

# Functional Selection Table

Functional Selection Table

Gates																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
<b>NAND/NAND Buffer</b>																	
1-Bit 2-Input NAND	00	5															
1-Bit 2-Input Positive NAND Buffer w/Open Collector Outputs	38	5															
Dual 2-Input NAND w/Open Collector Outputs	26	14					X		X								
Quad 2-Input NAND	00	14	X		X	X	X	X	X		X	X	X		X	X	X
Quad 2-Input Positive NAND Buffer	37	14	X		X												
Quad 2-Input NAND Buffer	1000	14			X	X											
Quad 2-Input NAND Buffer	4011	14															
Quad 2-Input NAND w/Open Collector Outputs	03	14			X		X		X								
Quad 2-Input Positive NAND Buffer w/Open Collector Outputs	38	14	X		X		X		X		X	X					
Quad 2-Input NAND Schmitt Trigger	4093	14															
Quad 2-Input Positive NAND Schmitt Trigger	132	14	X				X				X						
Hex 2-Input NAND Buffer	804	20			X	X											
Hex 2-Input NAND Buffer	1804	20				X											
Triple 3-Input NAND	10	14	X		X	X	X	X								X	X
Buffered Triple 3-Input NAND	4023	14															
Dual 4-Input NAND	20	14	X		X		X	X	X								X
Dual 4-Input NAND	40	14							X								
Dual 4-Input NAND Line Driver	140	14							X								
8-Input NAND	30	14	X		X	X	X	X	X								
13-Input NAND	133	16			X				X								
<b>AND</b>																	
1-Bit 2-Input AND	08	5															
Quad 2-Input AND	08	14	X		X	X	X	X	X		X	X	X		X	X	X
Quad 2-Input AND Buffer	1008	14			X												
Quad 2-Input AND Buffer	4081	14															
Quad 2-Input AND w/Open Collector Outputs	09	14			X		X										
Quad AND/OR Gate	4019	16															
Triple 3-Input AND	11	14	X		X		X	X								X	
Dual 4-Input AND	21	14			X	X											
<b>OR/NOR/Exclusive-OR</b>																	
1-Bit 2-Input NOR	02	5															
1-Bit 2-Input OR	32	5															
1-Bit 2-Input Exclusive-OR	86	5															
Quad 2-Input NOR	02	14	X		X		X	X	X			X	X		X	X	X
Quad 2-Input NOR Buffer w/Open Collector Outputs	33	14					X										
Quad 2-Input Exclusive NOR Gate (Open Drain)	266	14					X										
Hex 2-Input NOR Buffer	805	20					X										
Hex 2-Input NOR Buffer	1805	20					X										
Quad 2-Input NOR Gate plus Inverter	4001	14															
Triple 3-Input NOR	27	14	X		X	X	X										
Quad 2-Input OR	32	14	X		X	X	X	X			X	X	X		X	X	X
Quad 2-Input OR Buffer	1032	14			X	X											
Quad 2-Input OR Buffer	4071	14															
Quad 2-Input Exclusive-OR	86	14	X		X		X	X	X		X	X	X		X	X	
Quad 2-Input Exclusive-OR	4030	14															
Quad 2-Input Exclusive-OR	4070	14															
Quad 2-Input Exclusive OR w/Open Collector Outputs	136	14					X										

Gates (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
<b>NAND/NAND Buffer</b>														
1-Bit 2-Input NAND	00	5										X	X	X
1-Bit 2-Input Positive NAND Buffer w/Open Collector Outputs	38	5												X
Dual 2-Input NAND w/Open Collector Outputs	26	14												
Quad 2-Input NAND	00	14		X	X	X	X	X	X					
Quad 2-Input Positive NAND Buffer	37	14												
Quad 2-Input NAND Buffer	1000	14												
Quad 2-Input NAND Buffer	4011	14								X				
Quad 2-Input NAND w/Open Collector Outputs	03	14												
Quad 2-Input Positive NAND Buffer w/Open Collector Outputs	38	14												
Quad 2-Input NAND Schmitt Trigger	4093	14									X			
Quad 2-Input Positive NAND Schmitt Trigger	132	14			X		X							
Hex 2-Input NAND Buffer	804	20												
Hex 2-Input NAND Buffer	1804	20												
Triple 3-Input NAND	10	14		X										
Buffered Triple 3-Input NAND	4023	14									X			
Dual 4-Input NAND	20	14												
Dual 4-Input NAND	40	14												
Dual 4-Input NAND Line Driver	140	14												
8-Input NAND	30	14												
13-Input NAND	133	16												
<b>AND</b>														
1-Bit 2-Input AND	08	5									X	X	X	
Quad 2-Input AND	08	14		X	X	X	X	X	X					
Quad 2-Input AND Buffer	1008	14												
Quad 2-Input AND Buffer	4081	14								X				
Quad 2-Input AND w/Open Collector Outputs	09	14												
Quad AND/OR Gate	4019	16								X				
Triple 3-Input AND	11	14												
Dual 4-Input AND	21	14												
<b>OR/NOR/Exclusive-OR</b>														
1-Bit 2-Input NOR	02	5									X	X	X	
1-Bit 2-Input OR	32	5									X	X	X	
1-Bit 2-Input Exclusive-OR	86	5									X	X	X	
Quad 2-Input NOR	02	14		X	X		X		X					
Quad 2-Input NOR Buffer w/Open Collector Outputs	33	14												
Quad 2-Input Exclusive NOR Gate (Open Drain)	266	14												
Hex 2-Input NOR Buffer	805	20												
Hex 2-Input NOR Buffer	1805	20												
Quad 2-Input NOR Gate plus Inverter	4001	14								X				
Triple 3-Input NOR	27	14			X									
Quad 2-Input OR	32	14		X	X		X	X	X					
Quad 2-Input OR Buffer	1032	14												
Quad 2-Input OR Buffer	4071	14								X				
Quad 2-Input Exclusive-OR	86	14												
Quad 2-Input Exclusive-OR	4030	14												
Quad 2-Input Exclusive-OR	4070	14												
Quad 2-Input Exclusive OR w/Open Collector Outputs	136	14												

