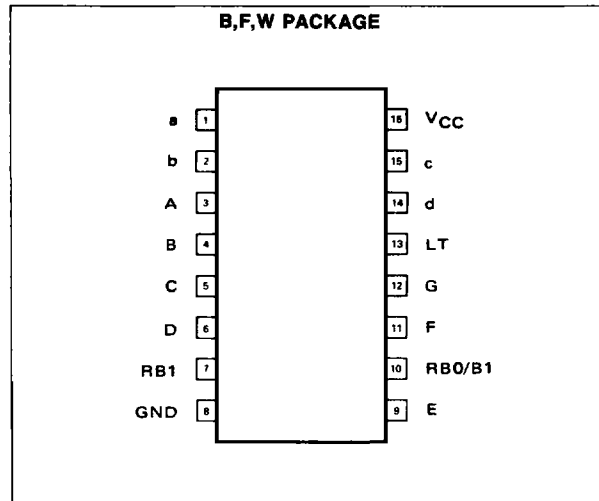
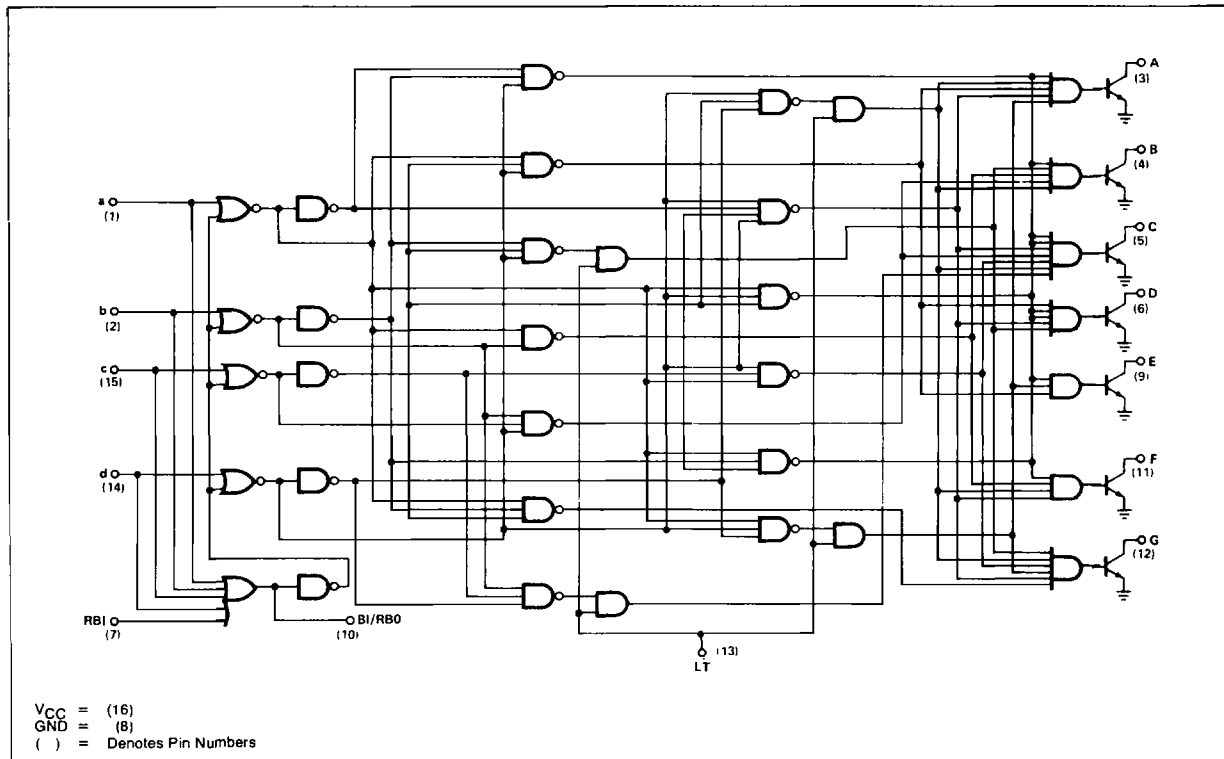
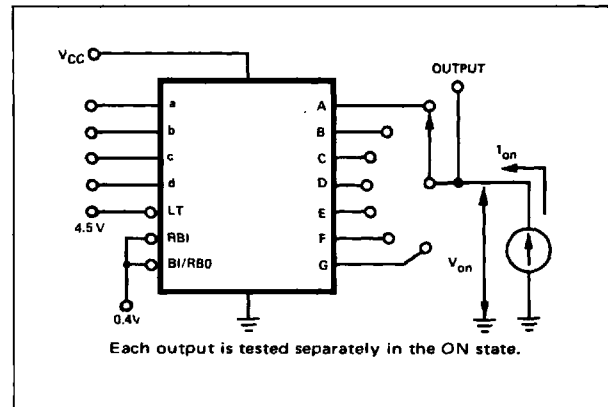


