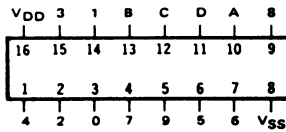
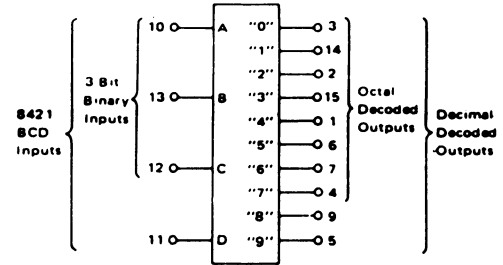


SCL4028B

BCD-TO-DECIMAL DECODER



BLOCK DIAGRAM



STATIC CHARACTERISTICS: ($V_{SS} = 0\text{ V}$)

PARAMETER	CONDITIONS	V_{DD} (Vdc)	T_{LOW}^* MIN	T_{LOW}^* MAX	+25°C TYP	MAX	T_{HIGH}^{**} MIN	T_{HIGH}^{**} MAX	UNIT
QUIESCENT DEVICE CURRENT I_{DD}	$V_{IN} = V_{SS}$ OR V_{DD}	5		5	0.05	5		150	μA_{dc}
		10		10	0.1	10		300	
		15		20	0.2	20		600	

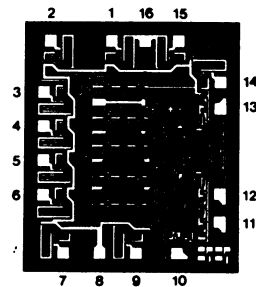
Note: $*T_{LOW} = -55^\circ\text{C}$ for C / H devices, -40°C for E / S devices, $**T_{HIGH} = +125^\circ\text{C}$ for C / H devices, $+85^\circ\text{C}$ for E / S devices.

DYNAMIC CHARACTERISTICS: ($C_L = 50\text{pF}$, $T_A = 25^\circ\text{C}$)

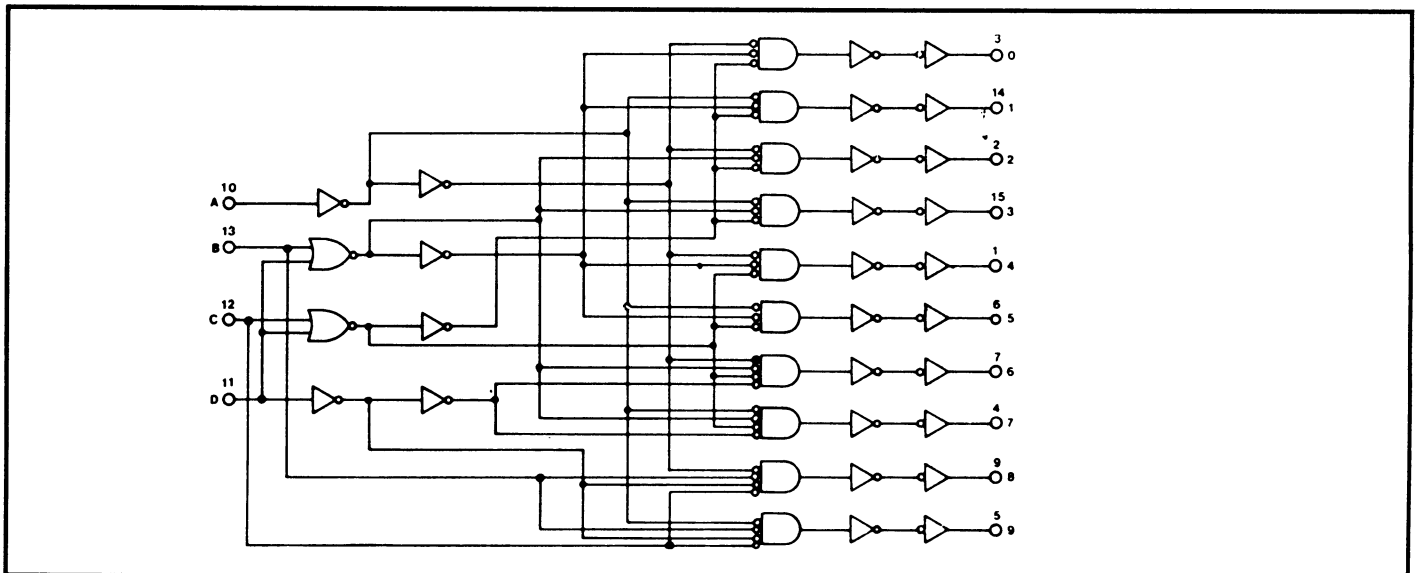
PARAMETER	V_{DD} Vdc	MINIMUM	TYPICAL	MAXIMUM	UNIT
PROPAGATION DELAY TIME t_{PLH} , t_{PHL}	5		150	300	ns
	10		60	120	
	15		50	100	
OUTPUT TRANSITION TIME t_{TLH} , t_{THL}	5		90	180	ns
	10		50	100	
	15		40	80	

DIE DRAWING

SCL4028B
66 x 78 mils



LOGIC DIAGRAM



Note: Refer to "SCL4000B SERIES FAMILY SPECIFICATIONS" for remaining Dynamic & Static Characteristics, and, for recommended and maximum operating conditions.