Gates (continued)																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
<b>Invert/AND-OR-Invert</b>																	
1-Bit Inverter	04	5															
1-Bit Inverter	U04	5															
1-Bit Inverter w/Open Collector Outputs	05	5															
1-Bit Schmitt Trigger Inverter	14	5															
Dual Complementary Pair Plus Inverter	4007	14															
Hex Inverter	04	14	X		X	X	X	X	X			X	X		X	X	X
Hex Inverter	U04	14															
Hex Inverter	16	14							X								
Hex Inverter	4069	14															
Hex Inverter w/Open Collector Outputs	05	14			X		X	X	X							X	
Hex Inverter w/Open Collector Outputs	06	14							X								
Hex Inverting Driver	1004	14			X	X											
Hex Inverting Driver w/Open Collector Outputs	1005	14			X												
Hex Schmitt Trigger Inverter	14	14	X		X		X				X	X		X	X		
Hex Schmitt Trigger Inverter	40106	14															
Hex Schmitt Trigger w/Extended Voltage	914	14															
Hex Non-Inverter	34	14				X											
Hex Non-Inverting Driver	1034	14			X	X											
Hex Non-Inverting Driver w/Open Collector Outputs	1035	14			X												
AND-OR-Invert	64	14	X														
Dual AND-OR-Invert	51	14	X				X	X									
<b>Dual Edge-Triggered Flip-Flops</b>																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Dual D, Positive Edge Clock	74	14	X	X	X	X	X	X	X			X	X		X	X	X
Dual D, Negative Edge Clock	1074	14		X													
Dual D	4013	14															
Dual JK, Positive Edge Clock	109	16	X		X		X									X	X
Dual JK, Positive Edge Clock	4027	16															
Dual JK w/Clear, Negative Edge Clock	73	14					X		X								
Dual JK, Negative Edge Clock	76	16							X								
Dual JK, Negative Edge Clock	112	16	X				X	X			X	X					
Dual JK, Negative Edge Clock	113	14	X														
Dual JK, Negative Edge Clock (Common Clocks & Clears)	114	14	X														

Gates (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
<b>Invert/AND-OR-Invert</b>														
1-Bit Inverter	04	5										X	X	X
1-Bit Inverter	U04	5										X		X
1-Bit Inverter w/Open Collector Outputs	05	5												X
1-Bit Schmitt Trigger Inverter	14	5										X		X
Dual Complementary Pair Plus Inverter	4007	14									X			
Hex Inverter	04	14		X	X	X	X	X	X					
Hex Inverter	U04	14			X		X							
Hex Inverter	16	14												
Hex Inverter	4069	14									X			
Hex Inverter w/Open Collector Outputs	05	14						X						
Hex Inverter w/Open Collector Outputs	06	14												
Hex Inverting Driver	1004	14												
Hex Inverting Driver w/Open Collector Outputs	1005	14												
Hex Schmitt Trigger Inverter	14	14		X	X	X	X	X	X					
Hex Schmitt Trigger Inverter	40106	14									X			
Hex Schmitt Trigger w/Extended Voltage	914	14							X					
Hex Non-Inverter	34	14												
Hex Non-Inverting Driver	1034	14												
Hex Non-Inverting Driver w/Open Collector Outputs	1035	14												
AND-OR-Invert	64	14												
Dual AND-OR-Invert	51	14												

  

Dual Edge-Triggered Flip-Flops (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Dual D, Positive Edge Clock	74	14		X	X	X	X	X	X					
Dual D, Negative Edge Clock	1074	14												
Dual D	4013	14								X				
Dual JK, Positive Edge Clock	109	16												
Dual JK, Positive Edge Clock	4027	16								X				
Dual JK w/Clear, Negative Edge Clock	73	14							X					
Dual JK, Negative Edge Clock	76	16							X					
Dual JK, Negative Edge Clock	112	16			X									
Dual JK, Negative Edge Clock	113	14												
Dual JK, Negative Edge Clock (Common Clocks & Clears)	114	14												

Multiple Flip-Flops																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Dual 4-Bit D, Positive Edge Clock	874	24			X	X											
Single D	175	6															
Quad D, Positive Edge Clock	175	16	X		X		X	X							X	X	
Quad D, Positive Edge Clock	40175	16															
Quad Parallel D Register, Positive Edge Clock w/Enable	379	16	X														
Hex D, Positive Edge Clock	174	16	X		X		X	X	X			X		X	X	X	
Hex D, Positive Edge Clock	40174	16															
Octal D, Positive Edge Clock	273	20	X		X		X			X		X		X	X		
Single D	374	6															
Octal D, Positive Edge Clock	374	20	X		X	X	X	X		X		X		X	X	X	
Octal D, Positive Edge Clock w/Clock Enable	377	20	X				X			X					X	X	
Octal D, Positive Edge Clock	534	20	X		X		X									X	
Octal D, Positive Edge Clock	564	20	X		X												
Octal D, Positive Edge Clock	574	20	X		X	X	X			X		X	X		X	X	
Octal D, Positive Edge Clock	576	20			X												
Octal D, Positive Edge Clock	825	24	X													X	
9-Bit D, Positive Edge Clock	823	24	X													X	
10-Bit D, Positive Edge Clock	821	24	X								X				X	X	
16-Bit D, Positive Edge Clock	16374	48								X	X						
18-Bit D, Positive Edge Clock	18823	56															
20-Bit D, Positive Edge Clock	16721	56								X							
20-Bit D, Positive Edge Clock	16821	56								X	X						
Latches																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
4-Bit Bistable	75	16					X										
Quad R/S Latch	279	16					X										
Quad Latch	93L14	16							X								
Quad NOR R/S Latch	4043	16															
Quad NAND R/S Latch	4044	16															
Single D	373	6															
Octal D	373	20	X		X	X	X	X		X		X	X		X	X	
Octal D	533	20	X		X		X										
Octal D	563	20	X		X											X	
Octal D	573	20	X	X	X	X	X			X		X	X	X	X	X	
Octal D	580	20			X												
Octal D	845	24	X														
Octal D	873	24				X											
8-Bit Addressable Latch w/3-to-8 Line Decoder	259	16					X										
8-Bit Addressable Latch	4724	16															
8-Bit Addressable Latch	4099	16															
8-Bit Addressable Latch	9334	16							X								
9-Bit D	843	24	X													X	
10-Bit D	841	24	X								X					X	
16-Bit D	16373	48								X	X	X		X			
20-Bit D	16841	56									X						

