


Op Amp Single Low Noise Amplifier R-R I/O $\pm 20V/40V$ T/R

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| Manufacturer: | Texas Instruments, Inc |
| Package/Case: | SC70-5 |
| Product Type: | Amplifier ICs |
| RoHS: | RoHS Compliant/Lead free  |
| Lifecycle: | Active |



Images are for reference only

[Inquiry](#)

General Description

The CD74HC138 is a high-speed silicon-gate CMOS decoder well suited to memory address decoding or data routing applications. This circuit features low power consumption usually associated with CMOS circuitry, yet has speeds comparable to low-power Schottky TTL logic. The circuit has three binary select inputs (A0, A1, and A2). If the device is enabled, these inputs determine which one of the eight normally high outputs of the HC138 will go low. Two active-low and one active-high enables (E1, E2, and E3) are provided to ease the cascading of decoders. The decoder's eight outputs can drive ten low-power Schottky TTL equivalent loads.

Key Features

- Qualified for Automotive Applications
- Select One of Eight Data Outputs Active Low
- I/O Port or Memory Selector
- Three Enable Inputs to Simplify Cascading
- Typical Propagation Delay of 13 ns at VCC = 5 V, CL = 15 pF, TA = 25°C
- Fanout (Over Temperature Range)
- Standard Outputs . . . 10 LSTTL Loads
- Bus Driver Outputs . . . 15 LSTTL Loads
- Balanced Propagation Delay and Transition Times
- Significant Power Reduction Compared to LSTTL Logic ICs
- 2-V to 6-V VCC Operation
- High Noise Immunity; NIL or NIH = 30% of VCC, VCC = 5 V

Recommended For You

OPA445BM

Texas Instruments, Inc
CAN

OPA1611AIDR

Texas Instruments, Inc
SOP8

OPA388QDBVRQ1

Texas Instruments, Inc
SOT23-5

OPA2365AQDRQ1

Texas Instruments, Inc
SOP8

OPA334AIDBVR

Texas Instruments, Inc
SOT23-6

OPA2835IDGSR

Texas Instruments, Inc
MSOP10

OPA656U

Texas Instruments, Inc
SOP8

OPA360AIDCKR

Texas Instruments, Inc
SC70-6

LMI11H/NOPB

Texas Instruments, Inc
CAN8

OPA353UA

Texas Instruments, Inc
SOP8

LMI3700MX/NOPB

Texas Instruments, Inc
SOP16

OPA633KP

Texas Instruments, Inc
DIP8

OPA453FAKTWT

Texas Instruments, Inc
TO263-7

OPA4251UA

Texas Instruments, Inc
SOP14

LMV321M5X/NOPB

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SOT23-5