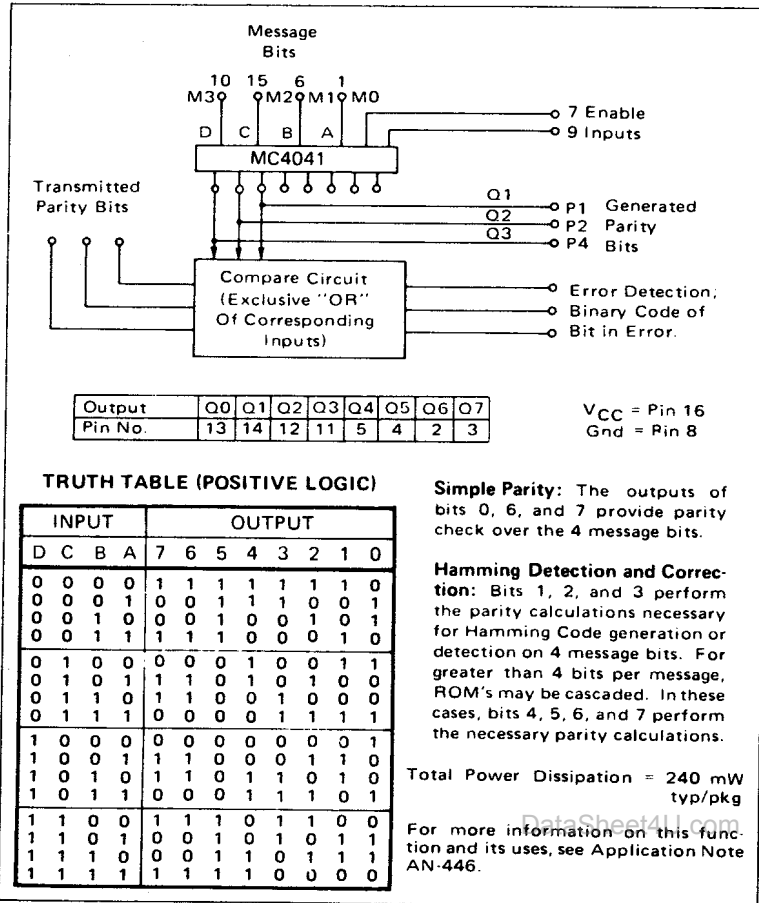


SINGLE-ERROR HAMMING CODE DETECTOR AND GENERATOR MC4341 MC4041



The MC4041 is a programmed 128-Bit Read Only Memory suitable for a variety of error detection and correction applications.

Simple parity trees for error detection can be constructed using the MC4041P as the basic building block. Also, more complex error control schemes, such as Hamming single error detection and correction, can be implemented with this device.

Features:

- Address times < 45 ns
- Outputs sink 20 mA
- Output capacitance < 7.0 pF @ 1.5 V
- Wired OR capability to 64 memories

ENABLE INPUT TRUTH TABLE (POSITIVE LOGIC)

E	E	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q0
0	0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1	1
1	1	FUNCTION ENABLED							