### Multiple Flip-Flops (continued)

Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch	
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST	
Dual 4-Bit D, Positive Edge Clock	874	24													
Single D	175	6												X	
Quad D, Positive Edge Clock	175	16			X		X		X						
Quad D, Positive Edge Clock	40175	16									X				
Quad Parallel D Register, Positive Edge Clock w/Enable	379	16													
Hex D, Positive Edge Clock	174	16					X		X						
Hex D, Positive Edge Clock	40174	16									X				
Octal D, Positive Edge Clock	273	20		X	X		X	X							
Single D	374	6											X		
Octal D, Positive Edge Clock	374	20	X	X	X	X	X	X	X						
Octal D, Positive Edge Clock w/Clock Enable	377	20													
Octal D, Positive Edge Clock	534	20													
Octal D, Positive Edge Clock	564	20													
Octal D, Positive Edge Clock	574	20	X	X	X	X	X	X							
Octal D, Positive Edge Clock	576	20													
Octal D, Positive Edge Clock	825	24													
9-Bit D, Positive Edge Clock	823	24		X											
10-Bit D, Positive Edge Clock	821	24		X											
16-Bit D, Positive Edge Clock	16374	48		X											
18-Bit D, Positive Edge Clock	18823	56		X											
20-Bit D, Positive Edge Clock	16721	56													
20-Bit D, Positive Edge Clock	16821	56													

### Latches (continued)

Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch	
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST	
4-Bit Bistable	75	16													
Quad R/S Latch	279	16													
Quad Latch	93L14	16													
Quad NOR R/S Latch	4043	16									X				
Quad NAND R/S Latch	4044	16									X				
Single D	373	6											X		
Octal D	373	20	X	X	X	X	X	X	X						
Octal D	533	20		X											
Octal D	563	20		X											
Octal D	573	20	X	X	X	X	X	X							
Octal D	580	20													
Octal D	845	24													
Octal D	873	24													
8-Bit Addressable Latch w/3-to-8 Line Decoder	259	16					X								
8-Bit Addressable Latch	4724	16									X				
8-Bit Addressable Latch	4099	16									X				
8-Bit Addressable Latch	9334	16													
9-Bit D	843	24		X											
10-Bit D	841	24		X											
16-Bit D	16373	48		X											
20-Bit D	16841	56													

Registers																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Parallel D Register with Enable	378	16	X														
Quad 2-Port Register, Positive Clock Edge	398	20	X														
Quad 2-Port Register, Positive Clock Edge	399	16	X												X	X	
Serial Data Polynomial Generator/Checker, Pos. Edge	402	16	X														
4 by 4 Register File	670	16					X										
8-Bit Successive Approximation Register w/Expansion Control	503	16					X										
8-Bit Register w/Readback, Positive Clock Edge	794	20	X														
8-Bit Multiple Port Register	93L38	16						X									
Diagnostic and Pipeline Register	818	24															X
12-Bit Successive Approximation Register	905	24															
16-Bit Selectable Register/Buffer	16838	48								X							
16-Bit Selectable Register/Buffer w/26Ω Series Resistors	162838	48								X							
22-Bit Register with 3.6V Tolerant Inputs and Outputs	16722	64								X							

  

Shift Registers																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
8-Bit Shift Register	594	16															
Dual 4-Bit Static Shift Register	4015	16															
Dual 8-Bit Static Shift Register	93L28	16						X									
8-Bit Shift Register	589	16															
8-Bit Shift Register	597	16															
8-Bit Static Shift Register	4014	16															
8-Bit Static Shift Register	4021	16															
8-Bit Shift Register w/Latches	595	16															
8-Bit Shift Register w/Latches	4094	16															
Octal Serial/Parallel w/Sign Extend	322	20	X														
Parallel-In/Serial-Out	165	16			X		X										
Parallel Load Shift Register	166	16					X										
Bidirectional, Universal	194	16	X				X										
Universal Octal Shift/Storage w/Common I/O Pins	299	20	X				X	X							X	X	
Universal Octal Shift/Storage w/Synchronous Reset	323	20	X														X
Shift Right, Serial-In, Parallel-Out	164	14	X				X	X									
Serial-In, Serial/Parallel-Out (Common I/O Pins)	673	24	X														
Serial-In, Serial/Parallel Out	675	24	X														
Serial/Parallel-In, Serial Out	676	24	X														
Dual 8-Bit Shift Register	9328	16						X									



Registers (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Parallel D Register with Enable	378	16												
Quad 2-Port Register, Positive Clock Edge	398	20												
Quad 2-Port Register, Positive Clock Edge	399	16												
Serial Data Polynomial Generator/Checker, Pos. Edge	402	16												
4 by 4 Register File	670	16												
8-Bit Successive Approximation Register w/Expansion Control	503	16												
8-Bit Register w/Readback, Positive Clock Edge	794	20												
8-Bit Multiple Port Register	93L38	16												
Diagnostic and Pipeline Register	818	24												
12-Bit Successive Approximation Register	905	24							X					
16-Bit Selectable Register/Buffer	16838	48												
16-Bit Selectable Register/Buffer w/26Ω Series Resistors	162838	48												
22-Bit Register with 3.6V Tolerant Inputs and Outputs	16722	64												

Shift Registers (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
8-Bit Shift Register	594	16					X							
Dual 4-Bit Static Shift Register	4015	16								X				
Dual 8-Bit Static Shift Register	93L28	16												
8-Bit Shift Register	589	16					X							
8-Bit Shift Register	597	16					X							
8-Bit Static Shift Register	4014	16								X				
8-Bit Static Shift Register	4021	16								X				
8-Bit Shift Register w/Latches	595	16			X		X							
8-Bit Shift Register w/Latches	4094	16								X				
Octal Serial/Parallel w/Sign Extend	322	20												
Parallel-In/Serial-Out	165	16					X		X					
Parallel Load Shift Register	166	16												
Bidirectional, Universal	194	16												
Universal Octal Shift/Storage w/Common I/O Pins	299	20												
Universal Octal Shift/Storage w/Synchronous Reset	323	20												
Shift Right, Serial-In, Parallel-Out	164	14			X		X	X	X					
Serial-In, Serial/Parallel-Out (Common I/O Pins)	673	24												
Serial-In, Serial/Parallel Out	675	24												
Serial/Parallel-In, Serial Out	676	24												
Dual 8-Bit Shift Register	9328	16												

