

54LS/74LS258A

QUAD 2-INPUT MULTIPLEXER

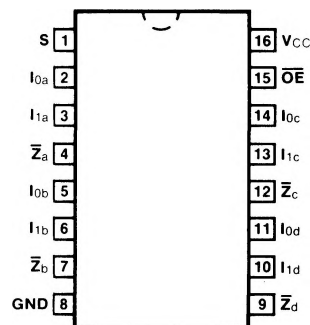
(With 3-State Outputs)

DESCRIPTION — The '258A is the same as the '258, except that the output drive capability is increased as indicated in the tables below. The ac test limits are the same as the '258 but with the test load changed to 667 Ω and 45 pF, except for the Output Disable Time tests, whose load is 667 Ω and 5 pF. For all other information please refer to the '258 data sheet.

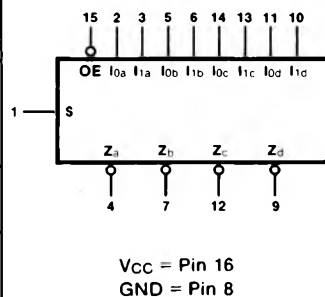
ORDERING CODE: See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE	MILITARY GRADE	PKG TYPE
		$V_{CC} = +5.0 \text{ V} \pm 5\%$, $T_A = 0^\circ \text{ C to } +70^\circ \text{ C}$	$V_{CC} = +5.0 \text{ V} \pm 10\%$, $T_A = -55^\circ \text{ C to } +125^\circ \text{ C}$	
Plastic DIP (P)	A	74LS258APC		9B
Ceramic DIP (D)	A	74LS258ADC	54LS258ADM	6B
Flatpak (F)	A	74LS258AFC	54LS258AFM	4L

CONNECTION DIAGRAM
PINOUT A



LOGIC SYMBOL



INPUT LOADING/FAN-OUT: See Section 3 for U.L. definitions

PIN NAMES	DESCRIPTION	54/74LS (U.L.) HIGH/LOW
\bar{Z}_n	Inverting 3-State Outputs	65/15 (25)/(7.5)

DC CHARACTERISTICS OVER OPERATING TEMPERATURE RANGE (unless otherwise specified)

SYMBOL	PARAMETER	54/74LS		UNITS	CONDITIONS	
		Min	Max			
VOL	Output LOW Voltage	XM, XC	0.4	V	$I_{OL} = 12 \text{ mA}$	$V_{CC} = \text{Min}$
		XC	0.5		$I_{OL} = 24 \text{ mA}$	
Ios	Output Short Circuit Current	-30	-130	mA	$V_{CC} = \text{Max}$	