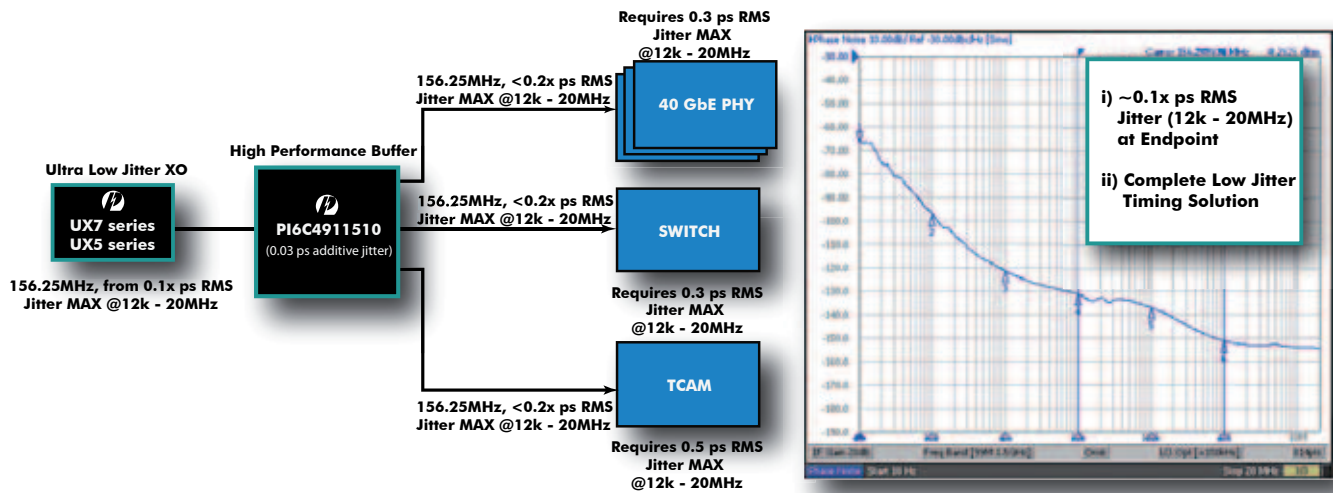
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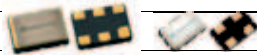
Cross Reference

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Pericom Complete Timing Solution for 40GbE Systems



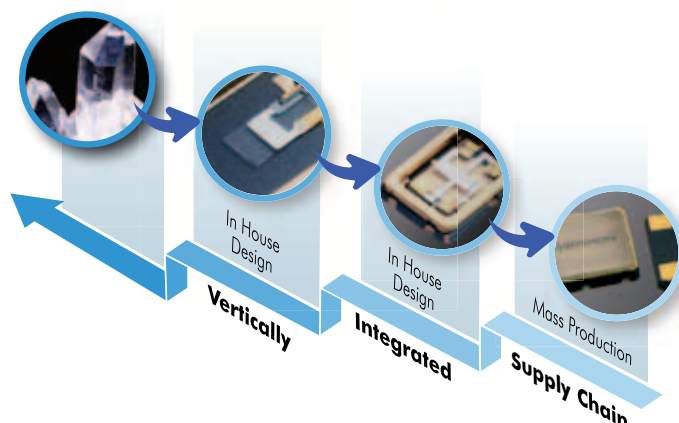
Application Specific Crystal Oscillators - ASSP XO



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/10GE PON	156.25	7 x 5	LVC MOS	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	LVC MOS	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	LVC MOS	3.3	FNSAS2075
	150	7 x 5 5 x 3.2	LVPECL		SNSAS2150 PDSAS2150
DDR2	133.33	7 x 5	LVC MOS	3.3	FNDDR1133
SAS2/SATA3 HDD	62.5	5 x 3.2	LVC MOS	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.