Counters																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Programmable Timer	4541	14															
Presetable Binary/Decade Up/Down Counter	4029	16															
Synchronous 4-Bit Binary	161	16	X		X	X	X	X								X	X
Synchronous 4-Bit Binary	163	16	X		X	X	X	X					X			X	X
Synchronous 4-Bit Binary	169	16	X		X	X	X									X	
4-Bit Binary	93	14															
4-Bit Binary	569	20	X														
4-Bit Binary w/Preset & Ripple Clock	191	16	X				X										X
4-Bit Binary w/Separate Up/Down Clocks	193	16	X				X										
4-Bit Binary Up/Down Counter	40193	16															
Presetable 4-Bit BCD Decade	160	16	X														
Synchronous 4-Bit BCD Decade	162	16	X		X												
4-Bit BCD Decade w/Preset & Ripple Clock	190	16	X														
4-Bit BCD Decade w/Separate Up/Down Clocks	192	16	X														
4-Bit Decade Counter	90	14					X		X								
4-Bit Decade Up/Down Counter	40192	16															
4-Digit Counter w/Multiplexed Segment Driver	925	16															
4-Digit Counter w/Multiplexed Segment Driver	926	18															
4-Digit Counter w/Multiplexed Segment Driver	927	18															
4-Digit Counter w/Multiplexed Segment Driver	928	18															
Dual 4-Bit Binary Counter	393	14					X										
Dual 4-Bit Decade Counter	390	16					X										
7-Bit Binary Counter	4024	14															
8-Bit Binary	269	24	X														
8-Bit Binary	579	20	X														
8-Bit Binary	779	16	X														
Decade Counter/Divider	4017	16															
Divide-by-8 Counter/Divider	4022	16															
12-Bit Binary Ripple Counter	4040	16															
14-Stage Ripple Carry Binary Counter/Divider	4020	16															
14-Bit Binary Ripple Counter	4060	16															

Counters (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Programmable Timer	4541	14									X			
Presetable Binary/Decade Up/Down Counter	4029	16									X			
Synchronous 4-Bit Binary	161	16			X		X							
Synchronous 4-Bit Binary	163	16			X		X							
Synchronous 4-Bit Binary	169	16												
4-Bit Binary	93	14								X				
4-Bit Binary	569	20												
4-Bit Binary w/Preset & Ripple Clock	191	16												
4-Bit Binary w/Separate Up/Down Clocks	193	16							X					
4-Bit Binary Up/Down Counter	40193	16									X			
Presetable 4-Bit BCD Decade	160	16												
Synchronous 4-Bit BCD Decade	162	16												
4-Bit BCD Decade w/Preset & Ripple Clock	190	16												
4-Bit BCD Decade w/Separate Up/Down Clocks	192	16							X					
4-Bit Decade Counter	90	14							X					
4-Bit Decade Up/Down Counter	40192	16									X			
4-Digit Counter w/Multiplexed Segment Driver	925	16							X					
4-Digit Counter w/Multiplexed Segment Driver	926	18							X					
4-Digit Counter w/Multiplexed Segment Driver	927	18							X					
4-Digit Counter w/Multiplexed Segment Driver	928	18							X					
Dual 4-Bit Binary Counter	393	14			X		X							
Dual 4-Bit Decade Counter	390	16												
7-Bit Binary Counter	4024	14									X			
8-Bit Binary	269	24												
8-Bit Binary	579	20												
8-Bit Binary	779	16												
Decade Counter/Divider	4017	16									X			
Divide-by-8 Counter/Divider	4022	16									X			
12-Bit Binary Ripple Counter	4040	16			X		X				X			
14-Stage Ripple Carry Binary Counter/Divider	4020	16					X				X			
14-Bit Binary Ripple Counter	4060	16					X				X			

Buffers/Line Drivers																		
Function	Device	Leads										CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT	
1-Bit Buffer	125	5																
1-Bit Buffer	126	5																
Dual Driver	908	08																
Dual Differential Line Driver	88C30	14																
Quad Buffer	125	14	X		X		X			X		X	X	X	X	X	X	
Quad Buffer	126	14					X			X								
Quad Single-Ended Line Driver	88C29	14																
Hex Buffer	17	14							X									
Hex Buffer/Line Driver	365	16	X				X											
Hex Buffer/Line Driver	366	16	X				X											
Hex Buffer	367	16					X											
Hex Buffer/Line Driver	368	16	X															
Hex Buffer	901	14																
Hex Buffer	902	14																
Hex Buffer	4010	16																
Hex Buffer	4049	16																
Hex Buffer	4050	16																
Hex Buffer	4503	16																
Hex Buffer	80C95	16																
Hex Buffer	80C97	16																
Hex Buffer	80C98	16																
Hex Buffer w/Open Collector Outputs	07	14							X									
Hex Open Drain N-Channel Buffer	906	14																
Hex Open Drain P-Channel Buffer	907	14																
Octal Buffer/Line Driver	240	20	X	X	X	X	X	X		X		X	X	X	X	X	X	
Octal Buffer/Line Driver	241	20	X		X		X	X		X		X			X	X	X	
Octal Buffer/Line Driver	244	20	X	X	X	X	X	X		X		X	X	X	X	X	X	
Octal Buffer/Line Driver	540	20	X		X							X					X	
Octal Buffer/Line Driver	541	20	X		X					X		X					X	
Octal Buffer with 3-STATE	81LS95	20					X											
Octal Buffer with 3-STATE	81LS96	20					X											
Octal Buffer with 3-STATE	81LS97	20					X											
10-Bit Buffer/Line Driver	827	24	X															
10-Bit Buffer/Line Driver	828	24	X															
Octal Buffer/Line Driver	1240	20			X													
Octal Buffer/Line Driver w/26 Ω Series Resistor	2240	20	X	X						X								
Octal Buffer/Line Driver w/26 Ω Series Resistor	2244	20	X	X						X		X						
Octal Buffer/Line Driver w/26 Ω Series Resistor	2541	20								X								
9-Bit Buffer/Line Driver	9240	24		X														
9-Bit Buffer/Line Driver	9244	24		X														
16-Bit Buffer/Line Driver	16240	48									X		X					
16-Bit Buffer/Line Driver	16244	48							X	X	X		X					
16-Bit Buffer/Line Driver	16540	48		X														
16-Bit Buffer/Line Driver	16541	48		X					X									
18-Bit Buffer/Line Driver	18825	56																
16-Bit Buffer/Line Driver w/26 Ω Series Resistor	162244	48							X	X			X					
16-Bit Selectable Register/Buffer	16838	48								X								
16-Bit Selectable Register/Buffer w/26 Ω Series Resistors	162838	48								X								
18-Bit Universal Buffer/Driver	16835	56								X								
18-Bit Universal Buffer/Driver w/26 Ω Series Resistors	162835	48								X								

