



**Other Fairchild Digital Families  
And Application Notes**

## LIST OF OTHER FAIRCHILD DIGITAL PRODUCTS AND APPLICATION NOTES

In addition to TTL, Fairchild also manufactures other digital logic integrated circuit families. Further information on these other products is available on request from:

Fairchild Semiconductor  
P.O. BOX 880A  
Mountain View, California 94040  
Att. Distribution Services

### CTL—COMPLEMENTARY TRANSISTOR LOGIC

#### 9952 Series (CTL I)

9030 8-Bit Memory Cell  
9952 Dual 2-Input NOR Gate  
9953 AND/OR Gate  
9954 AND/OR Gate  
9955 AND/OR Gate  
9956 Dual 2-Input Buffer  
9957 Flip-Flop  
9964 AND/OR Gate  
9965 AND/OR Gate  
9966 AND/OR Gate  
9967 Flip-Flop  
9968 Dual High Speed Latch  
9971 AND/OR Gate  
9972 AND/OR Gate

#### 9852 Series (CTL II)

9801 Dual Gated Phase Splitter NOR/OR  
9806 Hex Inverter NOR/OR  
9816 Hex Restorer (Buffer) AND/OR Gate  
9820 100  $\Omega$  Line Receiver  
9821 100  $\Omega$  Line Driver  
9822 Dual Full Adder/Subtractor  
9823 Carry Lookahead Logic for 9822  
9824 4-Bit Comparator  
9828 Dual JK-D Flip-Flop  
9834 Quad Latch (with output gating)  
9838 1-of-8 Decoder  
9852 Dual 2-Input Inverter NOR/OR  
9853 2-2-3-Input AND/OR Gate  
9854 Dual 4-Input AND/OR Gate  
9855 Single 8-Input AND/OR Gate  
9856 Dual 2-Input Restorer (Buffer) AND/OR Gate  
9863 9874 (minus 2 k $\Omega$  resistors) AND/OR Gate  
9864 3-1-3-Input AND/OR Gate  
9865 Quad 1-Input AND/OR Gate  
9866 Quad 2-Input (one pair or tied) AND/OR Gate  
9871 Quad 2-Input (pairs or tied) AND/OR Gate  
9872 9866 (minus 2 K Input resistors) AND/OR Gate  
9874 3-2-2-Input AND/OR Gate  
9875 4-3-3-Input AND/OR Gate  
9877 Micro Operator  
9881 8-Input Multiplexer  
9883 8-Input Priority Encoder

### DTL—DIODE TRANSISTOR LOGIC

#### 9930 Series

9930 Dual 4-Input Extendable NAND Gate  
9932 Quad 2-Input Extendable NAND Buffer Gate  
9933 Extender  
9935 Extendable Hex Inverter  
9936 Hex Inverter  
9937 Hex Inverter  
9941 Monostable Multivibrator  
9944 Quad 2-Input Extendable NAND Buffer Gate (Open Collector)  
9945 RS Flip-Flop  
9946 Quad 2-Input NAND Gate  
9948 RS Flip-Flop  
9949 Quad 2-Input NAND Gate  
9950 ac Coupled RS Flip-Flop  
9951 Monostable Multivibrator  
9961 Dual 4-Input Extendable NAND Gate  
9962 Triple 3-Input NAND Gate  
9963 Triple 3-Input NAND Gate  
9135 Hex Inverter (Open Collector)  
9157 Quad 2-Input Buffered NAND Gate  
9158 Quad 2-Input Power NAND Gate  
9093 Dual JK Flip-Flop  
9094 Dual JK Flip-Flop  
9097 Dual JK Flip-Flop  
9099 Dual JK Flip-Flop  
9109 High Voltage Hex Inverter  
9110 High Voltage Hex Inverter  
9111 RS Flip-Flop  
9112 High Voltage Hex Inverter

#### 1800 Series

1800 Dual 5-Input NAND Gate  
1801 Dual 5-Input NAND Gate  
1802 Single 8-Input NAND Gate  
1803 Single 8-Input NAND Gate  
1804 Single 10-Input NAND Gate  
1805 Single 10-Input NAND Gate  
1806 Quad 2-Input AND Gate  
1807 Quad 2-Input AND Gate  
1808 Quad 2-Input OR Gate  
1809 Quad 2-Input OR Gate  
1810 Quad 2-Input NOR Gate  
1811 Quad 2-Input NOR Gate  
1812 Quad 2-Input Exclusive OR Gate  
1813 Quad Latch  
1814 Quad Latch

