



**Cross Reference / Pin to Pin & Package to Package Compatible IC List**

<b>Standard 1.65V -3.6 V TTL / CMOS Clock Buffer</b>								
PotatoSemi	Package	Pericom	IDT	ICS	Cypress	TI	Philips	National
<b>PO74G38072A</b> 1GHz 1 to 2 TTL	SOIC 8		74FCT38072					
<b>PO74G38074A</b> 900MHz 1 to 4	SOIC 8		74FCT38074					
<b>PO74G304A</b> 700MHz 1 to 4	TSSOP 8	6CV304 6CV2304	ICS2304NZ		CY2304NZ	TI CDCV304	PCK2002P PCK2002PL	
<b>PO49FCT3802A</b> 1GHz 1 to 5	QSOP 16 TSSOP 16	49FCT3802 49FCT20802						
<b>PO74G2305A</b> 750MHz 1 to 5	SOIC 8	PI6C2405		ICS9112	CY2305	TI2505		
<b>PO49FCT3803B</b> 700MHz 1 to 7	QSOP 16 TSSOP 16	49FCT3803 49FCT20803						
<b>PO74G2309A</b> 700MHz 1 to 9	SOIC 16 TSSOP 16				CY2309NZ			
<b>PO49FCT3807B</b> 800MHz 1 to 10	SOIC 20 QSOP 20 SSOP 20	49FCT3807 49FCT20807	74FCT3807E-D	MK3807-01	CY2CC810		PCK3807A	
<b>PO49FCT3804</b> 800MHz 2X1 to 4	SOIC 16	49FCT3804						
<b>PO49FCT3805B</b> 800MHz 2X1 to 5	SOIC 20 QSOP 20 SSOP 20	49FCT3805	49FCT20805 49FCT3805	MK3805				
<b>PO49FCT3806</b> 750MHz 2X1 to 5	SOIC 20 QSOP 20	49FCT3806						
<b>PO49FCT1816</b> 500MHz 4 X 1 to 4	PLCC 28							CGS2535TV
<b>PO74G553</b> 1 to 4	SOIC 8			ICS553				
<b>PO74G2308</b> 1 to 8	SOIC 16 TSSOP 16				CY2308			

<b>Standard 1.65V -3.6 V TTL / CMOS Clock Buffer with Output Resistor</b>								
PotatoSemi	Package	Pericom	IDT	ICS	Cypress	TI	Philips	National
<b>PO49FCT32802G</b> 1GHz 1 to 5	QSOP 16 TSSOP 16	49FCT32802						
<b>PO49FCT32803</b> 500MHz 1 to 7	QSOP 16 TSSOP 16	49FCT32803						
<b>PO49FCT32805</b> 700MHz 1 to 4	SOIC 20 QSOP 20	49FCT32805						
<b>PO49FCT32806</b> 700MHz 2X1 to 5	QSOP 16 TSSOP 16	49FCT32806						
<b>PO49FCT32807</b> 400MHz 1 to 10	SOIC 20 QSOP 20	49FCT32807						

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### 2.4V -3.6V Differential inputs to HSTL outputs Clock Buffer

PotatoSemi	Package	Pericom	IDT	ICS	Cypress	TI	ON	MICREL
<b>PO100HSTL11A</b> 1.24GHz 1 to 2	SOIC 8 TSSOP 8						MC10EP11	SY10EL11V SY100EL11V
<b>PO74HSTL85331A</b> 700MHz 1:4	TSSOP 20			ICS8533-11				
<b>PO74HSTL314A</b> 500MHz 2 to 4	SSOP 20 (209 mil)			ICS853S314I	CY2DP314			

### 1.65V - 3.6V TTL/CMOS inputs to Differential outputs clock buffer

PotatoSemi	Package	Pericom	IDT	ICS	Cypress	TI	ON	MICREL
<b>PO74HSTL85352A</b> 300MHz 1 to 2	TSSOP 14			ICS8535_21				
<b>PO74HSTL85350A</b> 300MHz 1:4	TSSOP 20			ICS8535_01				
<b>PO74HSTL85353A</b> 300MHz 1 to 4	TSSOP 20			ICS8535_31				

### 1.65V -3.6V Differential inputs to TTL / CMOS outputs Clock Buffer

PotatoSemi	Package	Pericom	IDT	ICS	Cypress	TI	ON	MICREL
<b>PO49HSTL3802</b> 900MHz 1 to 5	QSOP 16 TSSOP 16							
<b>PO49HSTL3803</b> 500MHz 1 to 7	QSOP 16 TSSOP 16							
<b>PO49HSTL3807</b> 400MHz 1 to 10	SOIC 20 QSOP 20 SSOP 20							
<b>PO49HSTL32807</b> 400MHz 1 to 10	SOIC 20 QSOP 20							