Buffers/Line Drivers (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
1-Bit Buffer	125	5											X	
1-Bit Buffer	126	5											X	
Dual Driver	908	08							X					
Dual Differential Line Driver	88C30	14							X					
Quad Buffer	125	14			X		X							
Quad Buffer	126	14					X							
Quad Single-Ended Line Driver	88C29	14							X					
Hex Buffer	17	14												
Hex Buffer/Line Driver	365	16												
Hex Buffer/Line Driver	366	16												
Hex Buffer	367	16												
Hex Buffer/Line Driver	368	16												
Hex Buffer	901	14							X					
Hex Buffer	902	14							X					
Hex Buffer	4010	16								X				
Hex Buffer	4049	16					X			X				
Hex Buffer	4050	16					X			X				
Hex Buffer	4503	16								X				
Hex Buffer	80C95	16							X					
Hex Buffer	80C97	16							X					
Hex Buffer	80C98	16							X					
Hex Buffer w/Open Collector Outputs	07	14												
Hex Open Drain N-Channel Buffer	906	14							X					
Hex Open Drain P-Channel Buffer	907	14							X					
Octal Buffer/Line Driver	240	20	X	X	X	X	X	X	X					
Octal Buffer/Line Driver	241	20	X											
Octal Buffer/Line Driver	244	20	X	X	X	X	X	X	X					
Octal Buffer/Line Driver	540	20				X	X	X	X					
Octal Buffer/Line Driver	541	20		X	X	X	X	X	X					
Octal Buffer with 3-STATE	81LS95	20												
Octal Buffer with 3-STATE	81LS96	20												
Octal Buffer with 3-STATE	81LS97	20												
10-Bit Buffer/Line Driver	827	24		X										
10-Bit Buffer/Line Driver	828	24												
Octal Buffer/Line Driver	1240	20												
Octal Buffer/Line Driver w/26 Ω Series Resistor	2240	20												
Octal Buffer/Line Driver w/26 Ω Series Resistor	2244	20												
Octal Buffer/Line Driver w/26 Ω Series Resistor	2541	20												
9-Bit Buffer/Line Driver	9240	24												
9-Bit Buffer/Line Driver	9244	24												
16-Bit Buffer/Line Driver	16240	48		X										
16-Bit Buffer/Line Driver	16244	48		X										
16-Bit Buffer/Line Driver	16540	48		X										
16-Bit Buffer/Line Driver	16541	48		X										
18-Bit Buffer/Line Driver	18825	56		X										
16-Bit Buffer/Line Driver w/26 Ω Series Resistor	162244	48												
16-Bit Selectable Register/Buffer	16838	48												
16-Bit Selectable Register/Buffer w/26 Ω Series Resistors	162838	48												
18-Bit Universal Buffer/Driver	16835	56												
18-Bit Universal Buffer/Driver w/26 Ω Series Resistors	162835	48												

**Buffers/Line Drivers (continued)**

Function	Device	Leads									CROSSVOLT				FACT		
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
20-Bit Selectable Register/Buffer	16839	56									X						
20-Bit Buffer/Line Driver	16827	56									X						
20-Bit Inverting Buffer/Line Driver w/26 $\Omega$ Series Resistors	162240	48									X						
20-Bit Buffer/Line Driver w/26 $\Omega$ Series Resistors	162827	56									X						

**Buffers/Line Drivers (continued)**

Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
20-Bit Selectable Register/Buffer	16839	56												
20-Bit Buffer/Line Driver	16827	56												
20-Bit Inverting Buffer/Line Driver w/26Ω Series Resistors	162240	48												
20-Bit Buffer/Line Driver w/26Ω Series Resistors	162827	56												

Transceivers and/Registered Transceivers																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Quad Bus Transceiver	243	14	X					X									
Quad Bus Transceiver w/26 Ω Series Resistors	2243	14	X														
Octal Bus Transceiver	245	20	X	X	X	X	X			X	X	X	X	X	X	X	X
Octal Transceiver	545	20	X														
Octal Bus Transceiver	620	20	X														
Octal Bus Transceiver	623	20	X														
Octal Bus Transceiver	640	20	X		X	X											
Octal Bus Transceiver	645	20	X		X	X	X										
Octal Bus Transceiver	5245	20			X												
Octal Bus Transceiver	8652	24			X												
Octal Bus Transceiver w/26 Ω Series Resistors	2245	20		X													
Octal Bus Transceiver w/26 Ω Series Resistors	2645	20	X														
Octal Transceiver w/Parity	657	24	X														
Octal Registered Transceiver	543	24	X	X						X		X					
Octal Registered Transceiver	544	24	X														
Octal Registered Transceiver	646	24	X		X	X				X		X				X	X
Octal Registered Transceiver	652	24	X		X	X				X		X					
Octal Registered Transceiver	2952	24	X							X							
Octal Registered Transceiver, Inverting	2953	24	X														
Octal Registered Transceiver, Inverting	648	24	X			X											X
Octal Registered Transceiver, Inverting	651	24	X			X											
Octal Registered Transceiver w/Parity	552	28	X														
9-Bit Transceiver	9245	24		X													
9-Bit Latchable Transceiver w/Parity Generator/Checker	899	28	X							X							X
IEEE1284 Transceiver	1284	20															X
16-Bit Transceiver	16245	48		X						X	X	X		X			
16-Bit Transceiver w/26 Ω Series Resistors	162245	48									X	X		X			
16-Bit Registered Transceiver	16543	56								X		X					
16-Bit Registered Transceiver	16646	56								X		X					
16-Bit Registered Transceiver	16652	56								X		X					
16-Bit Registered Transceiver	16952	56								X							
IEEE161284 Transceiver	161284	48											X				
18-Bit Universal Bus Transceiver	16500	56								X	X	X					
18-Bit Universal Bus Transceiver	16501	56								X	X	X					
18-Bit Universal Bus Transceiver	16601	56									X						
18-Bit Universal Bus Transceiver w/26 Ω Series Resistors	162601	56									X						
20-Bit Selectable Register/Buffer w/26 Ω Series Resistors	56	56									X						
32-Bit Latchable Transceiver	3283	120															



