SN54ACT373 . . . J OR W PACKAGE SN74ACT373 . . . DB, DW, N, NS, OR PW PACKAGE

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- 4.5-V to 5.5-V V_{CC} Operation
- Inputs Accept Voltages to 5.5 V
- Max t_{pd} of 10 ns at 5 V
- Inputs Are TTL-Voltage Compatible

description/ordering information

These 8-bit latches feature 3-state outputs designed specifically for driving highly capacitive or relatively low-impedance loads. The devices are particularly suitable for implementing buffer registers, I/O ports, bidirectional bus drivers, and working registers.

The eight latches are D-type transparent latches. When the latch-enable (LE) input is high, the Q outputs follow the data (D) inputs. When LE is taken low, the Q outputs are latched at the logic levels set up at the D inputs.

A buffered output-enable (\overline{OE}) input can be used to place the eight outputs in either a normal logic state (high or low logic levels) or the high-impedance state. In the high-impedance state, the outputs neither load nor drive the bus lines significantly. The high-impedance state and increased drive provide the capability to drive bus lines in bus-organized systems without need for interface or pullup components.

SN54ACT373 ... FK PACKAGE (TOP VIEW)

| | () | |
|----------------------------|--|---------------------------------------|
| | 0 0 0 0 0 0 0 0 0 0 0 8 0 0 0 0 0 0 0 0 | |
| | | |
| | 3 2 1 20 19 | |
| 2D | | 3 🛛 8 D |
| 2D 2Q 3Q 3D 4D | | 7 [7D |
| 3Q | | 6000000000000000000000000000000000000 |
| ~ ~ | | H |
| 3D | | 500 |
| 4D | | |
| | 7 9 10 11 12 13 | |
| | | |
| | | _ |
| | Q 더 귀 C 더 | |
| | 1 <u>6</u> – 0 0 | |

OE does not affect the internal operations of the latches. Old data can be retained or new data can be entered while the outputs are in the high-impedance state.

To ensure the high-impedance state during power up or power down, \overline{OE} should be tied to V_{CC} through a pullup resistor; the minimum value of the resistor is determined by the current-sinking capability of the driver.

| Τ _Α | PACKAC | PACKAGET | | TOP-SIDE MARKING |
|----------------|------------|---------------|---------------|---------------------|
| | PDIP – N | Tube | SN74ACT373N | SN74ACT373N |
| | SOIC - DW | Tube | SN74ACT373DW | ACT373 |
| –40°C to 85°C | 50IC - DW | Tape and reel | SN74ACT373DWR | AC1373 |
| -40 C 10 85 C | SOP – NS | Tape and reel | SN74ACT373NSR | ACT373 |
| | SSOP – DB | Tape and reel | SN74ACT373DBR | AD373 |
| | TSSOP – PW | Tape and reel | SN74ACT373PWR | AD373 |
| | CDIP – J | Tube | SNJ54ACT373J | SNJ54ACT373J |
| –55°C to 125°C | CFP – W | Tube | SNJ54ACT373W | SNJ54ACT373W |
| | LCCC – FK | Tube | SNJ54ACT373FK | SNJ54ACT373FK |

ORDERING INFORMATION

[†] Package drawings, standard packing quantities, thermal data, symbolization, and PCB design guidelines are available at www.ti.com/sc/package.



Please be aware that an important notice concerning availability, standard warranty, and use in critical applications of Texas Instruments semiconductor products and disclaimers thereto appears at the end of this data sheet.

PRODUCTION DATA information is current as of publication date. Products conform to specifications per the terms of Texas Instruments standard warranty. Production processing does not necessarily include testing of all parameters.

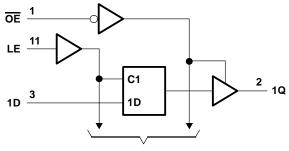


Copyright © 2002, Texas Instruments Incorporated On products compliant to MIL-PRF-38535, all parameters are tested unless otherwise noted. On all other products, production processing does not necessarily include testing of all parameters.