DESCRIPTION

The 8T06 is a monolithic MSI circuit consisting of the necessary logic to decode a 4-bit BCD code to drive 7-segment indicators directly. Open-collector outputs are used for high current source applications, such as driving common cathode LED displays and discrete active components. The 8T06 seven segment decoder/driver accepts a 4-bit binary code and decodes all possible inputs as decimals 0-9 or selected signs and letters. Auxiliary inputs are provided for maximum versatility. The ripple blanking inputs (RBI) and the ripple blanking output (RBO) may be used for automatic leading and/or trailing-edge zero suppression. The RBO output also acts as an overriding blanking input (BI) which may be used for intensity modulation or strobing of the display. A lamp test (LT) input is provided to check the integrity of the display by activating all outputs independent of the input code.

PIN CONFIGURATION**LOGIC DIAGRAM**

TEST FIGURE FOR "0" OUTPUT VOLTAGE



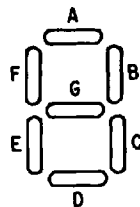
TRUTH TABLE

INPUTS				LAMP TEST LT	RBI	BI/RBO Note	OUTPUTS							DISPLAY CHARACTER			
INPUT CODE							OUTPUT STATE										
d	c	b	a				A	B	C	D	E	F	G				
X	X	X	X	0	X	X	1	1	1	1	1	1	1	1	0		
X	X	X	X	1	X	0 ^{1,2}	0	0	0	0	0	0	0	0	0	BLK	
0	0	0	0	1	0	0 ²	0	0	0	0	0	0	0	0	0	BLK	
0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	
0	0	0	1	1	X	1	0	1	1	0	0	0	0	0	0	0	
0	0	1	0	1	X	1	1	1	0	1	1	0	1	0	1	1	
0	0	1	1	1	X	1	1	1	1	1	0	0	0	1	1	1	
0	1	0	0	1	X	1	0	1	1	0	0	1	1	1	1	1	
0	1	0	1	1	X	1	1	0	1	1	0	1	1	1	1	1	
0	1	1	0	1	X	1	0	0	1	1	1	1	1	1	1	1	
0	1	1	1	1	X	1	1	1	1	0	0	0	0	0	0	0	
1	0	0	0	1	X	1	1	1	1	1	1	1	1	1	1	1	
1	0	0	1	1	X	1	1	1	1	1	0	0	1	1	1	1	
1	0	1	0	1	X	1	0	0	0	0	0	0	0	0	1	1	
1	0	1	1	1	X	1	0	0	0	0	0	0	0	0	0	0	
1	1	0	0	1	X	1	1	1	1	0	1	1	1	1	1	1	
1	1	0	1	1	X	1	0	0	1	0	0	0	0	0	0	0	
1	1	1	0	1	X	1	0	0	0	1	1	1	1	1	0	0	
1	1	1	1	1	X	1	0	0	0	0	0	0	0	0	0	0	BLK

X = Don't care, either "1" or "0".
BI/RBO is an internally wired OR output.