Transceivers and/Registered Transceivers (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Quad Bus Transceiver	243	14												
Quad Bus Transceiver w/26 Ω Series Resistors	2243	14												
Octal Bus Transceiver	245	20	X	X	X	X	X	X						
Octal Transceiver	545	20												
Octal Bus Transceiver	620	20												
Octal Bus Transceiver	623	20												
Octal Bus Transceiver	640	20												
Octal Bus Transceiver	645	20												
Octal Bus Transceiver	5245	20												
Octal Bus Transceiver	8652	24												
Octal Bus Transceiver w/26 Ω Series Resistors	2245	20												
Octal Bus Transceiver w/26 Ω Series Resistors	2645	20												
Octal Transceiver w/Parity	657	24	X	X										
Octal Registered Transceiver	543	24	X	X										
Octal Registered Transceiver	544	24	X	X										
Octal Registered Transceiver	646	24	X	X										
Octal Registered Transceiver	652	24		X										
Octal Registered Transceiver	2952	24												
Octal Registered Transceiver, Inverting	2953	24												
Octal Registered Transceiver, Inverting	648	24												
Octal Registered Transceiver, Inverting	651	24												
Octal Registered Transceiver w/Parity	552	28												
9-Bit Transceiver	9245	24												
9-Bit Latchable Transceiver w/Parity Generator/Checker	899	28												
IEEE1284 Transceiver	1284	20												
16-Bit Transceiver	16245	48		X										
16-Bit Transceiver w/26 Ω Series Resistors	162245	48												
16-Bit Registered Transceiver	16543	56		X										
16-Bit Registered Transceiver	16646	56		X										
16-Bit Registered Transceiver	16652	56												
16-Bit Registered Transceiver	16952	56												
IEEE161284 Transceiver	161284	48				X								
18-Bit Universal Bus Transceiver	16500	56												
18-Bit Universal Bus Transceiver	16501	56												
18-Bit Universal Bus Transceiver	16601	56												
18-Bit Universal Bus Transceiver w/26 Ω Series Resistors	162601	56												
20-Bit Selectable Register/Buffer w/26 Ω series Resistors	56	56												
32-Bit Latchable Transceiver	3283	120		X										

Monostables (One-Shots)																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Single Non-Retriggerable	121	14								X							
Dual Retriggerable	123	16					X		X								
Dual Retriggerable	423	16															
Dual Retriggerable	4528	16															
Dual Retriggerable, Resettable (One Shot) with Complementary Outputs	9602	16							X								
Dual Retriggerable, Resettable Monostable Multivibrator	96L02	16							X								
Dual Retriggerable, Resettable Monostable Multivibrator	96LS02	16					X										
Dual Retriggerable Resettable Monostable Multivibrator	96S02	16						X									
Dual Non-Retriggerable	221	16					X										
Monostable/Astable Multivibrator, Retriggerable	4047	14															
Dual Precision, Retriggerable	4538	16															
Multiplexers/Encoders																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Quad 2-Input Multiplexer	157	16	X		X	X	X	X	X			X	X		X	X	X
Quad 2-Input Multiplexer	257	16	X		X	X	X	X	X			X				X	X
Quad 2-Input Multiplexer (Inverting)	258	16	X		X	X											X
Quad 2-Input Multiplexer (Inverting)	158	16	X		X	X	X	X									X
Quad 2-Input Multiplexer w/Storage	298	16					X										
Triple 2-Channel Analog Multiplexer	4053	16															
4-Input Multiplexer w/Shift	350	16	X														
Dual 4-Input Multiplexer	153	16	X		X		X	X								X	
Dual 4-Input Multiplexer	352	16	X														
Dual 4-Channel Analog Multiplexer	4052	16															
Quad 4-Input Multiplexer	253	16	X		X		X	X								X	X
8-Input Multiplexer	151	16	X		X		X	X							X	X	X
8-Input Multiplexer	251	16	X		X		X									X	X
8-Channel Buffered Data Selector	4512	16															
Single 8-Channel Analog Multiplexer	4051	16															
8-Line to 3-Line Priority Encoder	148	16	X														
9-Bit 3-Port Latchable Multiplexer	900	48		X													
1-of-16 Line Selector/Multiplexer	150	24							X								
16-Key Keyboard Encoder	922	18															
16-line to 1-Line Multiplexer	82C19	24															
20-Key Keyboard Encoder	923	20															
Quad 1-of-2 Line Data Selector/Multiplexer	9322	16							X								

Monostables (One-Shots) (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Single Non-Retriggerable	121	14												
Dual Retriggerable	123	16			X			X						
Dual Retriggerable	423	16						X						
Dual Retriggerable	4528	16									X			
Dual Retriggerable, Resettable (One Shot) with Complementary Outputs	9602	16												
Dual Retriggerable, Resettable Monostable Multivibrator	96L02	16												
Dual Retriggerable, Resettable Monostable Multivibrator	96LS02	16												
Dual Retriggerable Resettable Monostable Multivibrator	96S02	16												
Dual Non-Retriggerable	221	16			X		X		X					
Monostable/Astable Multivibrator, Retriggerable	4047	14									X			
Dual Precision, Retriggerable	4538	16					X			X				

  

