ForDevices

Hex Schmitt Trigger Inverters

DESCRIPTION

The 74HC14 types consist of six inverter circuits with Schmitt-trigger inputs. They perform the Boolean function $Y = \overline{A}$ in positive logic. Each of the six inverters is a single stage.

APPLICATIONS

- Microwave Oven
- Mice
- Printers
- AC Inverter Drives
- UPS
- AC Servo Drives
- Other Motor Drives

FUNCTION TABLE

Input (A)	Output (Y)
H	L
L	H

FEATURES

- Wide Operating Voltage Range of 2.0V to 6.0V
- Outputs Can Drive up to 10 LSTTL Loads
- Low Power Consumption, 20μA Maximum I_{CC}
- Typical t_{pd}: 11ns
- ±4mA Output Drive at 5.0V
- Low Input Current of 1.0μA Maximum

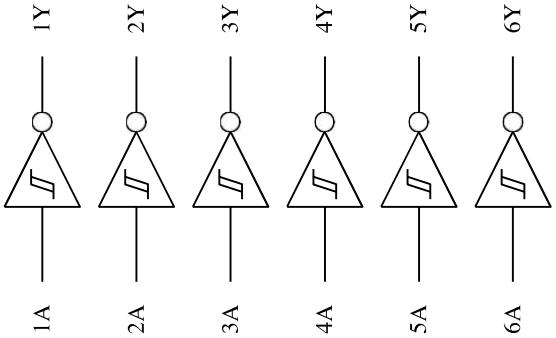
74HC14

SOP-14L

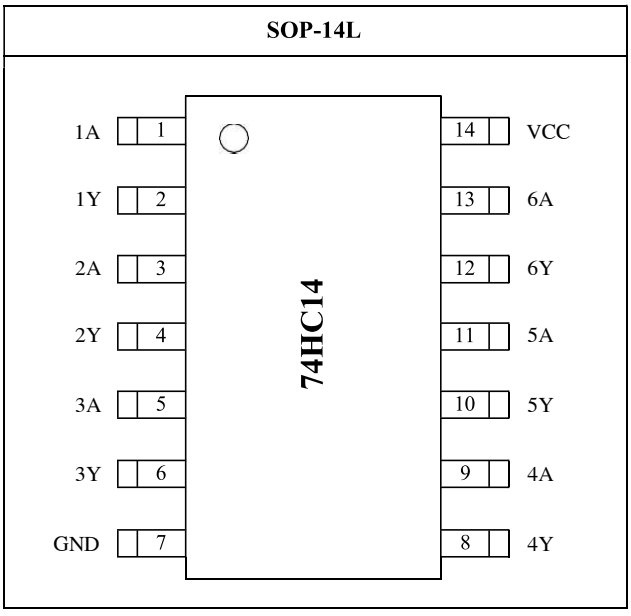
ORDERING INFORMATION

Device	Package
74HC14	SOP-14L

BLOCK DIAGRAM



PIN CONFIGURATION



PIN DESCRIPTION

Pin No. SOP-14L	Pin Name	Pin Function
1	1A	Input 1
2	1Y	Output 1
3	2A	Input 2
4	2Y	Output 2
5	3A	Input 3
6	3Y	Output 3
7	GND	Ground
8	4Y	Output 4
9	4A	Input 4
10	5Y	Output 5
11	5A	Input 5
12	6Y	Output 6
13	6A	Input 6
14	VCC	Power Supply

ORDERING INFORMATION

Part Number	Voltage Range	Features	Operating Temperature	Package Type	Top Mark	SPQ
74HC14S14	2.0V ~ 6.0V	● Hex Schmitt Trigger Inverters ● Up to 10 LSTTL Loads ● Typical tpd: 11ns ● I_{CC}: 20uA	-40°C to 85°C	SOP-14L	74HC14 YY WW X X	2500PCS/Reel

Note:

- 74HC14 devices are Pb-free and RoHs compliant.
- The surface prints of our semiconductor devices are subject to change during the production process and do not involve changes in electrical parameters, and we will not separately state the notice.
- If you have any other custom purchase needs, please contact our sales department.

ESD SENSITIVITY CAUTION

ESD damage can range from subtle performance degradation to complete device failure. Precision integrated circuits may be more susceptible to damage because very small parametric changes could cause the device not to meet its published specifications.

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▲ Update by Feb.2018