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| FUNCTION TABLE (each latch) | | | | | | | | | | | |
|--------------------------------|--------|---|----------------|--|--|--|--|--|--|--|--|
| | INPUTS | | OUTPUT | | | | | | | | |
| OE | LE | D | Q | | | | | | | | |
| L | Н | Н | Н | | | | | | | | |
| L | Н | L | L | | | | | | | | |
| L | L | Х | Q ₀ | | | | | | | | |
| Н | Х | Х | Z | | | | | | | | |

logic diagram (positive logic)



To Seven Other Channels

absolute maximum ratings over operating free-air temperature range (unless otherwise noted)[†]

| Supply voltage range, V _{CC} | | |
|---|--------------|----------------|
| Input voltage range, V _I (see Note 1) | | 00 |
| Output voltage range, V _O (see Note 1) | | |
| Input clamp current, I_{IK} ($V_I < 0$ or $V_I > V_{CC}$). | | ±20 mA |
| Output clamp current, I_{OK} (V _O < 0 or V _O > V _C | C) | ±20 mA |
| Continuous output current, $I_O (V_O = 0 \text{ to } V_{CC})$ | -, | ±50 mA |
| Continuous current through V _{CC} or GND | | ±200 mA |
| Package thermal impedance, θ_{JA} (see Note 2) | : DB package | 70°C/W |
| | DW package | 58°C/W |
| | N package | 69°C/W |
| | NS package | 60°C/W |
| | PW package | 83°C/W |
| Storage temperature range, T _{stg} | | –65°C to 150°C |

[†] Stresses beyond those listed under "absolute maximum ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated under "recommended operating conditions" is not implied. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability.

NOTES: 1. The input and output voltage ratings may be exceeded if the input and output current ratings are observed.

2. The package thermal impedance is calculated in accordance with JESD 51-7.



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recommended operating conditions (see Note 3)

| | | SN54A | СТ373 | SN74A | UNIT | |
|---------------------|------------------------------------|-------|-------|-------|------|------|
| | | MIN | MAX | MIN | MAX | UNIT |
| VCC | Supply voltage | 4.5 | 5.5 | 4.5 | 5.5 | V |
| VIH | High-level input voltage | 2 | | 2 | | V |
| VIL | Low-level input voltage | | 0.8 | | 0.8 | V |
| VI | Input voltage | 0 | VCC | 0 | VCC | V |
| Vo | Output voltage | 0 | VCC | 0 | VCC | V |
| ЮН | High-level output current | | -24 | | -24 | mA |
| IOL | Low-level output current | | 24 | | 24 | mA |
| $\Delta t/\Delta v$ | Input transition rise or fall rate | | 8 | | 8 | ns/V |
| Τ _Α | Operating free-air temperature | -55 | 125 | -40 | 85 | °C |

NOTE 3: All unused inputs of the device must be held at V_{CC} or GND to ensure proper device operation. Refer to the TI application report *Implications of Slow or Floating CMOS Inputs*, literature number SCBA004.

electrical characteristics over recommended operating free-air temperature range (unless otherwise noted)

| DADAMETED | TEST CONDITIONS | N | Т | ₄ = 25°C | ; | SN54A | CT373 | SN74A | CT373 | |
|-----------------|---|-------|------|-----------------|-------|-------|-------|-------|-------|------|
| PARAMETER | TEST CONDITIONS | Vcc | MIN | TYP | MAX | MIN | MAX | MIN | MAX | UNIT |
| | 1 | 4.5 V | 4.4 | 4.49 | | 4.4 | | 4.4 | | |
| | I _{OH} = -50 μA | 5.5 V | 5.4 | 5.49 | | 5.4 | | 5.4 | | |
| Mari | 1011 - 24 mA | 4.5 V | 3.86 | | | 3.7 | | 3.76 | | V |
| VOH | I _{OH} = -24 mA | 5.5 V | 4.86 | | | 4.7 | | 4.76 | | v |
| | $I_{OH} = -50 \text{ mA}^{\dagger}$ | 5.5 V | | | | 3.85 | | | | |
| | $I_{OH} = -75 \text{ mA}^{\dagger}$ | 5.5 V | | | | | | 3.85 | | |
| | I _{OL} = 50 μA | 4.5 V | | | 0.1 | | 0.1 | | 0.1 | |
| | ΙΟΓ = 30 μΑ | 5.5 V | | | 0.1 | | 0.1 | | 0.1 | |
| Ve | lat = 24 mA | 4.5 V | | | 0.36 | | 0.44 | | 0.44 | V |
| VOL | I _{OL} = 24 mA | 5.5 V | | | 0.36 | | 0.44 | | 0.44 | v |
| | $I_{OL} = 50 \text{ mA}^{\dagger}$ | 5.5 V | | | | | 1.65 | | | |
| | $I_{OL} = 75 \text{ mA}^{\dagger}$ | 5.5 V | | | | | | | 1.65 | |
| I _{OZ} | $V_{O} = V_{CC}$ or GND | 5.5 V | | | ±0.25 | | ±5 | | ±2.5 | μA |
| lj | $V_I = V_{CC}$ or GND | 5.5 V | | | ±0.1 | | ±1 | | ±1 | μA |
| ICC | $V_{I} = V_{CC}$ or GND, $I_{O} = 0$ | 5.5 V | | | 4 | | 80 | | 40 | μA |
| ∆ICC‡ | One input at 3.4 V, Other inputs at GND or V _{CC} | 5.5 V | | 0.6 | | | 1.5 | | 1.5 | mA |
| Ci | $V_I = V_{CC}$ or GND | 5 V | | 4.5 | | | | | | pF |

