名称：SN74HC138N中文资料　　颖展电子元器件提供

官网：www.yzic88.com

制造商：德州仪器

产品类别：编码器,译码器,多路复用器、解复用器

RoHS：是的

品牌：德州仪器

产品：解码器/解复用器

逻辑家庭：HC

输入行数：3

输出行数：8

电源电压-马克斯：6 V

电源电压-分钟：2 V

最高工作温度：+ 85 C

安装方式：通过洞

包/例：PDIP-16

包装：管

最低工作温度：- 40度

在/的行数：3/8

工作温度范围：- 40 C + 85 C

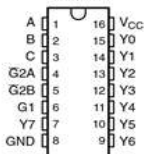工作电压：2 V 6 V

功耗：320兆瓦

系列：SN74HC138

工厂包装数量：25

单位重量：1 g

颖展电子

- **Targeted Specifically for High-Speed Memory Decoders and Data-Transmission Systems**
- **Wide Operating Voltage Range of 2 V to 6 V**
- **Outputs Can Drive Up To 10 LSTTL Loads**
- **Low Power Consumption, 80-μA Max I_{CC}**
- **Typical t_{pd} = 15 ns**
- **±4-mA Output Drive at 5 V**
- **Low Input Current of 1 μA Max**
- **Incorporate Three Enable Inputs to Simplify Cascading and/or Data Reception**

SN54HC138 . . . J OR W PACKAGE
SN74HC138 . . . D, DB, N, NS, OR PW PACKAGE
(TOP VIEW)

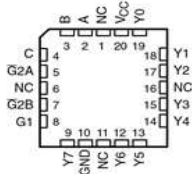|			
A	1	16	V_{CC}
B	2	15	Y0
C	3	14	Y1
G2A	4	13	Y2
G2B	5	12	Y3
G1	6	11	Y4
Y7	7	10	Y5
GND	8	9	Y6

description/ordering information

The 'HC138 devices are designed to be used in high-performance memory-decoding or data-routing applications requiring very short propagation delay times. In high-performance memory systems, these decoders can be used to minimize the effects of system decoding. When employed with high-speed memories utilizing a fast enable circuit, the delay times of these decoders and the enable time of the memory are usually less than the typical access time of the memory. This means that the effective system delay introduced by the decoders is negligible.

SN54HC138 . . . FK PACKAGE
(TOP VIEW)

C	4	18	Y1
G2A	5	17	Y2
NC	6	16	NC
G2B	7	15	Y3
G1	8	14	Y4

Top pins: B A NC V_{CC} Y0 (3 2 1 20 19)
Bottom pins: Y7 GND Y6 Y5 (9 10 11 12 13)

NC – No internal connection

ORDERING INFORMATION

T_A	PACKAGE†		ORDERABLE PART NUMBER	TOP-SIDE MARKING
–40°C to 85°C	PDIP – N	Tube of 25	SN74HC138N	SN74HC138N
	SOIC – D	Tube of 40	SN74HC138D	HC138
		Reel of 2500	SN74HC138DR	
		Reel of 250	SN74HC138DT	
	SOP – NS	Reel of 2000	SN74HC138NSR	HC138
	SSOP – DB	Reel of 2000	SN74HC138DBR	HC138
	TSSOP – PW	Tube of 90	SN74HC138PW	HC138
		Reel of 2000	SN74HC138PWR	
		Reel of 250	SN74HC138PWT	
–55°C to 125°C	CDIP – J	Tube of 25	SNJ54HC138J	SNJ54HC138J
	CFP – W	Tube of 150	SNJ54HC138W	SNJ54HC138W
	LCCC – FK	Tube of 55	SNJ54HC138FK	SNJ54HC138FK

† Package drawings, standard packing quantities, thermal data, symbolization, and PCB design guidelines are available at www.ti.com/sc/package.

Please be aware that an important notice concerning availability, standard warranty, and use in critical applications of Texas Instruments semiconductor products and disclaimers thereto appears at the end of this data sheet.

TEXAS INSTRUMENTS
POST OFFICE BOX 655303 ● DALLAS, TEXAS 75265