

# 4008B

## 4-BIT BINARY FULL ADDER

**DESCRIPTION** – The 4008B is a 4-Bit Binary Full Adder with two 4-bit Data Inputs ( $A_0$ - $A_3$ ,  $B_0$ - $B_3$ ); a Carry Input ( $C_0$ ), four Sum Outputs ( $S_0$ - $S_3$ ) and a Carry Output ( $C_4$ ).

The 4008B uses full lookahead across 4-bits to generate the Carry Output ( $C_4$ ). This minimizes the necessity for extensive "lookahead" and carry-cascading circuits.

- CARRY LOOKAHEAD BUFFERED OUTPUT
- EASILY CASCADED

**PIN NAMES**

$A_0$ - $A_3$ , $B_0$ - $B_3$	Data Inputs
$C_0$	Carry Input
$S_0$ - $S_3$	Sum Outputs
$C_4$	Carry Output