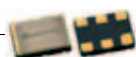
For complete listing, please visit <http://www.pericom.com/products/crystals-and-crystal-oscillators/>

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	LVC MOS	2.5, 3.3	10~212	<1 ps RMS	JX321
	6	LVPECL	2.5, 3.3	10~400	<1 ps RMS	JX322
5.0 x 3.2 x 1.2	6	LVC MOS	2.5, 3.3	10~212	<1 ps RMS	JX501
		LVPECL	2.5, 3.3	10~400	<1 ps RMS	JX502
7.0 x 5.0 x 2.0	6	LVC MOS	2.5, 3.3	10~212	<1 ps RMS	JX701
		LVPECL	2.5, 3.3	10~400	<1 ps 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

LVC MOS Crystal Oscillator



Pericom's LVC MOS 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 LVC MOS 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

LVC MOS 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 LVC MOS 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



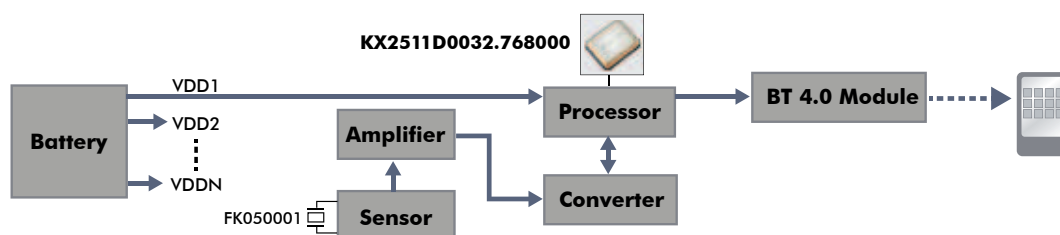
Lower your designs power consumption and EMI with Pericom's Clipped Sinewave XO. Using this unique XO, your design can benefit from power consumption lowered by 50% and EMI reduction of 30% without sacrificing performance.

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) LVC MOS Crystal Oscillator

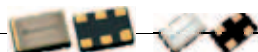


Package Size (mm)	Pads	Supply Voltage (V)	Frequency Stability (ppm)	Current Consumption (μA)	Product Series
2.5 x 2.0 x 0.9	4	1.8, 2.5, 3.3	20 ~ 50	10	KX251
3.2 x 2.5 x 1.0	4	1.8, 2.5, 3.3	20 ~ 50	10	KX321
5.0 x 3.2 x 1.2	4	1.8, 2.5, 3.3	20 ~ 50	10	KX501
3.2 x 2.5 x 1.0	4	1.8, 2.5, 3.3	20 ~ 50	80~300	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/10GE PON	6	156.25	7 x 5	LVPECL	3.3	PRETHE156
GbE	4	125	7 x 5	LVCMOS	3.3	YNETHE125
		25			3.3	FRTHE025
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.

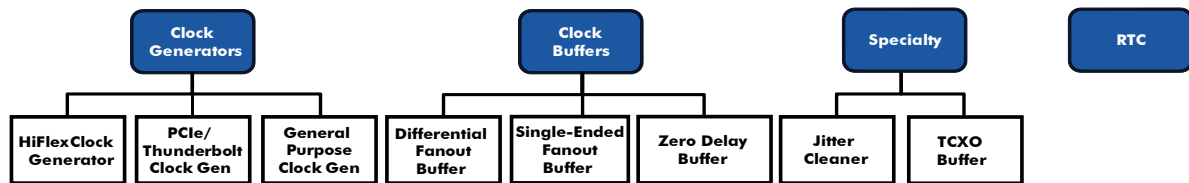
Package Size (mm)	Pads	Frequency (kHz)	Package Description	Product Series
8.0 x 3.0 x 18.8	2	32.768	Tubular Tuning Fork, Through-Hole	G1
6.0 x 2.0 x 18.8	2	32.768	Tubular Tuning Fork, Through-Hole	G2
6.0 x 2.0 x 9.0	2	32.768	Tubular Tuning Fork, SMD	G3
8.0 x 3.8 x 2.5	4	32.768	Plastic Molded Tuning Fork,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

