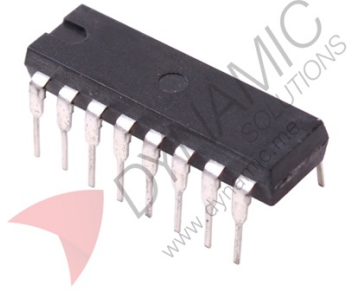


## 74HC283 4-Bit Binary Full Adder IC



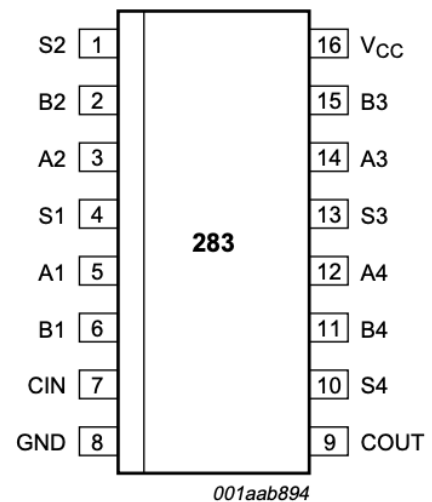
### Features:

The 74HC283 is a high speed CMOS 4-bit binary full adder with fast carry logic designed for efficient arithmetic operations. It adds two 4-bit binary inputs along with a carry input and produces sum outputs and a carry output. The device supports cascading for higher bit arithmetic operations and operates with low power consumption. It is suitable for use in arithmetic logic units, digital calculators, and data processing systems.

Specifications	
Supply Voltage (VCC)	2V to 6V
Input Voltage	0 to VCC
Output Voltage	0 to VCC
Propagation Delay	16 to 23 ns
Input Capacitance	3.5 pF
Power Dissipation Capacitance	88 pF
Operating Temperature	-40C to 125C
Package Type	16-pin DIP
Usage	Arithmetic operations, ALU, digital addition

### Pinouts:

Pin Name	Type	Description
S2	Output	Sum output bit 2
B2	Input	B operand input bit 2
A2	Input	A operand input bit 2
S1	Output	Sum output bit 1
A1	Input	A operand input bit 1
B1	Input	B operand input bit 1
CIN	Input	Carry input
GND	Power	Ground
COUT	Output	Carry output
S4	Output	Sum output bit 4
B4	Input	B operand input bit 4
A4	Input	A operand input bit 4
S3	Output	Sum output bit 3
B3	Input	B operand input bit 3
A3	Input	A operand input bit 3
VCC	Power	Supply voltage



**Product Pictures:**