## ECL — EMITTER COUPLED LOGIC

### 9500 Series

95H00	4-Bit Universal Register
9502	Dual 4-Input OR/NOR Gate (2.4 ns)
95H02	High Speed 9502 (1.6 ns)
9503	Triple 2-Input OR/NOR Gate (2.4 ns)
95H03	High Speed 9503 (1.6 ns)
9504	Quad 2-Input NOR Gate (2.4 ns)
95H04	High Speed 9504 (1.6 ns)
9505	Quad OR/AND Gate
9507	Quad AND/NAND Gate
95H10	Synchronous Decade Counter
95H16	Synchronous Binary Counter
95H22	High Input Z 95H02
95L22	Low Power 9502 (20 mW, 2 ns)
95H23	High Input Z 95H03
95L23	Low Power 9503 (20 mW, 2 ns)
95H24	High Input Z 95H04
95L24	Low Power 9504 (20 mW, 2 ns)
9528	160 MHz "Dual D" Flip-Flop
95H28	220 MHz 9528
95H29	210 MHz JK Flip-Flop
9534	Quad Latch
9538	2 Line/8 Line Decoder
*95H39	8-Bit Multiport Memory
95H41	4-Bit ALU
*95H42	Lookahead Unit for 95H41
95H55	5-Bit Comparator
9578	Quad Exclusive-OR Gate/4-Bit Comparator
9579	Quad 2-Input Multiplexer
9580	Triple 2-Input Multiplexer
9581	8-Input Multiplexer
9582	Multifunction Receiver/Schmitt Trigger
95H84	2-Bit Adder/Subtractor
95H90	250 MHz Prescaler (divide by 10/11)
9595	ECL — TTL Converter
95400	64-Bit RAM — 16X4
95401	16-Bit RAM — 16X1
95410	256-Bit RAM — 256X1

### 95100 Series

*95101	Dual 2-Wide OR-AND/NAND Gate
95102	Dual OR/NOR Gate
95103	Triple OR/NOR Gate
95104	Quad OR/NOR Gate
*95105	4-Wide OR-AND/NAND Gate
*95106	Dual 3-Input, 3-Output OR Gate
*95108	Quad 1-Input OR/NOR Gate
*95109	Dual 3-Input, 3-Output NOR Gate
95110	Synchronous Decade Counter
95116	Synchronous Hexadecimal Counter
95128	Dual D Flip-Flop
95129	JK Flip-Flop
*95134	Quad Latch
*95138	1-of-8 Decoder
95141	4-Bit ALU/Function Generator
*95178	Quad Exclusive OR
*95179	Quad 2-Input Multiplexer
*95180	Triple 2-Input Multiplexer
*95196	Quad ECL—TTL Level Converter
*95197	Quad TTL—ECL Level Converter

## RTL — RESISTOR TRANSISTOR LOGIC

### 9900 Series

9900	Buffer
9901	Counter Adapter
9902	Flip-Flop
9903	3-Input NOR Gate
9904	Half Adder
9905	Half Shift Register
9906	Half Shift Register
9907	4-Input Gate
9908	Adder
9909	Buffer
9910	Dual Gate
9911	Dual Gate W/Inverter
9912	Half Adder
9913	Type D F/F
9914	Dual 2-Input NOR Gate
9915	Dual 3-Input NOR Gate
9921	Expander
9923	JK Flip-Flop
9926	JK Flip-Flop
9927	Quad Inverter
9974	JK Flip-Flop

## C<sub>μ</sub>L (RTL) — COUNTING MICROLOGIC

9958	Decade Counter
9959	4-Bit Latch
9960	Decoder/Driver
9989	Binary Counter

## TTL APPLICATIONS NOTE INDEX

The following Applications notes provide further information on many of the devices described in this catalog. New Application notes are prepared often. Check Fairchild Application Index, published quarterly, for the most up to date listing.

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304	9360/66 Up/Down Counters
305	9348 12-Input Parity Checker/Generator

\*To be announced.