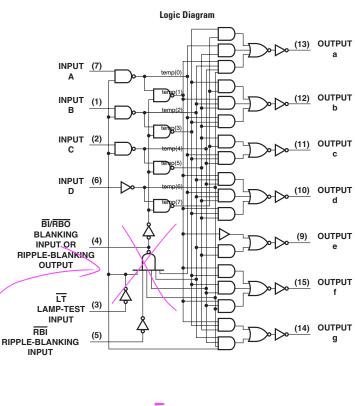
BCD-TO-SEVEN-SEGMENT DECODERS/DRIVERS

- Open-Collector Outputs
- Lamp-Test Provision
- Leading/Trailing Zero Suppression





FUNCTION TABLE

				ν										
No.	INPUTS 4						OUTPUTS							
	LT	RBI	Ъ	c	В	Á	BI/RBO ^T	а	b	С	d	е	f	g
0	Н	Н	L	L	L	L	Н	ON	ON	ON	ON	ON	ON	OFF
1	H	X	L	L	L	Н	H	OFF	ON	ON	OFF	OFF	OFF	OFF
2	H	X	L	L	Н	L	H	ON	ON	OFF	ON	ON	OFF	ON
3	H	Х	L	L	Н	Н	Н	ON	ON	ON	ON	OFF	OFF	ON
4	Н	X	L	Н	L	L	Н	OFF	ON	ON	OFF	OFF	ON	ON
5	H	Х	L	н	L	Н	H	ON	OFF	ON	ON	OFF	ON	ON
6	H	Х	L	н	Н	L	H	OFF	OFF	ON	ON	ON	ON	ON
7	Н	X	L	Н	Н	Н	Н	ON	ON	ON	OFF	OFF	OFF	OFF
8	Н	Х	Н	L	L	L	Н	ON						
9	H	Х	н	L	L	Н	H	ON	ON	ON	OFF	OFF	ON	ON
10	H	X	H	L	Н	L	H	OFF	OFF	OFF	ON	ON	OFF	ON
11	Н	Х	Н	L	Н	Н	H	OFF	OFF	ON	ON	OFF	OFF	ON
12	Н	Х	Н	Н	L	L	Н	OFF	ON	OFF	OFF	OFF	ON	ON
13	H	X	Н	Н	L	Н	H	ON	OFF	OFF	ON	OFF	ON	ON
14	H	Х	н	н	Н	L	H	OFF	OFF	OFF	ON	ON	ON	ON
15	H	Х	Н	Н	Н	Н	Н	OFF						
BI	\sim	Х	X	Х	Х	Х	L	OFF						
RBI	H	L	L	L	L	L	L	OFF						
LT /	r L	Х	X	X	X	X	H	ON						

- H = Jiigh level, L = low level, irrelevant

 NOTES: 1. The blanking input (Bi) must be open held at high logic level when output functions 0 through 15 are desired. The
 - ripple-blanking input (RBI) must be open or high it blanking of a decimal zero is not desired.

 When a low logic level is applied directly to the blanking input (BI), all segment outputs are off regardless of the level of any
 - 3. When ripple-blanking input (RBI) and inputs A, B, C, and D are at a low level with the lamp test input high, all segment outputs go off and the ripple-blanking input/ripple blanking output (BI/RBI) is open or held high and a low is applied to the lamp-test input, all segment outputs are on.
- † BI/RBO is wire AND logic serving as blanking input (BI) and/or ripple-blanking output (RBI).

ELECTRICAL CHARACTERISTICS AND RECOMMENDED OPERATING CONDITIONS

PARAMETER	MAX or MIN	TTL	LS	UNIT
Icc	MAX	103	13	mA
Іон	MAX	-0.2	-0.05	mA
lor	MAX	8	3.2	mΑ

TIMING REQUIREMENTS AND SWITCHING CHARACTERISTICS

PARAMETER	INPUT	ОИТРИТ	MAX or MIN	TTL	LS						
toff	A	A to g	MAX	100	100						
ton	A	A to g	MAX	100	100						
toff	RBI	A to g	MAX	100	100						
ton	RBI	A to g	MAX	100	100						

UNIT: ns

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