[†] Not more than one output should be tested at a time, and the duration of the test should not exceed 2 ms.

[‡]This is the increase in supply current for each input that is at one of the specified TTL voltage levels, rather than 0 V or V_{CC}.

timing requirements over recommended operating free-air temperature range, V_{CC} = 5 V \pm 0.5 V (unless otherwise noted) (see Figure 1)

| | | T _A = 25°C | | SN54ACT373 | | SN74ACT373 | | UNIT |
|-----------------|---|-----------------------|-----|------------|-----|------------|-----|------|
| | | MIN | MAX | MIN | MAX | MIN | MAX | |
| tw | Pulse duration, LE high | 7 | | 8.5 | | 8 | | ns |
| t _{su} | Setup time, data before LE \downarrow | 7 | | 8.5 | | 8 | | ns |
| th | Hold time, data after LE \downarrow | 0 | | 1 | | 1 | | ns |



SN54ACT373, SN74ACT373 **OCTAL D-TYPE TRANSPARENT LATCHES** WITH 3-STATE OUTPUTS SCAS544E – OCTOBER 1995 – REVISED OCTOBER 2002

switching characteristics over recommended operating free-air temperature range, V_{CC} = 5 V \pm 0.5 V (unless otherwise noted) (see Figure 1)

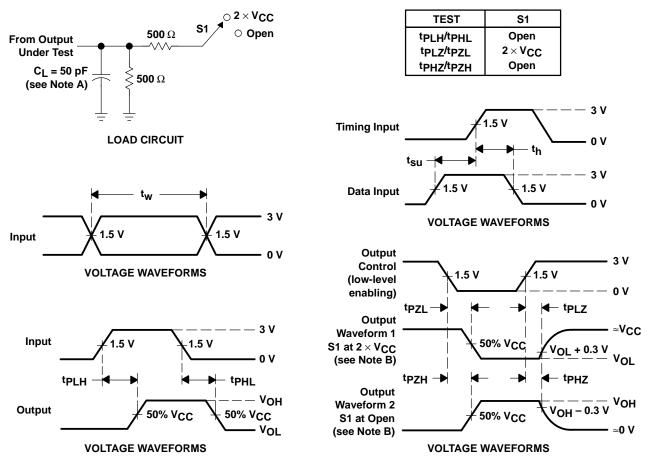
| PARAMETER | FROM | то | TO T _A = 25°C | | SN54ACT373 | | SN74ACT373 | | UNIT | |
|------------------|---------|----------|--------------------------|-----|------------|-----|------------|-----|------|------|
| PARAMETER | (INPUT) | (OUTPUT) | MIN | TYP | MAX | MIN | MAX | MIN | MAX | UNIT |
| ^t PLH | D | Q | 2.5 | 8.5 | 10 | 1.5 | 12.5 | 1.5 | 11.5 | ns |
| ^t PHL | D | ý | 2 | 8 | 10 | 1.5 | 12.5 | 1.5 | 11.5 | 115 |
| ^t PLH | LE | Q | 2.5 | 8.5 | 11 | 1.5 | 12.5 | 2 | 11.5 | ns |
| ^t PHL | LL | ý | 2 | 8 | 10 | 1.5 | 11.5 | 1.5 | 11.5 | 115 |
| ^t PZH | OE | Q | 2 | 8 | 9.5 | 1.5 | 11.5 | 1.5 | 10.5 | ns |
| ^t PZL | OE | ý | 2 | 7.5 | 9 | 1.5 | 11 | 1.5 | 10.5 | 115 |
| ^t PHZ | ŌĒ | Q | 2.5 | 9 | 11 | 1.5 | 14 | 2.5 | 12.5 | ns |
| ^t PLZ | UE UE | ý | 1.5 | 7.5 | 8.5 | 1.5 | 11 | 1 | 10 | 115 |

