



DS9643/ μ A9643 Dual TTL to MOS/CCD Driver

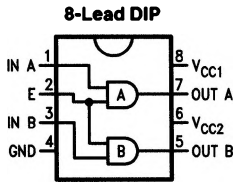
General Description

The DS9643/ μ A9643 is a dual positive logic "AND" TTL-to-MOS driver. The DS9643/ μ A9643 is a functional replacement for the SN75322 with one important exception: the two external PNP transistors are no longer needed for operation. The DS9643/ μ A9643 is also a functional replacement for the 75363 with the important exception that the V_{CC3} supply is not needed. The lead connections normally used for the external PNP transistors are purposely not internally connected to the DS9643/ μ A9643.

Features

- Satisfies CCD memory and delay line requirements
- Dual positive logic TTL to MOS driver
- Operates from standard bipolar and MOS supply voltages
- High speed switching
- TTL and DTL compatible inputs
- Separate drivers address inputs with common strobe
- V_{OH} and V_{OL} compatible with popular MOS RAMs
- Does not require external PNP transistors or V_{CC3}
- V_{OH} minimum is $V_{CC2} - 0.5V$

Connection Diagram



Top View

TL/F/9646-1

Order Number DS9643TC/ μ A9643TC
See NS Package Number N08E

Truth Table

Input	Enable	Output
L	L	L
L	H	L
H	L	L
H	H	H