### GHz Translator

PotatoSemi	Package	ON	MICREL
<b>PO100HSTL22A</b> 1.65GHz Dual LVTTTL/LVCMOS to Differential HSTL Translator	SOIC 8	MC100ELT22 MC100LVELT22	SY10/100ELT22
<b>PO100HSTL23A</b> 1GHz Dual Differential HSTL/LVDS to LVTTTL Translator	SOIC 8	MC100EPT23	SY10/100ELT23

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74 Series GHz Logic					
PotatoSemi	Package	TI	Fairchild	Philips	On Semi
<b>PO74G00A</b> 1.125GHz QUADRUPLE 2-INPUT POSITIVE-NAND GATE	SOIC 14 LCCC 14 CDF 20	SN74ALVC00	74LVX00	74LVC00	
<b>PO74G02A</b> 900MHz QUADRUPLE 2-INPUT POSITIVE-NOR GATE	SOIC 14 LCCC 14 CDF 20	SN74LV02A	74LVX02	74ALVC02	MC74LVX02DTR2
<b>PO74G04A</b> 1.125GHz HEX INVERTER	SOIC 14 LCCC 14 CDF 20	SN74LVC04a	74LVX04	74LVCU04	MC74LCX04DR2
<b>PO74GU04A</b> 1.125GHz HEX INVERTER	SOIC 14	SN74LVCU04a	74LVXU04	74LVC04	MC74LCXU04D
<b>PO74G08A</b> 1.125GHz QUADRUPLE 2-INPUT POSITIVE-AND GATES	SOIC 14 LCCC 14 CDF 20	SN74ALVC08	74LVX08	74LVC08	
<b>PO74G10A</b> 1GHz TRIPLE 3-INPUT POSITIVE-NAND GATES	SOIC 14	SN74ALVC10	74LVX10	74LVC10	
<b>PO74G14A</b> 1.125GHz HEX SCHMITT-TRIGGER INVERTERS	SOIC 14 LCCC 14 CDF 20	SN74LVC14A			
<b>PO74G27A</b> 800MHz TRIPLE 3-INPUT POSITIVE-NOR GATE	SOIC 14	SN74LV27A	74LVX27	74LVC27	
<b>PO74G32A</b> 1.125GHz QUADRUPLE 2-INPUT POSITIVE-OR GATES	SOIC 14	SN74ALVC32	74LVX32	74LVC32	
<b>PO74G34A</b> 1.125GHz HEX BUFFERS/ DELAY ELEMENTS	SOIC 14	SN74LVC07A			
<b>PO74G74A</b> DUAL POSITIVE-EDGE-TRIGGERED D-TYPE FLIP-FLOPS	SOIC 14 LCCC 14 CDF 20	SN74ALVC74A	74LVX74	74LVC74	
<b>PO74G86A</b> 1.125GHz QUADRUPLE 2-INPUT EXCLUSIVE-OR GATES	SOIC 14	SN74LVC86	74LVX86	74LVC86	MC74LCX86DR2
<b>PO74G125A</b> 1.125GHz QUADRUPLE BUS BUFFER GATES WITH 3-STATE OUTPUTS	SOIC 14	SN74ALVC125	74LVX125	74LVC125	
<b>PO74G126A</b> 1.125GHz QUADRUPLE BUS BUFFER GATE	SOIC 14	SN74ALVC126	74LVX126	74LVC126	
<b>PO74G139A</b> 1.125GHz DUAL 2-LINE TO 4-LINE DECODER/ DEMULTIPLEXER	SOIC 16	SN74LVC139A	74LVX139	74LVC139	MC74LCX139D
<b>PO74G240A</b> 1.125GHz OCTAL 3-STATE BUS INVERTERS	TSSOP 20	SN74LVCZ240A			
<b>PO74G244A</b> 1.125GHz OCTAL 3-STATE BUS BUFFERS	TSSOP 20	SN74LVC244A			
<b>PO74G373A</b> 1.125GHz OCTAL TRANSPARENT D-TYPE LATCHES WITH 3-STATE OUTPUTS	TSSOP 20 LCCC 20 CDF 20	SN74LVC373A			
<b>PO74G374A</b> OCTAL EDGE-TRIGGERED D-TYPE FLIP-FLOPS WITH 3-STATE OUTPUTS	TSSOP 20 LCCC 20 CDF 20	SN74LVC374A			