operating characteristics, V_{CC} = 5 V, T_A = 25° C

| PARAMETER | TEST CONDITIONS | TYP | UNIT |
|---|---|-----|------|
| C _{pd} Power dissipation capacitance | $C_L = 50 \text{ pF}, f = 1 \text{ MHz}$ | 40 | pF |



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PARAMETER MEASUREMENT INFORMATION

- NOTES: A. CL includes probe and jig capacitance.
 - B. Waveform 1 is for an output with internal conditions such that the output is low except when disabled by the output control. Waveform 2 is for an output with internal conditions such that the output is high except when disabled by the output control.
 - C. All input pulses are supplied by generators having the following characteristics: $PRR \le 1$ MHz, $Z_Q = 50 \Omega$, $t_f \le 2.5$ ns, $t_f \le 2.5$ ns.
 - D. The outputs are measured one at a time with one input transition per measurement.

Figure 1. Load Circuit and Voltage Waveforms



9-Oct-2007

PACKAGING INFORMATION

| S982-87556012A ACTIVE LCCC Fit 20 1 TBD POST-LET N / A for Pkg Type S982-8755601RA ACTIVE CDIP J 20 1 TBD A42 SNPB N / A for Pkg Type S982-8755601VSA ACTIVE CFP W 20 1 TBD A42 SNPB N / A for Pkg Type S982-8755601VSA ACTIVE CFP W 20 1 TBD A42 SNPB N / A for Pkg Type SN74ACT373DBLE OBSOLETE SSOP DB 20 Coll TBD Call TI Call TI Call TI Call TI SN74ACT373DBR ACTIVE SSOP DB 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DW ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWE4 ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR4 ACTIVE | Orderable Device | Status ⁽¹⁾ | Package Type | Package Drawing | Pins | Package Qty | e Eco Plan ⁽²⁾ | Lead/Ball Finish | n MSL Peak Temp ⁽³⁾ |
|--|------------------|-----------------------|-----------------|--------------------|------|----------------|---------------------------|------------------|--------------------------------|
| 5982-8755601SA ACTIVE CFP W 20 1 TBD A42 N / A for Pkg Type 5982-8755601VRA ACTIVE CDIP J 20 1 TBD A42 N / A for Pkg Type 5982-8755601VRA ACTIVE CFP W 20 1 TBD Call TI | 5962-87556012A | ACTIVE | LCCC | FK | 20 | 1 | TBD | POST-PLATE | N / A for Pkg Type |
| S962-8755601VRA ACTIVE CDIP J 20 1 TBD A42 SNPB N / A for Pkg Type S962-8755601VSA ACTIVE CFP W 20 1 TBD A42 N / A for Pkg Type SN74ACT373DBLE OBSOLETE SSOP DB 20 TBD Call TI Call TI SN74ACT373DBR4 ACTIVE SSOP DB 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM no Sbft) SN74ACT373DBR64 ACTIVE SSOP DB 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM no Sbft) SN74ACT373DW4 ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM no Sbft) SN74ACT373DW44 ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM no Sbft) SN74ACT373DW744 ACTIVE SOIC DW 20 200 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM no Sbft) SN74ACT373DW764 ACTIVE SOIC DW 20 2 | 5962-8755601RA | ACTIVE | CDIP | J | 20 | 1 | TBD | A42 SNPB | N / A for Pkg Type |
| 5962-8755601VSA ACTIVE CFP W 20 1 TBD A42 N / A for Pkg Type SN74ACT373DBR ACTIVE SSOP DB 20 TBD Call TI Ca | 5962-8755601SA | ACTIVE | CFP | W | 20 | 1 | TBD | A42 | N / A for Pkg Type |
| SN74ACT373DBLE OBSOLETE SSOP DB 20 TBD Call TI | 5962-8755601VRA | ACTIVE | CDIP | J | 20 | 1 | TBD | A42 SNPB | N / A for Pkg Type |
| SN74ACT373DBR ACTIVE SSOP DB 20 2000 Green (RoHS & CU NIPDAU no Sb/B) Level-1-260C-UNLIM no Sb/B) SN74ACT373DBRE4 ACTIVE SSOP DB 20 2000 Green (RoHS & CU NIPDAU no Sb/B) Level-1-260C-UNLIM no Sb/B) SN74ACT373DBRG4 ACTIVE SSOP DB 20 2000 Green (RoHS & CU NIPDAU no Sb/B) Level-1-260C-UNLIM no Sb/B) SN74ACT373DW ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU no Sb/B) Level-1-260C-UNLIM no Sb/B) SN74ACT373DWG4 ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU no Sb/B) Level-1-260C-UNLIM no Sb/B) SN74ACT373DWG4 ACTIVE SOIC DW 20 200 Green (RoHS & CU NIPDAU no Sb/B) Level-1-260C-UNLIM no Sb/B) SN74ACT373DWR64 ACTIVE SOIC DW 20 2000 Green (RoHS & CU NIPDAU no Sb/B) Level-1-260C-UNLIM no Sb/B) SN74ACT373DWR64 ACTIVE SOIC DW 20 2000 Green (RoHS & CU NIPDAU no Sb/B) Level-1-260C-UNLIM no Sb/B) | 5962-8755601VSA | ACTIVE | CFP | W | 20 | 1 | TBD | A42 | N / A for Pkg Type |