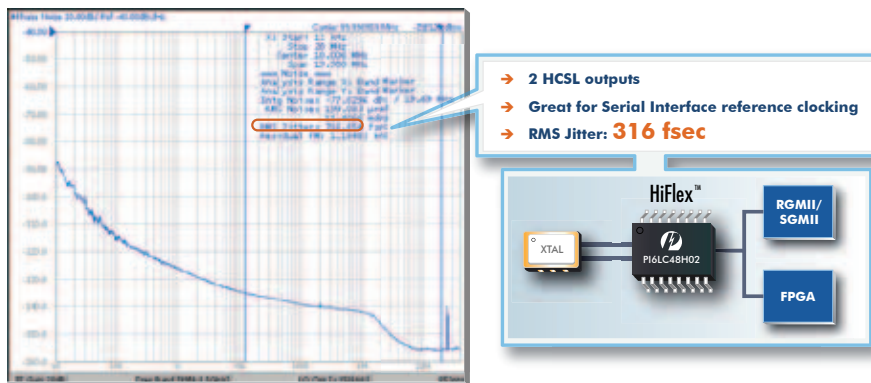
Package Size (mm)	Pads	Frequency (MHz)	Frequency Stability (ppm)	Frequency Stability Slope (ppb/°C)	Thermistor B Constant	Product Series
2.5 x 2.0 x 0.9	4	19.2 & 26	+/- 12	50	4250	HH

Pericom Clock ICs



HiFlex™ Clock Generators

- Provides maximum flexibility for designs
- Provides high performance integrated clock sources
- Provides BOM cost and board space reduction



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

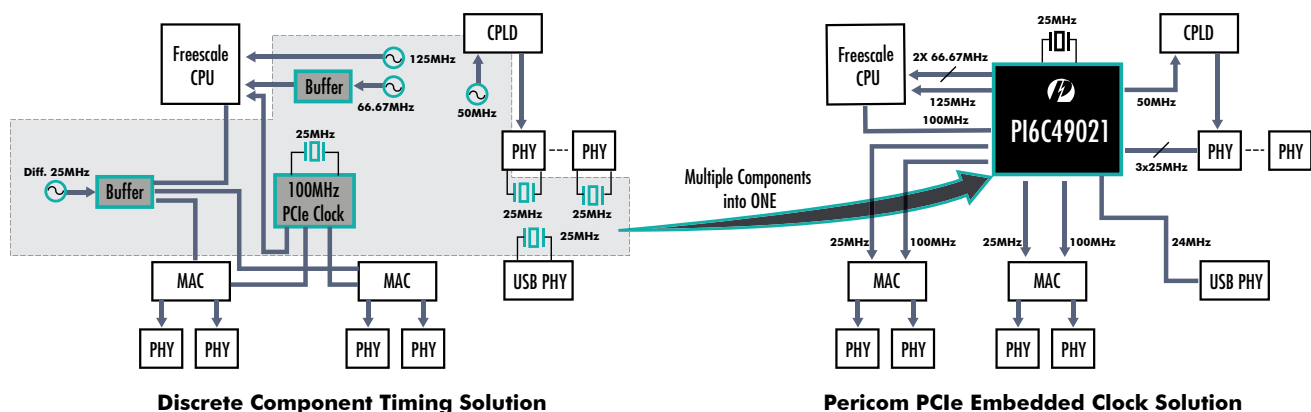
PCIe Embedded Clock Generators

→ 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

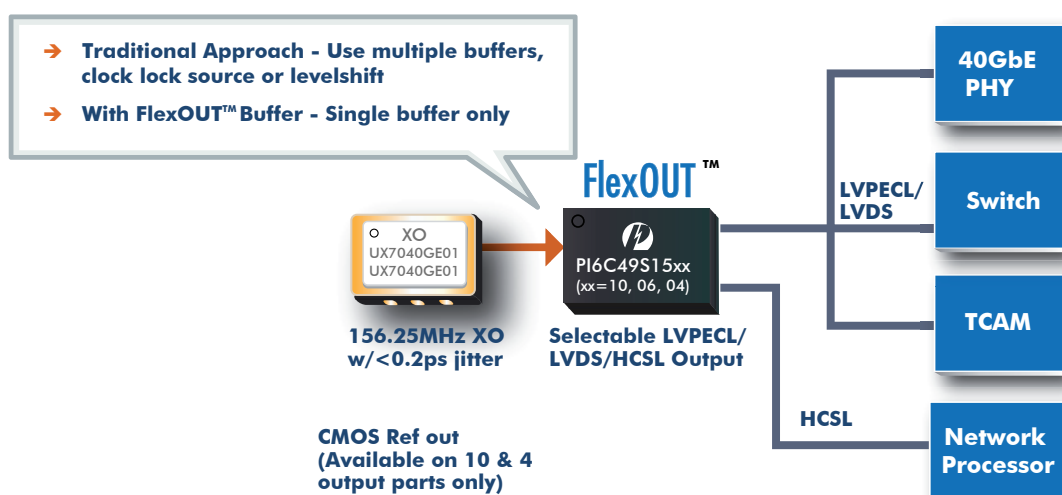
→ Combine multiple timing components into one PCIe embedded clock generator



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



continued over..