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<b>74 Series GHz Logic</b>				
PotatoSemi	Package	TI	Fairchild	Pericom
<b>PO74G16240</b> 16-Bit Inverting Buffer/ Driver with 3-State Outputs	TSSOP 48	SN74AVC16240, SN74LVC16240	74ALVC16240	PI74AVC16240
<b>PO74G16241</b> 16-BIT BUFFERS/ DRIVERS WITH 3-STATE OUTPUTS	TSSOP 48	SN74AVC16241, SN74LVC16241	74ALVC16241	PI74AVC16241
<b>PO74G16244</b> 16-Bit Buffer/Line Driver with 3-State Outputs	TSSOP 48	SN74AVC16244, SN74LVC16244	74ALVC16244	PI74AVC16244

<b>GHz High frequency Bus Switch</b>				
PotatoSemi	Package	Pericom	TI	Fairchild
<b>PO3B14A</b> High Bandwidth 4:1 Mux/DeMux with Single Enable	TSSOP 16	PI3CH281 PI3USB14		
<b>PO3B20A</b> Wide Bandwidth, 4-Channel, 2:1 Mux/DeMux Switch w/ Single Enable	TSSOP 16	PI3USB20		
<b>PO3B3257A</b> Quad 2:1 Mux/DeMux	TSSOP 16 QSOP16	PI3V312 PI3B3257 PI3CH480 PI3L100 PI3L110	TS3V330 TS3V340 SN74CBT3257	NC7SB3257 FST3257 FSUSB22 FSAV330 FSAV430 FSAV450
<b>PO3B512A</b> Wideband/Video Switch 5-Port, 2:1 Mux/DeMux	QSOP 24 TSSOP 24	PI3V512		
<b>PO3B341A</b> High-Bandwidth 3-Port, 4:1 Mux/DeMux Video Switch	QSOP 24 TSSOP 24	PI3V341		
<b>PO3B3245A</b> 8-Bit, 2-Port Bus Switch	TSSOP 20	PI3B3245, PI3CH800	SN74CB3T3245 SN74CB3Q3245	FST3245
<b>PO3VT3245A</b> Hot Insertion 8-Bit, 2-Port, Low Voltage Translator Bus Switch	TSSOP 20	PI3VT3245		
<b>PO3B1000A</b> Hot Insertion 10-Channel 2-Port Bus Switch	QSOP 24 TSSOP 24	PI3B3384, PI3CH1000	SN74CB3Q3384A	FST3384
<b>PO3B3305A</b> High-Bandwidth, Hot-Insertion, 2-Bit, 2-Port Bus Switch w/ Individual Enables	TSSOP 8	PI3C3305	SN74CB3Q3305	
<b>PO3B3306A</b> High-Bandwidth, Hot-Insertion, 2-Bit, 2-Port Bus Switch w/ Individual Enables	TSSOP 8	PI3C3306		FST3306 NC7WB3306
<b>PO3B3125A</b> High-Bandwidth, Hot-Insertion, 4-Bit, 2-Port Bus Switch w/ Individual Enables	TSSOP 14	PI3B3125	SN74CBT3125	FST3125
<b>PO3B3126A</b> High-Bandwidth, Hot-Insertion, 4-Bit, 2-Port Bus Switch w/ Individual Enables	TSSOP 14	PI3B3126, PI3CH400	SN74CBT3126	FST3126, FSAV332
<b>PO3VT3306A</b> High-Bandwidth, Hot-Insertion, 2-Bit, 2-Port, Low Voltage Translator Bus Switch	TSSOP 8	PI3VT3306		
<b>PO3B10A</b> Wide Bandwidth, 1-Channel, 2:1 Mux/ DeMux w/ Single Enable	TDFN 12	PO3DBV10		

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<b>GHz High frequency Bus Switch</b>				
<b>PO3B22A</b> Wide Bandwidth, Dual 2:1 Mux/DeMux	MOSP 10	PO3B22		FSUSB20, FSUSB23, FSUSB30
<b>PO3B40A</b> Wide Bandwidth, 8-Channel, 2:1 Mux/DeMux with Single Enable	TSSOP 48	PI3USB40, PI3DBV40, HDMI412B, PI3L301D	TS3L301, TS3DV416	
<b>PO3B16861A</b> 20-Bit, 2-Port Bus Switch	TSSOP 48	SN74CBTR16861	PI3B16861	
<b>PO3B16244A</b> 16-Bit, 4-Port Bus Switch	TSSOP 48	SN74CBT16244	PI3B16244	
<b>PO3B16245A</b> 16-Bit, 2-Port Bus Switch	TSSOP 48	SN74CBT16245	PI3B16245	