| Ino Sb/Bit Ino Sb/Bit SN74ACT373DBRE4 ACTIVE SSOP DB 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DBRG4 ACTIVE SSOP DB 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DW ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWE4 ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWG4 ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR4 ACTIVE SOIC DW 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR44 ACTIVE SOIC DW 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR54 ACTIVE SOIC DW 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR64 ACTIVE SOIC <td>SN74ACT373DBLE</td> <td>OBSOLETE</td> <td>SSOP</td> <td>DB</td> <td>20</td> <td></td> <td>TBD</td> <td>Call TI</td> <td>Call TI</td> | SN74ACT373DBLE | OBSOLETE | SSOP | DB | 20 | | TBD | Call TI | Call TI |
| Inc SibBry Inc SibBry SN74ACT373DBRG4 ACTIVE SSOP DB 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DW ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWE4 ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWG4 ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR4 ACTIVE SOIC DW 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR4 ACTIVE SOIC DW 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR4 ACTIVE SOIC DW 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373NR4 ACTIVE SOIC DW 20 200 Pb-Free CU NIPDAU Level-1-260C-UNLIM SN74ACT373NSR ACTIVE PDI | SN74ACT373DBR | ACTIVE | SSOP | DB | 20 | 2000 | | CU NIPDAU | Level-1-260C-UNLIM |
| SN74ACT373DW ACTIVE SOIC DW 20 25 Green (RoHS & No Sb/Br) CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWE4 ACTIVE SOIC DW 20 25 Green (RoHS & No Sb/Br) CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWG4 ACTIVE SOIC DW 20 25 Green (RoHS & No Sb/Br) CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR4 ACTIVE SOIC DW 20 2000 Green (RoHS & No Sb/Br) CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR4 ACTIVE SOIC DW 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR54 ACTIVE SOIC DW 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373N ACTIVE SOIC DW 20 200 Pb-Free (RoHS) CU NIPDAU Level-1-260C-UNLIM SN74ACT373NE4 ACTIVE PDIP N 20 200 Ofeen (RoHS & CU NIPDAU Level-1-260C-UNLIM SN74ACT373NSR4 | SN74ACT373DBRE4 | ACTIVE | SSOP | DB | 20 | 2000 | `` | CU NIPDAU | Level-1-260C-UNLIM |
| N74ACT373DWE4 ACTIVE SOIC DW 20 25 Green (RoHS & CU NIPDAU no Sb/Br) Level-1-260C-UNLIM Level-1-260C-UNLIM SN74ACT373DWG4 ACTIVE SOIC DW 20 25 Green (RoHS & no Sb/Br) CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR4 ACTIVE SOIC DW 20 200 Green (RoHS & no Sb/Br) CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR44 ACTIVE SOIC DW 20 200 Green (RoHS & no Sb/Br) CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR64 ACTIVE SOIC DW 20 200 Green (RoHS & no Sb/Br) CU NIPDAU Level-1-260C-UNLIM SN74ACT373DWR64 ACTIVE SOIC DW 20 200 Green (RoHS & (ROHS) CU NIPDAU Level-1-260C-UNLIM SN74ACT373NE4 ACTIVE PDIP N 20 20 Pb-Free (RoHS) CU NIPDAU N / A for Pkg Type SN74ACT373NSR4 ACTIVE SO NS 20 200 Green (RoHS & (ROHS) CU NIPDAU Level-1-260C-UNLIM no Sb/Br) SN74ACT373NSR64 ACTIVE SO <t< td=""><td>SN74ACT373DBRG4</td><td>ACTIVE</td><td>SSOP</td><td>DB</td><td>20</td><td>2000</td><td></td><td>CU NIPDAU</td><td>Level-1-260C-UNLIM</td></t<> | SN74ACT373DBRG4 | ACTIVE | SSOP | DB | 20 | 2000 | | CU NIPDAU | Level-1-260C-UNLIM |
| SN74ACT373DWG4ACTIVESOICDW2025Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373DWRACTIVESOICDW202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373DWRE4ACTIVESOICDW202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373DWRE4ACTIVESOICDW202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373DWR64ACTIVESOICDW202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373NACTIVEPDIPN2020Pb-FreeCU NIPDAUN / A for Pkg TypeSN74ACT373NE4ACTIVEPDIPN202000Green (RoHS & CU NIPDAUN / A for Pkg TypeSN74ACT373NSR64ACTIVESONS202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373NSR64ACTIVESONS202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373NSR64ACTIVESONS202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWE4ACTIVETSSOPPW2070Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWG4ACTIVETSSOPPW2070Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWR64ACTIVETSSOPPW2070Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWR64ACTIVE | SN74ACT373DW | ACTIVE | SOIC | DW | 20 | 25 | | CU NIPDAU | Level-1-260C-UNLIM |
