

## Product Overview

### 74ACT541: Octal Buffer/Line Driver with 3-STATE Outputs

For complete documentation, see the data sheet.

The 74AC541 and 74ACT541 are octal buffer/line drivers designed to be employed as memory and address drivers, clock drivers and bus oriented transmitter/receivers. These devices are similar in function to the 74AC244 and 74ACTC244 while providing flow-through architecture (inputs on opposite side from outputs). This pinout arrangement makes these devices especially useful as an output port for microprocessors, allowing ease of layout and greater PC board density.

### Features

- $I_{CC}$  and  $I_{OZ}$  reduced by 50%
- 3-STATE outputs
- Inputs and outputs opposite side of package, allowing easier interface to microprocessors
- Output source/sink 24 mA
- 74AC541 is a non-inverting option of the 74AC540
- 74ACT541 has TTL-compatible inputs

### Applications

- This product is general usage and suitable for many different applications.

### Part Electrical Specifications

| Product      | Compliance  | Status | Channels | Output  | $V_{CC}$ Min (V) | $V_{CC}$ Max (V) | $t_{pd}$ Max (ns) | $I_O$ Max (mA) | Package Type |
|--------------|-------------|--------|----------|---------|------------------|------------------|-------------------|----------------|--------------|
| 74ACT541MTC  | Pb-free     | Active | 8        | 3-State | 4.5              | 5.5              | 5.5               | 24             | TSSOP-20     |
| 74ACT541MTCX | Pb-free     | Active | 8        | 3-State | 4.5              | 5.5              | 5.5               | 24             | TSSOP-20     |
| 74ACT541SC   | Pb-free     | Active | 8        | 3-State | 4.5              | 5.5              | 5.5               | 24             | SOIC-20W     |
|              | Halide free |        |          |         |                  |                  |                   |                |              |
| 74ACT541SCX  | Pb-free     | Active | 8        | 3-State | 4.5              | 5.5              | 5.5               | 24             | SOIC-20W     |
|              | Halide free |        |          |         |                  |                  |                   |                |              |

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