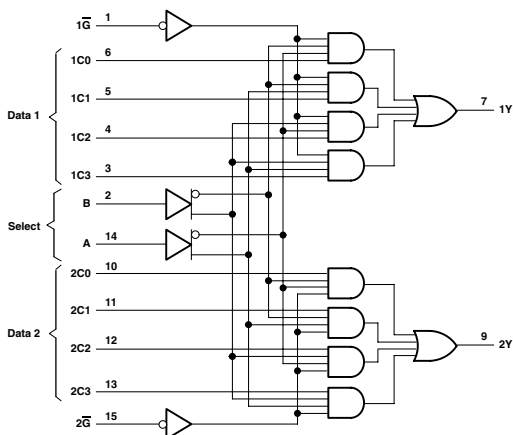
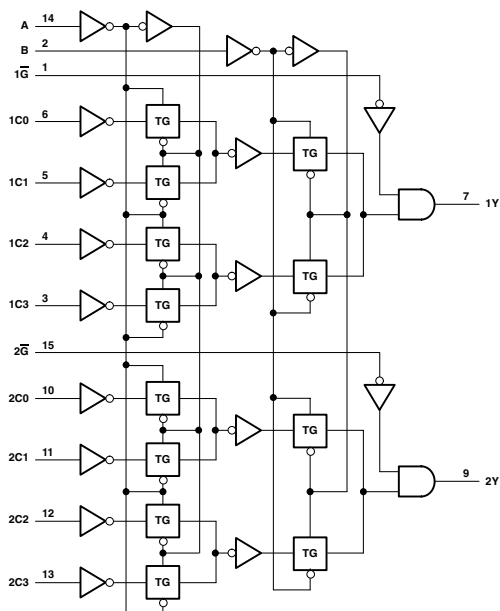


DUAL 4-LINE TO 1-LINE DATA SELECTORS/MULTIPLEXERS

Logic Diagram (SN74ALS, AS, F, LS)



Logic Diagram (SN74HC, HCT, CD74AC, ACT)



FUNCTION TABLE (SN74)

SELECT INPUTS		DATA INPUTS				STROBE	OUTPUTS
B	A	C0	C1	C2	C3	G	Y
X	X	X	X	X	X	H	L
L	L	L	X	X	X	L	L
L	L	H	X	X	X	L	H
L	H	X	L	X	X	L	L
L	H	X	H	X	X	L	H
H	L	X	X	L	X	L	L
H	L	X	X	H	X	L	H
H	H	X	X	X	L	L	L
H	H	X	X	X	H	L	H

ELECTRICAL CHARACTERISTICS AND RECOMMENDED OPERATING CONDITIONS

PARAMETER	MAX or MIN	TTL	LS	S	ALS	AS	F	SN74 HC	CD74 HC	CD74 HCT	CD74 AC	CD74 ACT	UNIT
I _{CC}	MAX	60	10	70	14	33	20	0.08	0.16	0.16	0.16	0.16	mA
I _{OH}	MAX	-0.8	-0.4	-1	-2.6	-15	-1	-6	-4	-4	-24	-24	mA
I _{OL}	MAX	16	8	20	24	48	20	6	4	4	24	24	mA

SWITCHING CHARACTERISTICS

PARAMETER	INPUT	OUTPUT	MAX or MIN	TTL	LS	S	ALS	AS	F	SN74 HC	CD74 HC	CD74 HCT
t _{PLH}	DATA	Y	MAX	18	15	9	10	7	8	35	44	51
t _{PHL}			MAX	23	26	9	15	8	7.5	35	44	51
t _{PLH}	SELECT	Y	MAX	34	29	18	21	12.5	12	38	48	51
t _{PHL}			MAX	34	38	18	21	11	10.5	38	48	51
t _{PLH}	STROBE	Y	MAX	30	24	15	18	11.5	10.5	24	36	41
t _{PHL}			MAX	23	32	13.5	18	9	8	24	36	41

PARAMETER	INPUT	OUTPUT	MAX or MIN	CD74 AC	CD74 ACT
t _{PLH}	DATA	Y	MAX	13.3	18
t _{PHL}			MAX	13.3	18
t _{PLH}	SELECT	Y	MAX	20	22
t _{PHL}			MAX	20	22
t _{PLH}	STROBE	Y	MAX	11.8	12.6
t _{PHL}			MAX	11.8	12.6

UNIT: ns