| NT4ACT373DWRACTIVESOICDW202000Green (RoHS & ron Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373DWRE4ACTIVESOICDW202000Green (RoHS & ron Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373DWRG4ACTIVESOICDW202000Green (RoHS & ron Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373DWRG4ACTIVEPDIPN20200Green (RoHS & ron Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373NE4ACTIVEPDIPN2020Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74ACT373NSRACTIVESONS202000Green (RoHS & ron Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373NSR4ACTIVESONS202000Green (RoHS & ron Sb/Br)CU NIPDAULevel-1-260C-UNLIM ron Sb/Br)SN74ACT373NSR64ACTIVESONS202000Green (RoHS & ron Sb/Br)CU NIPDAULevel-1-260C-UNLIM ron Sb/Br)SN74ACT373PWE4ACTIVETSSOPPW2070Green (RoHS & ron Sb/Br)CU NIPDAULevel-1-260C-UNLIM ron Sb/Br)SN74ACT373PWR4ACTIVETSSOPPW2070Green (RoHS & ron Sb/Br)Cul NIPDAULevel-1-260C-UNLIM ron Sb/Br)SN74ACT373PWR4ACTIVETSSOPPW2070Green (RoHS & ron Sb/Br)Call T1Call T1SN74ACT373PWR4ACTIVETSSOPPW | SN74ACT373DWE4 | ACTIVE | SOIC | DW | 20 | 25 | | CU NIPDAU | Level-1-260C-UNLIM |
| N74ACT373DWRE4ACTIVESOICDW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br)SN74ACT373DWRG4ACTIVESOICDW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373NACTIVEPDIPN2020Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74ACT373NE4ACTIVEPDIPN2020Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74ACT373NSRACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIMSN74ACT373NSRE4ACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIMSN74ACT373NSRE4ACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWE4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWR4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWR4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWR4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C- | SN74ACT373DWG4 | ACTIVE | SOIC | DW | 20 | 25 | (| CU NIPDAU | Level-1-260C-UNLIM |
| SN74ACT373DWRG4ACTIVESOICDW20200Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373NACTIVEPDIPN2020Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74ACT373NE4ACTIVEPDIPN2020Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74ACT373NSRACTIVEPDIPN20200Green (RoHS & (RoHS)CU NIPDAULevel-1-260C-UNLIM | SN74ACT373DWR | ACTIVE | SOIC | DW | 20 | 2000 | | CU NIPDAU | Level-1-260C-UNLIM |
| SN74ACT373NACTIVEPDIPN2020Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74ACT373NE4ACTIVEPDIPN2020Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74ACT373NSRACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373NSRE4ACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373NSRG4ACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWE4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWG4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWR4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)Cu NIPDAULevel-1-260C-UNLIMSN74ACT373PWR4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)Cu NIPDAULevel-1-260C-UNLIMSN74ACT373PWR64ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWR64ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAU | SN74ACT373DWRE4 | ACTIVE | SOIC | DW | 20 | 2000 | | CU NIPDAU | Level-1-260C-UNLIM |
| (RoHS)(RoHS)(RoHS)(UNPDAU)N / A for Pkg TypeSN74ACT373NE4ACTIVEPDIPN20200Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373NSRE4ACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373NSRE4ACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373NSRE4ACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWE4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWG4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)Cu NIPDAULevel-1-260C-UNLIMSN74ACT373PWR4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)Call TICall TISN74ACT373PWR4ACTIVETSSOPPW20TBDCall TICall TISN74ACT373PWR4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWR4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWR44ACTIVETSSOPPW20 </td <td>SN74ACT373DWRG4</td> <td>ACTIVE</td> <td>SOIC</td> <td>DW</td> <td>20</td> <td>2000</td> <td></td> <td>CU NIPDAU</td> <td>Level-1-260C-UNLIM</td> | SN74ACT373DWRG4 | ACTIVE | SOIC | DW | 20 | 2000 | | CU NIPDAU | Level-1-260C-UNLIM |
| (RoHS)SN74ACT373NSRACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373NSRE4ACTIVESONS202000Green (RoHS & cU NIPDAULevel-1-260C-UNLIMSN74ACT373NSRG4ACTIVESONS202000Green (RoHS & cU NIPDAULevel-1-260C-UNLIMSN74ACT373NSRG4ACTIVESONS202000Green (RoHS & cU NIPDAULevel-1-260C-UNLIMSN74ACT373PWACTIVETSSOPPW2070Green (RoHS & cU NIPDAULevel-1-260C-UNLIMSN74ACT373PWE4ACTIVETSSOPPW2070Green (RoHS & cU NIPDAULevel-1-260C-UNLIMSN74ACT373PWG4ACTIVETSSOPPW2070Green (RoHS & cU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRE4ACTIVETSSOPPW2070Green (RoHS & cU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRE4ACTIVETSSOPPW2070Green (RoHS & cU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRE4ACTIVETSSOPPW202000Green (RoHS & cU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRE4ACTIVETSSOPPW202000Green (RoHS & cU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & cU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & cU NIPDAULevel-1-260C- | SN74ACT373N | ACTIVE | PDIP | Ν | 20 | 20 | | CU NIPDAU | N / A for Pkg Type |
