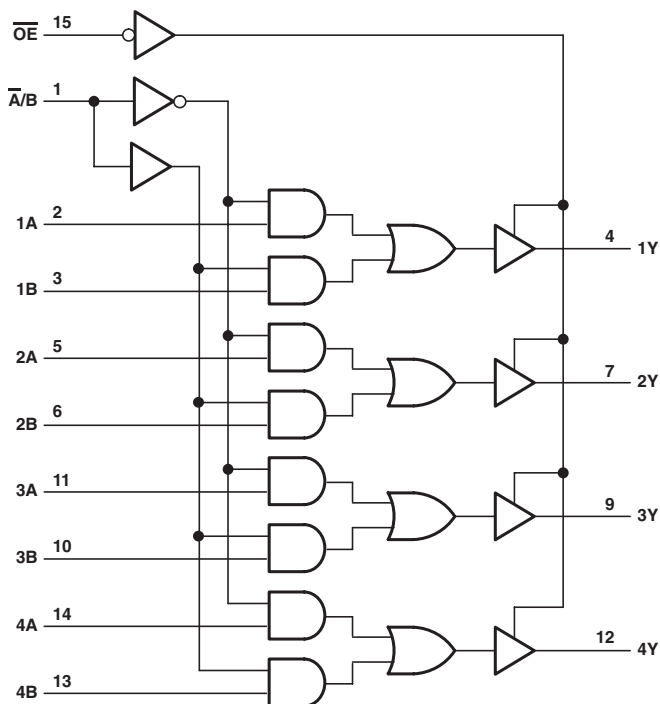


QUADRUPLE 2-LINE TO 1-LINE DATA SELECTORS/MULTIPLEXERS WITH 3-STATE OUTPUTS

- 3-State Outputs Interface Directly with System Bus
- Provides Bus Interface from Multiple Sources in High-Performance Systems

Logic Diagram (SN74)



FUNCTION TABLE (SN74)

OUTPUT CONTROL OE	INPUTS			OUTPUT Y
	SELECT A/B	A	B	
H	X	X	X	Z
L	L	L	X	L
L	L	H	X	L
L	H	X	L	H
L	H	X	H	H

ELECTRICAL CHARACTERISTICS AND RECOMMENDED OPERATING CONDITIONS

PARAMETER	MAX or MIN	LS	S	ALS	AS	F	SN74 HC	CD74 HC	SN74 HCT	CD74 HCT	AC 11	CD74 AC	ACT 11	UNIT
I _{CC}	MAX	19	87	14	31.9	23	0.08	0.16	0.08	0.16	0.08	0.16	0.08	mA
I _{OH}	MAX	-2.6	-6.5	-2.6	-15	-3	-6	-6	-6	-6	-24	-24	-24	mA
I _{OL}	MAX	24	20	24	48	24	6	6	6	6	24	24	24	mA

PARAMETER	MAX or MIN	CD74 ACT	LVC 3V	UNIT
I _{CC}	MAX	0.16	0.01	mA
I _{OH}	MAX	-24	-24	mA
I _{OL}	MAX	24	24	mA

SWITCHING CHARACTERISTICS

PARAMETER	INPUT	OUTPUT	MAX or MIN	LS	S	ALS	AS	F	SN74 HC	CD74 HC	SN74 HCT	CD74 HCT
t _{PLH}	DATA	ANY	MAX	13	7.5	10	5.5	7	25	45	38	50
t _{PHL}				15	6.5	12	6	6.5	25	45	38	50
t _{PLH}	SELECT	ANY	MAX	21	15	18	11	15	25	53	38	57
t _{PHL}				24	15	22	10	9.5	25	53	38	57
t _{PZH}	\overline{OE}	Y	MAX	30	19.5	16	7.5	8.5	38	45	38	45
t _{PZL}				30	21	18	9.5	8.5	38	45	38	45
t _{PHZ}	\overline{OE}	Y	MAX	30	8.5	10	6.5	7	38	45	38	45
t _{PLZ}				25	14	15	7	7	38	45	38	45

PARAMETER	INPUT	OUTPUT	MAX or MIN	AC 11	CD74 AC	ACT 11	CD74 ACT	LVC 3V
t _{PLH}	DATA	ANY	MAX	6.4	9.3	6.9	10.7	4.6
t _{PHL}				7.2	9.3	8.7	10.7	4.6
t _{PLH}	SELECT	ANY	MAX	7.2	13.4	8.2	15.4	6.4
t _{PHL}				7.9	13.4	9.4	15.4	6.4
t _{PZH}	\overline{OE}	Y	MAX	6.5	14.7	7.3	16.1	5.6
t _{PZL}				8.6	14.7	9.6	16.1	5.6
t _{PHZ}	\overline{OE}	Y	MAX	7.6	14.7	8.4	16.1	4.3
t _{PLZ}				7.6	14.7	8.5	16.1	4.3

UNIT: ns