


Trans Darlington NPN 50V 0.5A 16-Pin SOIC T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP16
Product Type:	Thyristors
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The ULN2003B device is a high-voltage, high-current Darlington transistor array. This device consists of seven NPN Darlington pairs that feature high-voltage outputs with common-cathode clamp diodes for switching inductive loads. The collector-current rating of a single Darlington pair is 500 mA. The Darlington pairs can be paralleled for higher current capability.

The ULN2003B has a 2.7-kΩ series base resistor for each Darlington pair for operation directly with TTL or CMOS devices.

Key Features

Greater Than 4x Reduction in Output Leakage (ICEX) over ULN2003A

500-mA Rated Collector Current (Single Output)

High-Voltage Outputs 50 V

Output Clamp Diodes

Inputs Compatible With Various Types of Logic

Relay-Driver Applications

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Recommended For You

ULN2004ADR

Texas Instruments, Inc
SOP16

ULQ2003AD

Texas Instruments, Inc
SOP16

ULN2003ADRG3

Texas Instruments, Inc
SOP16

ULN2003AIN

Texas Instruments, Inc
DIP16

ULQ2003AQDRQ1

Texas Instruments, Inc
SOP16

ULN2003ANE4

Texas Instruments, Inc
PDIP-16

ULN2003AID

Texas Instruments, Inc
SOP16

ULN2004AD

Texas Instruments, Inc
SOP-16

ULN2002AN

Texas Instruments, Inc
DIP

ULN2003AD

Texas Instruments, Inc
SOP

ULQ2003ATPWRQ1

Texas Instruments, Inc
TSSOP16

ULQ2003ATDRQ1

Texas Instruments, Inc
SOP16

ULQ2004ATDRG4Q1

Texas Instruments, Inc
SOP16

ULN2004AID

Texas Instruments, Inc
SOP-16

ULN2004ADRG4

Texas Instruments, Inc
SOP16