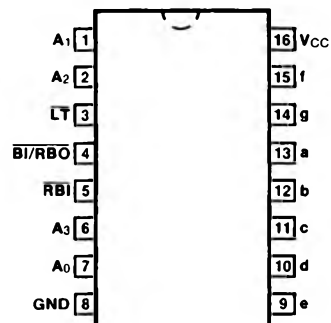


54LS/74LS248

BCD TO 7-SEGMENT DECODER

(With 2 kΩ Pull-up Resistors)

CONNECTION DIAGRAM PINOUT A

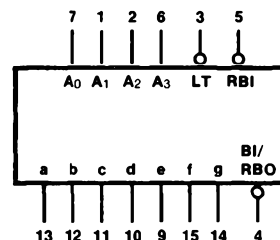


DESCRIPTION — The 'LS248 has active HIGH outputs with internal 2 kΩ pull-up resistors. It has the same electrical characteristics and pin connections as the 'LS48. The only difference is that the 'LS248 will light the top bar (segment a) for numeral 6 and the bottom bar (segment d) for numeral 9. For detailed description and specifications please refer to the 'LS48 data sheet.

ORDERING CODE: See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE	MILITARY GRADE	PKG TYPE
		V _{CC} = +5.0 V ±5%, T _A = 0°C to +70°C	V _{CC} = +5.0 V ±10%, T _A = -55°C to +125°C	
Plastic DIP (P)	A	74LS248PC		9B
Ceramic DIP (D)	A	74LS248DC	54LS248DM	6B
Flatpak (F)	A	74LS248FC	54LS248FM	4L

LOGIC SYMBOL



V_{CC} = Pin 16
GND = Pin 8

INPUT LOADING/FAN-OUT: See Section 3 for U.L. definitions

PIN NAMES	DESCRIPTION	54/74LS (U.L.) HIGH/LOW
A ₀ — A ₃	BCD Inputs	0.5/0.25
RBI	Ripple Blanking Input (Active LOW)	0.5/0.25
LT	Lamp Test Input (Active LOW)	0.5/0.25
BI/RBO	Blanking Input (Active LOW) or Ripple Blanking Output (Active LOW)	0.5/0.25 1.25/2.0 (1.0)
a — g	Segment Outputs (Active HIGH)	2.5/3.75 (1.25)