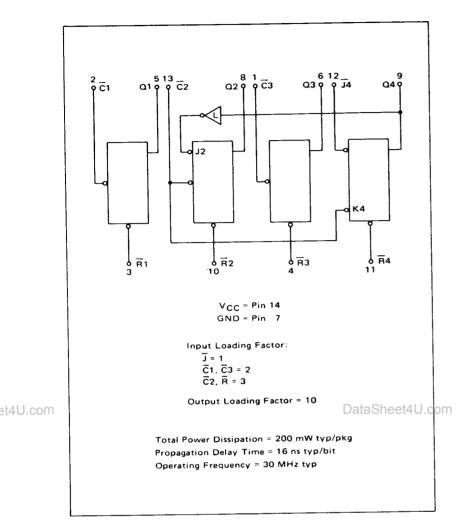
4-BIT UNIVERSAL COUNTER

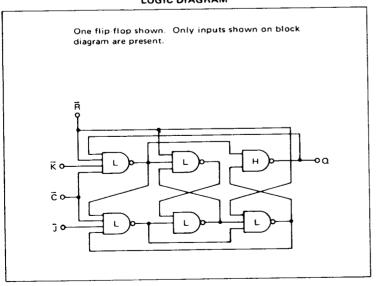
MC4323 MC4023



This device is a 4-bit counter with internally connected feedback. Inputs and outputs can be connected to count to any number between two and twelve except seven and eleven. Reset inputs are provided on each flip-flop to allow direct setting of the Ω outputs to zero any time during the counting cycle.

Each flip-flop in the counter is built from high and low-level gates as shown by the logic diagram. The flip-flops and the feedback inverter are connected as shown by the block diagram to provide minimum power dissipation and maximum drive capability.

LOGIC DIAGRAM



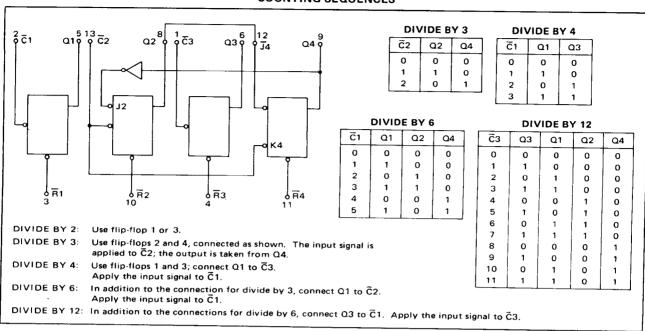
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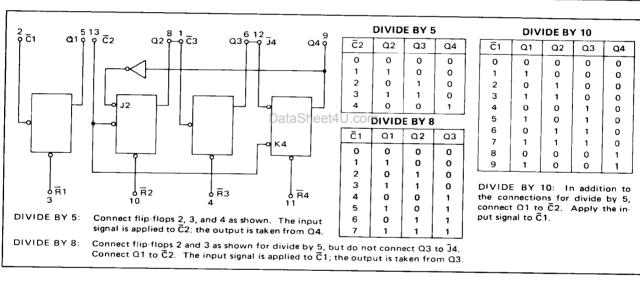
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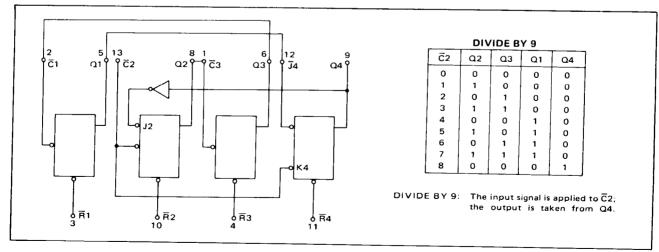
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MC4323 MC4023 (CONTINUED)

COUNTING SEQUENCES







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