



COMPONENT NEWS

EVALUATION ENGINEERING

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COMPILED BY PRODUCT RELIABILITY INFORMATION NO. 126 DATE 3-10-70

PROGRAMMABLE UNIJUNCTION TRANSISTOR, P/N 151-0508-00

The *PROGRAMMABLE UNIJUNCTION* is a relatively new device to be used in several new instruments. It is not obvious how the leads should be arranged. For consistency at *TEKTRONIX*, Component Evaluation recommends that the center (gate) lead be bent toward the flat side of the plastic case for all new applications.

For further information, contact me at Ext 345.

-Louis Mahn

INTEGRATED CIRCUITS

The following list of purchased IC's supersedes the list in Component News No. 115:

ECL (Emitter-coupled Logic)

MOTOROLA 'MECL I'

MECL I is not recommended for new design. (MECL II is faster and lower priced.)

156-0002	MC358AG J-K flip-flop	10-lead "TO-5"
156-0003	MC357G 3-input gate	"
156-0004	MC354G Bias driver	"
156-0006	MC360G Dual 2-input gate	"
156-0007	MC352G R-S flip-flop	"
156-0008*	MC355G Gate expander	"

MOTOROLA 'MECL II'

156-0022	MC1013L J-K flip-flop	14DIP
156-0023	MC1001L 6-input gate	"
156-0024	MC1004L Dual 4-input gate	"
156-0025	MC1010L Quad 2-input gate	"
156-0054	MC1006P Dual 4-input gate	"
156-0056	MC1023L Dual 4-input clock driver	"
156-0076	MC1023P Selected for 90 μ A max. input current	"

MOTOROLA 'MECL III'

156-0063	MC1660S Dual 4-input gate	Spec. flat pack.
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*Non-prod.

RTL (Resistor Transistor Logic)

FAIRCHILD "9900" series, 0-70°C

156-0010	"900" Buffer	8-lead epoxy
156-0011	"914" Dual 2-input gate	"
156-0012	"923" J-K flip-flop	"
156-0016	"997" Four bit shift register	14DIP

FAIRCHILD "Counter Micrologic"

156-0001	C _μ L 9960 Decimal decoder/driver	16DIP
156-0005*	C _μ L 9958 Decade counter	TO-99
156-0009*	C _μ L 9959 Buffer storage	16DIP

MOTOROLA "800P" series

156-0018	MC817P Quad 2-input gate (mW)	14DIP
156-0019	MC822P J-K flip-flop (mW)	"
156-0020	MC824P Quad 2-input gate	"
156-0021	MC889P Hex inverter	"
156-0028	MC826P J-K flip-flop	"
156-0044	MC890P Dual J-K flip-flop	"
156-0045	MC892P Triple 3-input gate	"
156-0046*	MC887P J-K flip-flop, inverter, 2 buffers	"
156-0050	MC825P Dual 4-input gate	"
156-0059	MC891P Dual J-K flip-flop	"
156-0064	MC867P Quad latch	16DIP

TTL (Transistor Transistor Logic)

FAIRCHILD "9000" series

156-0029	"9016" Hex inverter	14DIP
-----	"9601" Retriggerable monostable multivibrator	"

TEXAS INSTRUMENTS "74N" series

156-0030	SN7400N Quad 2-input positive NAND gate	14DIP
156-0031	SN7454N 4-wide, 2-input AND-OR-INVERT gate	"
156-0032	SN7493N 4-bit binary counter	"
156-0034	SN7420N Dual 4-input positive NAND gate	"
156-0035	SN7430N Single 8-input positive NAND gate	"
156-0036	SN7440N Dual 4-input positive NAND buffer	"
156-0037	SN7451N Dual 2-wide, 2-input AND-OR-INVERT gate	"
156-0038	SN7472N J-K Master-slave flip-flop	"
156-0039	SN7473N Dual J-K Master-slave flip-flop	"
156-0040	SN7475N Quad latch	16DIP
156-0041	SN7474N Dual D flip-flop	14DIP
156-0042	SN7476N Dual J-K Master-slave flip-flop	16DIP
156-0043	SN7402N Quad 2-input positive NOR gate	14DIP
156-0047	SN7410N Triple 3-input positive NAND gate	"
156-0057	SN7401N Quad 2-input positive NAND gate (with open-collector output)	"
156-0058	SN7404N Hex Inverter	"
156-0061	SN7442N BCD to decimal decoder	16DIP
156-0062	SN7486N Quad 2-input Exclusive OR gate	14DIP
156-0072	SN74121N Monostable multivibrator (one-shot)	"

*Non-prod.

TEXAS INSTRUMENTS "74N" series cont'd

156-0073		SN7496N 5-bit shift register	16DIP
156-0075		SN74151N 8-bit data selector with strobe	"
-----		SN74154N 1 of 16 decoder	24DIP

MOS IC's

156-0051	<i>T.I.</i>	TMS-7C-3003-LA	Dual 100-bit static shift register	TO-100
156-0055	<i>T.I.</i>	TMS-7B-3001-LA	Dual 32-bit static shift register	"

Linear IC's

156-0013	<i>FAIRCHILD</i>	μ A710C	Differential comparator	TO-99
156-0014	<i>AMELCO</i>	831BE	Differential amplifier (Not recommended for new design)	12-lead "TO-5"
156-0015	<i>FAIRCHILD & RAYTHEON</i>	μ A709C	Operational amplifier	TO-99
156-0017	<i>RCA</i>	CA3015	Operational amplifier (Not recommended for new design)	12-lead "TO-5"
156-0027*	<i>NSC</i>	LM201	Operational amplifier	TO-99
156-0033	<i>RCA</i>	CA3028A	RF/IF amplifier	TO-99
156-0048	<i>RCA</i>	CA3046	Five transistor array	14DIP
156-0049	<i>FAIRCHILD</i>	μ A741C	Operational amplifier	TO-99
156-0052*	<i>MOTOROLA</i>	MC1461R	Voltage Regulator	9-lead power package
156-0053	<i>FAIRCHILD</i>	μ A723C	Voltage Regulator	TO-100
156-0060	<i>NSC</i>	LM302	Voltage follower	TO-99
156-0065	<i>RCA</i>	CA3045	Five transistor array selected for V_{ce} (sat) $\leq 0.4V$	14DIP
156-0067	<i>FAIRCHILD</i>	μ A741C	Operational amplifier	8DIP
156-0068	<i>RCA</i>	CA3046	Five transistor array selected for V_{ce} (sat) $\leq 0.4V$	14DIP
156-0069	<i>MOTOROLA</i>	MC1550G	RF/IF amplifier	10-lead "TO-5"
156-0070	<i>RAYTHEON</i>	RC4131	Operational amplifier	TO-99
156-0071	<i>FAIRCHILD</i>	μ A723C	Voltage regulator	14DIP
156-0074	<i>FAIRCHILD</i>	μ A733C	Video amplifier	(Note: Package to be determined)

For further information, contact Ron Huntington (MOS, RTL), Ext 6336; Bill Markwart (DTL, TTL), Ext 7262; or Steve Tosh (Linear, MECL), Ext 7262.

-Bill Markwart

*Non-prod.