| N74ACT373NSRE4ACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIMSN74ACT373NSRG4ACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIMSN74ACT373PWACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIMSN74ACT373PWE4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIMSN74ACT373PWG4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIMSN74ACT373PWLEOBSOLETETSSOPPW20TBDCall TICall TISN74ACT373PWR4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWR64ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWR64ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br) | SN74ACT373NE4 | ACTIVE | PDIP | Ν | 20 | 20 | | CU NIPDAU | N / A for Pkg Type |
| SN74ACT373NSRG4ACTIVESONS202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br)SN74ACT373PWACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br)SN74ACT373PWE4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br)SN74ACT373PWE4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br)SN74ACT373PWLEOBSOLETETSSOPPW2070Green (RoHS & no Sb/Br)Cul ITICall TISN74ACT373PWRE4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWRE4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br) | SN74ACT373NSR | ACTIVE | SO | NS | 20 | 2000 | | CU NIPDAU | Level-1-260C-UNLIM |
| NT4ACT373PWACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWE4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWG4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWG4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWLEOBSOLETETSSOPPW20TBDCall TICall TISN74ACT373PWREACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRE4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM | SN74ACT373NSRE4 | ACTIVE | SO | NS | 20 | 2000 | | CU NIPDAU | Level-1-260C-UNLIM |
| SN74ACT373PWE4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br)SN74ACT373PWG4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br)SN74ACT373PWLEOBSOLETETSSOPPW20TBDCall TICall TISN74ACT373PWREACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br)SN74ACT373PWRE4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br)SN74ACT373PWRE4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br)SN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br) | SN74ACT373NSRG4 | ACTIVE | SO | NS | 20 | 2000 | | CU NIPDAU | Level-1-260C-UNLIM |
| SN74ACT373PWG4ACTIVETSSOPPW2070Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWLEOBSOLETETSSOPPW20TBDCall TICall TISN74ACT373PWRACTIVETSSOPPW202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWRE4ACTIVETSSOPPW202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br) | SN74ACT373PW | ACTIVE | TSSOP | PW | 20 | 70 | | CU NIPDAU | Level-1-260C-UNLIM |
| no Sb/Br)SN74ACT373PWLEOBSOLETETSSOPPW20TBDCall TICall TISN74ACT373PWRACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWRE4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br) | SN74ACT373PWE4 | ACTIVE | TSSOP | PW | 20 | 70 | | CU NIPDAU | Level-1-260C-UNLIM |
| SN74ACT373PWRACTIVETSSOPPW202000Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRE4ACTIVETSSOPPW202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74ACT373PWRG4ACTIVETSSOPPW202000Green (RoHS & CU NIPDAULevel-1-260C-UNLIM | SN74ACT373PWG4 | ACTIVE | TSSOP | PW | 20 | 70 | | CU NIPDAU | Level-1-260C-UNLIM |
| no Sb/Br) SN74ACT373PWRE4 ACTIVE TSSOP PW 20 2000 Green (RoHS & Lovel-1-260C-UNLIM no Sb/Br) CU NIPDAU Level-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br) SN74ACT373PWRG4 ACTIVE TSSOP PW 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM no Sb/Br) | SN74ACT373PWLE | OBSOLETE | TSSOP | PW | 20 | | TBD | Call TI | Call TI |
| no Sb/Br) SN74ACT373PWRG4 ACTIVE TSSOP PW 20 2000 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM no Sb/Br) | SN74ACT373PWR | ACTIVE | TSSOP | PW | 20 | 2000 | | CU NIPDAU | Level-1-260C-UNLIM |
| no Šb/Br) | SN74ACT373PWRE4 | ACTIVE | TSSOP | PW | 20 | 2000 | | CU NIPDAU | Level-1-260C-UNLIM |
| | SN74ACT373PWRG4 | ACTIVE | TSSOP | PW | 20 | 2000 | | CU NIPDAU | Level-1-260C-UNLIM |
| | SNJ54ACT373FK | ACTIVE | LCCC | FK | 20 | 1 | | POST-PLATE | N / A for Pkg Type |