Multiplexers/Encoders (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Quad 2-Input Multiplexer	157	16			X		X		X					
Quad 2-Input Multiplexer	257	16												
Quad 2-Input Multiplexer (Inverting)	258	16												
Quad 2-Input Multiplexer (Inverting)	158	16												
Quad 2-Input Multiplexer w/Storage	298	16												
Triple 2-Channel Analog Multiplexer	4053	16			X		X			X				
4-Input Multiplexer w/Shift	350	16												
Dual 4-Input Multiplexer	153	16		X	X									
Dual 4-Input Multiplexer	352	16												
Dual 4-Channel Analog Multiplexer	4052	16			X		X			X				
Quad 4-Input Multiplexer	253	16												
8-Input Multiplexer	151	16					X							
8-Input Multiplexer	251	16					X							
8-Channel Buffered Data Selector	4512	16								X				
Single 8-Channel Analog Multiplexer	4051	16			X		X			X				
8-Line to 3-Line Priority Encoder	148	16					X							
9-Bit 3-Port Latchable Multiplexer	900	48												
1-of-16 Line Selector/Multiplexer	150	24							X					
16-Key Keyboard Encoder	922	18								X				
16-Line to 1-Line Multiplexer	82C19	24								X				
20-Key Keyboard Encoder	923	20								X				
Quad 1-of-2 Line Data Selector/Multiplexer	9322	16												

Decoders/Demultiplexers																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
BCD-to-Decimal Decoder	42	16							X								
BCD-to-Decimal Decoder/Driver	45	16							X								
BCD-to-Decimal Decoder/Divider	145	16							X								
BCD-to-Decimal Decoder	4028	16															
BCD-to-Seven Segment Decoder/Driver	46	16							X								
BCD-to-Seven Segment Decoder/Driver	47	16					X		X								
BCD-to-Seven Segment Decoder	48	16															
BCD-to-Seven Segment Decoder/Driver	4511	16															
7-Segment Decoder/Driver/Latch with Constant Current	9368	16							X								
7-Segment Decoder/Driver/Latch with Constant Current	9374	16							X								
7-Segment Decoder/Driver/Latch with Open Collector	9370	16							X								
1 of 8 Decoder	538	20	X														
1 of 8 Decoder/Demultiplexer	138	16	X		X		X	X			X	X		X	X	X	
1 of 10 Decoder	537	20	X														
Dual 1 of 4 Decoder/Demultiplexer	139	16	X				X	X							X	X	
Dual 1 of 4 Decoder	539	20	X														
Dual 2-to-4 Line Decoder/Demultiplexer	155	16					X										
Dual 2-to-4 Line Decoder/1-to-4 Line Demultiplexer w/Open Collector Outputs	156	16					X										
3 of 8 Decoder/Demultiplexer	137	16			X												
4-to-16 Line Decoder	154	24					X										
4-Bit Latched/4-to-16 Line Decoder	4514	24															
4-Bit Latched/4-to-16 Line Decoder	4515	24															

Decoders/Demultiplexers (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
BCD-to-Decimal Decoder	42	16								X				
BCD-to-Decimal Decoder/Driver	45	16												
BCD-to-Decimal Decoder/Divider	145	16												
BCD-to-Decimal Decoder	4028	16									X			
BCD-to-Seven Segment Decoder/Driver	46	16												
BCD-to-Seven Segment Decoder/Driver	47	16												
BCD-to-Seven Segment Decoder	48	16							X					
BCD-to-Seven Segment Decoder/Driver	4511	16									X			
7-Segment Decoder/Driver/Latch with Constant Current	9368	16												
7-Segment Decoder/Driver/Latch with Constant Current	9374	16												
7-Segment Decoder/Driver/Latch with Open Collector	9370	16												
1 of 8 Decoder	538	20												
1 of 8 Decoder/Demultiplexer	138	16			X	X	X	X						
1 of 10 Decoder	537	20												
Dual 1 of 4 Decoder/Demultiplexer	139	16			X		X							
Dual 1 of 4 Decoder	539	20												
Dual 2-to-4 Line Decoder/Demultiplexer	155	16												
Dual 2-to-4 Line Decoder/1-to-4 Line Demultiplexer w/Open Collector Outputs	156	16												
3 of 8 Decoder/Demultiplexer	137	16												
4-to-16 Line Decoder	154	24					X		X					
4-Bit Latched/4-to-16 Line Decoder	4514	24					X			X				
4-Bit Latched/4-to-16 Line Decoder	4515	24								X				

Arithmetic Logic																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Arithmetic Logic Unit	181	1	X					X									
Arithmetic Logic Unit	181	24															
Arithmetic Logic Unit	381	20	X														
Arithmetic Logic Unit	382	20	X														
Binary Full Adder w/Fast Carry	283	16	X					X	X								
Carry Lookahead Generator	182	16	X						X								
4-Bit Arithmetic Logic Unit	93S41	16							X								
4-Bit Binary Adder	28	14						X									
4-Bit Binary Adder	83	16						X									
4-Bit BCD Adder	583	16	X														
4-Bit Magnitude Comparator	85	16						X									
5-Bit Comparator	9324	16							X								
8-Bit Comparator	520	20			X											X	X
8-Bit Comparator	521	20	X		X											X	X
8-Bit Comparator	524	20	X														
8-Bit Magnitude Comparator	688	20															

  

Memories/Memory Support, and FIFOs																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
16 x 4 RAM	189	16	X														
16 x 4 RAM	219	16	X														
16 x 4 FIFO Buffer Memory	403	24	X														
16 x 4 FIFO Buffer Memory	9403	24	X														
64 x 4 FIFO Buffer Memory	413	16	X														
64 x 4 FIFO Buffer Memory	433	24	X														
64 x 9 FIFO Buffer Memory	2708	20															X
64-Bit Random Access Read/Write Memory	89	16															

  

Video Support																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Programmable Video Sync Generator	715	20															X
Programmable Video Sync Generator	715-R	20															X

  

Display Controllers																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
4-Digit LED Display Controller	911	28															
8-Digit BCD LED Display Controller	912	28															

  

Phase Locked Loops																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Micropower Phase Locked Loop	4046	16															

Arithmetic Logic (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Arithmetic Logic Unit	181	1												X
Arithmetic Logic Unit	181	24												
Arithmetic Logic Unit	381	20												
Arithmetic Logic Unit	382	20												
Binary Full Adder w/Fast Carry	283	16												
Carry Lookahead Generator	182	16												
4-Bit Arithmetic Logic Unit	93S41	16												
4-Bit Binary Adder	28	14												
4-Bit Binary Adder	83	16												
4-Bit BCD Adder	583	16												
4-Bit Magnitude Comparator	85	16								X				
5-Bit Comparator	9324	16												
8-Bit Comparator	520	20												
8-Bit Comparator	521	20												
8-Bit Comparator	524	20												
8-Bit Magnitude Comparator	688	20						X						