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

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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	LVC MOS	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	LVC MOS	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	Product family	Pericom Part number	Other vendors' part number
HiFlex™ Family	PI6LC4820	MAX3612	Buffer	PI6C485311	ICS85311
	PI6LC4830	ICS841N4830		PI6C4853111	ICS853111B
	PI6LC4840	ICS8402015		PI6C485352	ICS85352
	PI6LC4831A	ICS844S2416I		PI6C48543	ICS8543
	PI6LC4872	AD9572		PI6C48545	ICS8545
	PI6LC48P21	ICS843021		PI6C49S1510	LMK00301, IDT8T3910I
	PI6LC48P25104	ICS843251-04		PI6C4911510	853S111BYILF, MC100LVEP111
	PI6LC48C21	ICS840021		PI6C4911510-05	ICS85310I-11
	PI6LC48P02	ICS843002		PI6C4921506	854S006AGILFT
	PI6LC48P0201	ICS843002-01		PI6C4911504-03	ICS8535-31
	PI6LC48L0201	ICS844002-01		PI6C48535-11B	ICS8535AG-11
	PI6LC48P03	ICS843003		PI6C49X0210	LMK00101
	PI6LC48P0301	ICS843003-01		PI6C4911505	ICS85304-01
	PI6LC48P0401	ICS843004-01		PI6C4911505-04	ICS85314-01
	PI6LC48H02	NB3N5573		PI6C4911505-07	ICS853S014
Clock Generator	PI6C557-03A	ICS557G-03	ZDB	PI6C4911506-06	IDT8536-01
	PI6C557-05	ICS557GI-05A		PI6C4931504-04	IDT85104AGI
	PI6C557-03B	IDT5V41065		PI6C4931502-04	IDT85102I
	PI6C557-05B	IDT5V41066		PI6C49X0202	ICS8302
	PI6C557-10	AD9573		PI6C49X0201	ICS83021
	PI6C49003	IDT6V49003		PI6C2405A-1	CY2305SC-1, CY23S05SC-1, IDT2305-1
	PI6C49004	IDT6V49004		PI6C2405A-1H	CY2305SC-1H, CY2309SC-1H, CY23S09SC-1H, IDT2309-1H
	PI6C40097	IDT6P40097		PI6C2408-1	CY2308SC-1, CY23S08SC-1, IDT2308-1
	PI6C40086	IDT6P40086		PI6C2408-1H	CY2308SC-1H, CY23S08SC-1H, IDT2308-1H
	PI6C49053	IDT6V49053A		PI6C2408-2	CY2308SC-2, CY23S08SC-2, IDT2308-2
	PI6C49016	IDT6V49206		PI6C2408-3	CY2308SC-3, CY23S08SC-3, IDT2308-3
	PI6C49018	IDT6V49126		PI6C2409-1	CY2309SC-1, CY23S09SC-1, IDT2309-1
	PI6C49019	IDT6V49079A		PI6C2409-1H	CY2309SC-1H, CY23S09SC-1H, IDT2309-1H
	PI6C49021	IDT6V49300		PI6C2510-133E	CY2510ZC-1, IDTCSP2510C/D, IDTCSPF2510C, CDCF2510, ICS2510C
Buffer	PI6CV2304	CY2304NZ,		PI6C208005	IDT9DB803
	PI6CV304	CY2304NZ, CDCV304, ICS8304		PI6C20800	ICS9DB108, IDTCV141, CY28401, ICS9DB801C
	PI6C18551	ICS551		PI6C20800B	IDT9DB803, SLG74800
	PI6C10804	ICS651		PI6C20400	ICS9DB104, ICS9DB401, CY28400
	PI6C10806B	ICS83905			
	PI6C48543LEX	8543BGILFT			
	PI6C4853111FAE	85310AYI-01LFT			
	PI6C557-06	ICS557G-06			
	PI6C40098	IDT6P40098			

For complete Pericom product listing, please visit <http://www.pericom.com>

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