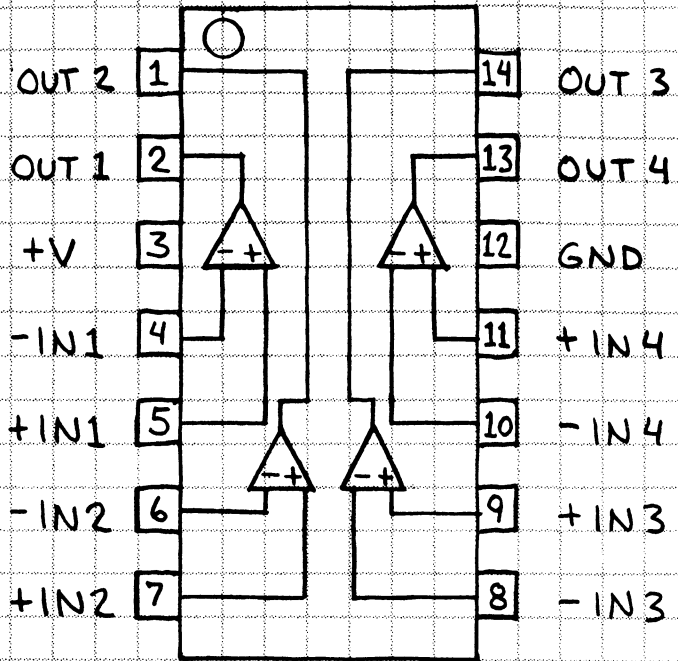


# 339 QUAD COMPARATOR

THE 339 CONTAINS FOUR INDEPENDENT COMPARATORS, MAKING IT AN ECONOMICAL APPROACH TO COMPARATOR CIRCUITS. IT OPERATES FROM A SINGLE POLARITY POWER SUPPLY.



## MAXIMUM RATINGS

SUPPLY VOLTAGE	+36V OR $\pm 18V$
POWER DISSIPATION	570 mW
DIFFERENTIAL INPUT VOLTAGE	36 V
INPUT VOLTAGE	-0.3V TO +36V
OUTPUT SHORT CIRCUIT (NOTE 1)	CONTINUOUS
OPERATING TEMPERATURE	0°C TO 70°C

NOTE 1: OK TO SHORT OUTPUT TO GROUND. DO NOT SHORT OUTPUT TO +V SINCE CHIP WILL OVERHEAT.

## CHARACTERISTICS (NOTE 2)

INPUT OFFSET VOLTAGE	$\pm 3$ TO $\pm 20$ mV
VOLTAGE GAIN	2,000 TO 30,000
SUPPLY CURRENT	.8 TO 2 mA
OUTPUT SINK CURRENT	6 TO 16 mA

NOTE 2: VALUES SHOWN ARE MINIMUM TO TYPICAL.