  

Memories/Memory Support, and FIFOs (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
16 x 4 RAM	189	16												
16 x 4 RAM	219	16												
16 x 4 FIFO Buffer Memory	403	24												
16 x 4 FIFO Buffer Memory	9403	24												
64 x 4 FIFO Buffer Memory	413	16												
64 x 4 FIFO Buffer Memory	433	24												
64 x 9 FIFO Buffer Memory	2708	20												
64-Bit Random Access Read/Write Memory	89	16								X				

  

Video Support (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Programmable Video Sync Generator	715	20												
Programmable Video Sync Generator	715-R	20												

  

Display Controllers (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
4-Digit LED Display Controller	911	28								X				
6-Digit BCD LED Display Controller	912	28								X				

  

Phase Locked Loops (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Micropower Phase Locked Loop	4046	16			X		X				X			

Cyclic Redundancy Checker-Generator																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Cyclic Redundancy Checker-Generator	401	14	X														
Serial Data Polynomial Generator/Checker	402	16	X														
Parity Generator/Checker																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Parity Generator/Checker	280	14	X			X		X									
Parity Generator/Checker	286	14				X											
9-Input Parity Checker/Generator	93S62	24						X									
Octal Transceiver w/Parity	657	24	X														
9-Bit Latchable Transceiver w/Parity Generator/Checker	899	28	X							X						X	
Bus Termination/Protection Arrays																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
8-Bit Schottky Barrier Diode Array	1056	16	X														
18-Bit Undershoot/Overshoot Clamp and ESD Protection	1071	20	X														
Dual Supply Voltage Translators																	
Function	Device	Leads									CROSSVOLT					FACT	
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
Octal Translating Transceiver	3245	24										X					
Octal Translating Transceiver	4245	24										X					
Octal Translating Transceiver	C3245	24										X					
Octal Translating Transceiver	C4245	24										X					



**Cyclic Redundancy Checker-Generator (continued)**

Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Cyclic Redundancy Checker-Generator	401	14												
Serial Data Polynomial Generator/Checker	402	16												

**Parity Generator/Checker (continued)**

Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Parity Generator/Checker	280	14												
Parity Generator/Checker	286	14												
9-Input Parity Checker/Generator	93S62	24												
Octal Transceiver w/Parity	657	24	X	X										
9-Bit Latchable Transceiver w/Parity Generator/Checker	899	28												

**Bus Termination/Protection Arrays (continued)**

Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
8-Bit Schottky Barrier Diode Array	1056	16												
18-Bit Undershoot/Overshoot Clamp and ESD Protection	1071	20												

**Dual Supply Voltage Translators (continued)**

Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
Octal Translating Transceiver	3245	24												
Octal Translating Transceiver	4245	24												
Octal Translating Transceiver	C3245	24												
Octal Translating Transceiver	C4245	24												

Switches																	
Function	Device	Leads									CROSSVOLT				FACT		
			FAST	FASTr	ALS	AS	LS	S	TTL	ABT	VCX	LCX	LVX	LVT	LVQ	AC	ACT
1-Bit Low Power Digital Switch	66	5															
1-Bit Bus Switch	384	5															
1-Bit Bus Switch w/Diode	D384	5															
4-Bit Bus Switch	3125	14															
4-Bit Bus Switch	3126	14															
Quad Bilateral Switch	4016	14															
Quad Bilateral Switch	4066	14															
Quad Analog Switch w/Translator	4316	16															
Quad 2-1 Multiplexer Switch	3257	26															
Dual 4-1 Multiplexer Switch	3253	26															
8-Bit Bus Switch	3244	20															
8-Bit Bus Switch	3245	20															
8-Bit Bus Switch	3345	20															
10-Bit Bus Switch	3384	24															
10-Bit Bus Switch w/Precharged Outputs	6800	24															
10-Bit Bus Switch with Undershoot Protection	U3384	24															
10-Bit Bus Exchange	3383	24															
18-Bit Bus Exchange	16209	48															
20-Bit Bus Exchange	16210	48															
24-Bit Bus Exchange	16212	56															
24-Bit Bus Exchange	16213	56															
24-Bit Bus Switch	16211	56															
16-32 Bit Multiplexer	16232	56															
16-32 Bit Multiplexer	16233	56															
12-24 Bit Multiplexer	16292	56															

Switches (continued)														
Function	Device	Leads	FACT QS		VHC		HCMOS				TinyLogic			Fairchild Switch
			ACQ	ACTQ	VHC	VHCT	HC	HCT	C	CD4K	NC7S	NC7ST	NC7SZ	FST
1-Bit Low Power Digital Switch	66	5												X
1-Bit Bus Switch	384	5												X
1-Bit Bus Switch w/Diode	D384	5												X
4-Bit Bus Switch	3125	14												X
4-Bit Bus Switch	3126	14												X
Quad Bilateral Switch	4016	14								X				
Quad Bilateral Switch	4066	14			X		X			X				
Quad Analog Switch w/Translator	4316	16			X		X							
Quad 2-1 Multiplexer Switch	3257	26												X
Dual 4-1 Multiplexer Switch	3253	26												X
8-Bit Bus Switch	3244	20												X
8-Bit Bus Switch	3245	20												X
8-Bit Bus Switch	3345	20												X
10-Bit Bus Switch	3384	24												X
10-Bit Bus Switch w/Precharged Outputs	6800	24												X
10-Bit Bus Switch with Undershoot Protection	U3384	24												X
10-Bit Bus Exchange	3383	24												X
18-Bit Bus Exchange	16209	48												X
20-Bit Bus Exchange	16210	48												X
24-Bit Bus Exchange	16212	56												X
24-Bit Bus Exchange	16213	56												X
24-Bit Bus Switch	16211	56												X
16-32 Bit Multiplexer	16232	56												X
16-32 Bit Multiplexer	16233	56												X
12-24 Bit Multiplexer	16292	56												X

  

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