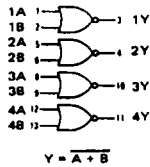
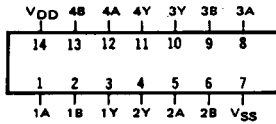


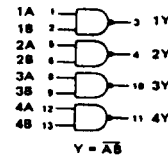
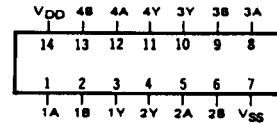
SCL4001UB

UNBUFFERED QUAD TWO INPUT NOR GATE



SCL4011UB

UNBUFFERED QUAD TWO INPUT NAND GATE



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

PARAMETER	CONDITIONS	V _{DD} (Vdc)	T _{LOW} *		+25°C			T _{HIGH} **		UNIT
			MIN	MAX	MIN	TYP	MAX	MIN	MAX	
QUIESCENT DEVICE CURRENT I _{DD}	V _{IN} = V _{SS} OR V _{DD}	5		0.05		0.0005	0.05		1.5	μAdc
		10		0.1		0.001	0.1		3.0	
		15		0.2		0.002	0.2		6.0	

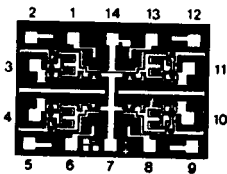
Note: *T_{LOW} = -55°C for C / H devices, -40°C for E / S devices, **T_{HIGH} = +125°C for C / H devices, +85°C for E / S devices.

DYNAMIC CHARACTERISTICS: (CL = 50pF, TA = 25°C)

PARAMETER	V _{DD} Vdc	MINIMUM	TYPICAL	MAXIMUM	UNIT
PROPAGATION DELAY TIME t _{PLH} , t _{PHL}	5		60	120	ns
	10		30	60	
	15		25	50	
OUTPUT TRANSITION TIME t _{TLH} , t _{THL}	5		100	200	ns
	10		50	100	
	15		40	80	

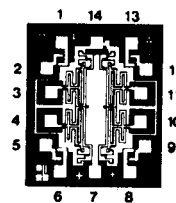
DIE DRAWING

SCL4001UB
62 x 44 mils



DIE DRAWING

SCL4011UB
43 x 52 mils



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