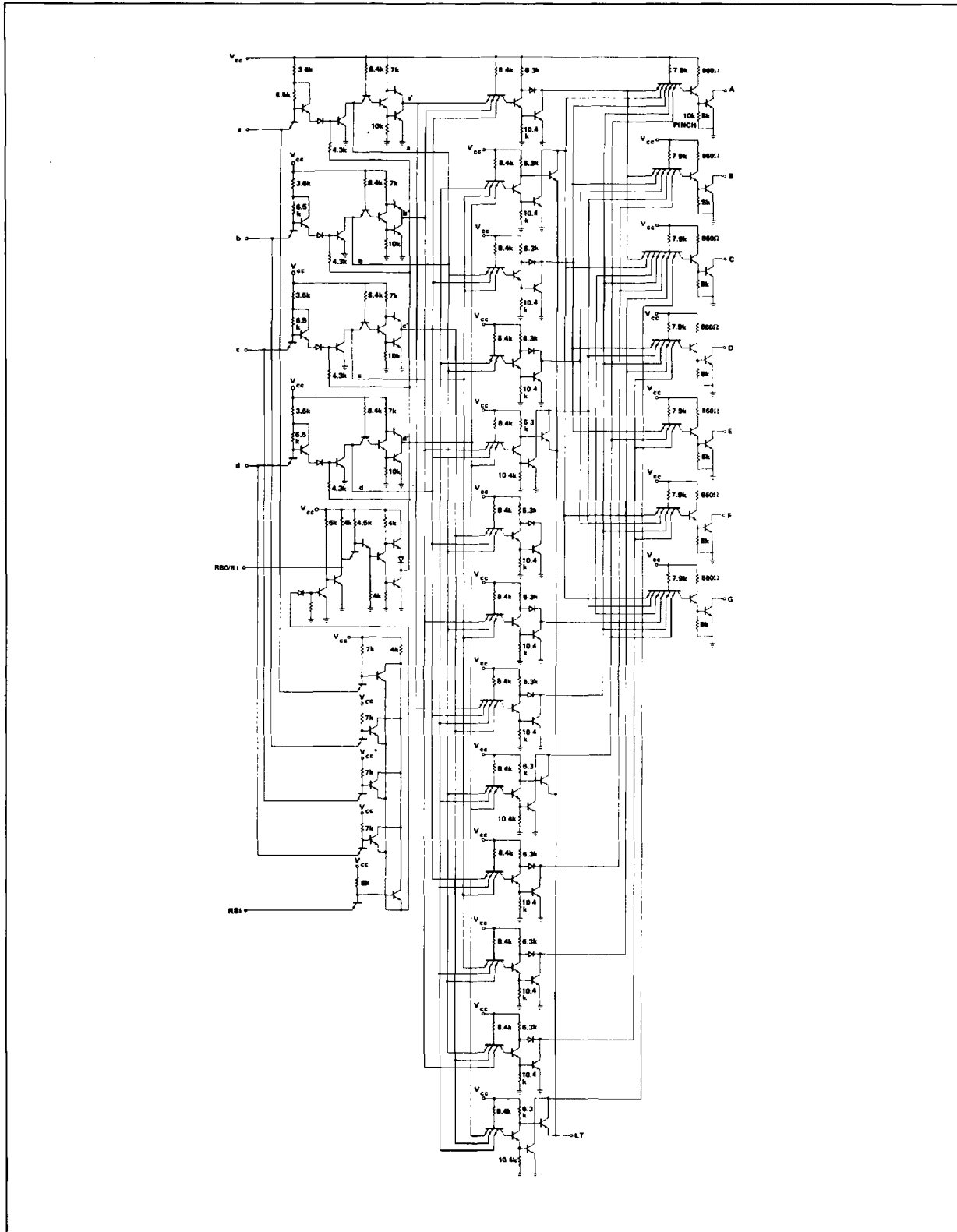
NOTE:

- BI/RBO used as input.
- BI/RBO should not be forced high when a,b,c,d, RBI terminals are low, or damage may occur to the unit.



* COMMA

SCHEMATIC DIAGRAM



INTERFACE