SN54HCT240, SN74HCT240
OCTAL BUFFERS AND LINE DRIVERS
WITH 3-STATE OUTPUTS
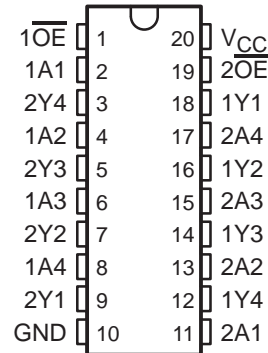
- **Operating Voltage Range of 4.5 V to 5.5 V**
- **High-Current Outputs Drive Up To 15 LSTTL Loads**
- **Low Power Consumption, 80-μA Max I_{CC}**
- **Typical t_{pd} = 12 ns**
- **$\pm$6-mA Output Drive at 5 V**
- **Low Input Current of 1 μA Max**
- **Inputs Are TTL-Voltage Compatible**
- **3-State Outputs Drive Bus Lines or Buffer Memory Address Registers**

SN54HCT240 . . . J OR W PACKAGE
SN74HCT240 . . . DW, N, NS, OR PW PACKAGE
(TOP VIEW)

1$\overline{OE}$	1	20	V_{CC}
1A1	2	19	2$\overline{OE}$
2Y4	3	18	1Y1
1A2	4	17	2A4
2Y3	5	16	1Y2
1A3	6	15	2A3
2Y2	7	14	1Y3
1A4	8	13	2A2
2Y1	9	12	1Y4
GND	10	11	2A1

SN54HCT240 . . . FK PACKAGE
(TOP VIEW)

Top row (pins 3, 2, 1, 20, 19): 2Y4, 1A1, 1$\overline{OE}$, V_{CC}, 2$\overline{OE}$

1A2	4	18	1Y1
2Y3	5	17	2A4
1A3	6	16	1Y2
2Y2	7	15	2A3
1A4	8	14	1Y3

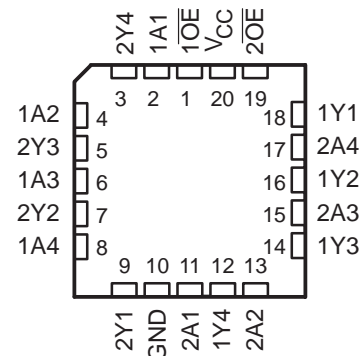Bottom row (pins 9, 10, 11, 12, 13): 2Y1, GND, 2A1, 1Y4, 2A2

description/ordering information

These octal buffers and line drivers are designed specifically to improve both the performance and density of 3-state memory address drivers, clock drivers, and bus-oriented receivers and transmitters. The 'HCT240 devices are organized as two 4-bit buffers/drivers with separate output-enable ($\overline{OE}$) inputs. When $\overline{OE}$ is low, the device passes inverted data from the A inputs to the Y outputs. When $\overline{OE}$ is high, the outputs are in the high-impedance state.

ORDERING INFORMATION

T_A	PACKAGE†		ORDERABLE PART NUMBER	TOP-SIDE MARKING
−40°C to 85°C	PDIP – N	Tube of 20	SN74HCT240N	SN74HCT240N
	SOIC – DW	Tube of 25	SN74HCT240DW	HCT240
		Reel of 2000	SN74HCT240DWR	
	SOP – NS	Reel of 2000	SN74HCT240NSR	HCT240
	TSSOP – PW	Tube of 70	SN74HCT240PW	HT240
		Reel of 2000	SN74HCT240PWR	
		Reel of 250	SN74HCT240PWT	
−55°C to 125°C	CDIP – J	Tube of 20	SNJ54HCT240J	SNJ54HCT240J
	CFP – W	Tube of 85	SNJ54HCT240W	SNJ54HCT240W
	LCCC – FK	Tube of 55	SNJ54HCT240FK	SNJ54HCT240FK

† 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