

DUAL 4-BIT COMPARATOR

MC4321/4021

MC4322/4022

The 4-bit comparator compares four bits of input information to four bits of reference information. When each bit of the input information is the same as its corresponding reference information, bit for bit, the output of the comparator will be in the high ("1") state. For any other condition, the output of the comparator will be in the low ("0") state.

In this dual 4-bit comparator, the four reference inputs (R) serve both comparators. There is no interrelation between the A and B data inputs of the dual comparator. Output Z1 reflects comparison of the A and R bits, while output Z2 shows conditions at inputs B and R.

The MC4021 has open-collector outputs; the MC4022 has totem-pole outputs.

