

96L02

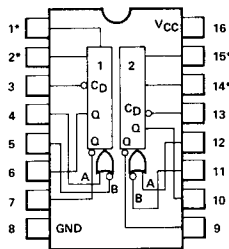
LOW POWER DUAL ONE-SHOT MULTIVIBRATOR

Retriggerable Resettable Monostable Multivibrator
(Reference: Fairchild Low Power TTL Book)

The 96L02 is pin and function compatible with the F4528 Dual Monostable and exhibits improved stability and speed. It is usable in 5 V CMOS systems.

- TYPICAL POWER DISSIPATION OF 25 mW/ONE SHOT
- 50 ns TYPICAL PROPAGATION DELAY
- RETRIGGERABLE 0 TO 100% DUTY CYCLE
- FAIRCHILD 4000B COMPATIBLE INPUTS
- OPTIONAL RETRIGGER LOCK-OUT CAPABILITY
- PULSE WIDTH COMPENSATED FOR V_{CC} AND TEMPERATURE VARIATIONS
- RESETTABLE

96L02 LOGIC AND CONNECTION DIAGRAM
DIP (TOP VIEW)



* Leads for external timing

μ A775

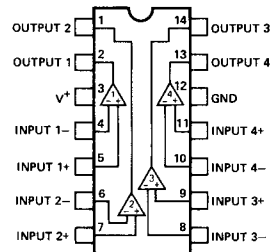
QUAD COMPARATOR VOLTAGE COMPARATOR

(Reference: Fairchild μ A775 Data Sheet)

In a CMOS system it may be necessary to detect differences between two voltage levels and convert to logic levels. The μ A775 Quad Comparator is capable of operating over the CMOS power supply range. These comparators have a unique characteristic in that the input common mode voltage range includes ground, even though operated from a single power supply voltage. Applications include limit comparators, simple analog to digital converters; pulse, squarewave and time delay generators and wide range V_{CO} .

- SINGLE SUPPLY OPERATION—+2.0 V TO +36 V
- COMPARES VOLTAGES NEAR GROUND POTENTIAL
- LOW CURRENT DRAIN—700 μ A TYPICAL
- COMPATIBLE WITH ALL FORMS OF CMOS
- LOW INPUT BIAS CURRENT—25 nA TYPICAL
- LOW INPUT OFFSET CURRENT—25 nA
- LOW OFFSET VOLTAGE—5 mV MAX

LOGIC AND CONNECTION DIAGRAM
DIP (TOP VIEW)



POWER SUPPLY REGULATOR

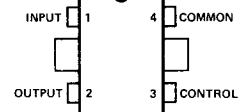
μ A78MG 4-Terminal Regulator

(Reference: Fairchild μ A78 MG • μ A79 MG Data Sheet)

This single compact regulator with its 500 mA capability is sufficient for all but the very largest CMOS systems. The adjustable output voltage feature allows fine tuning of system speed power product.

- OUTPUT CURRENT IN EXCESS OF 0.5 A
- POSITIVE OUTPUT VOLTAGE 5 TO 30 V
- INTERNAL THERMAL OVERLOAD PROTECTION
- INTERNAL SHORT CIRCUIT CURRENT PROTECTION
- OUTPUT SAFE AREA PROTECTION
- POWER MINI DUAL IN-LINE PACKAGE

μ A78 MG CONNECTION DIAGRAM
DIP (TOP VIEW)



NOTE: Heat sink tabs connected to common