| Orderable Device | Status ⁽¹⁾ | Package Type | Package Drawing | Pins | Package Qty | Eco Plan ⁽²⁾ | Lead/Ball Finish | MSL Peak Temp ⁽³⁾ |
|------------------|-----------------------|-----------------|--------------------|------|----------------|-------------------------|------------------|------------------------------|
| SNJ54ACT373J | ACTIVE | CDIP | J | 20 | 1 | TBD | A42 SNPB | N / A for Pkg Type |
| SNJ54ACT373W | ACTIVE | CFP | W | 20 | 1 | TBD | A42 | N / A for Pkg Type |

⁽¹⁾ The marketing status values are defined as follows:

ACTIVE: Product device recommended for new designs.

LIFEBUY: TI has announced that the device will be discontinued, and a lifetime-buy period is in effect.

NRND: Not recommended for new designs. Device is in production to support existing customers, but TI does not recommend using this part in a new design.

PREVIEW: Device has been announced but is not in production. Samples may or may not be available.

OBSOLETE: TI has discontinued the production of the device.

⁽²⁾ Eco Plan - The planned eco-friendly classification: Pb-Free (RoHS), Pb-Free (RoHS Exempt), or Green (RoHS & no Sb/Br) - please check http://www.ti.com/productcontent for the latest availability information and additional product content details.

TBD: The Pb-Free/Green conversion plan has not been defined.

Pb-Free (RoHS): TI's terms "Lead-Free" or "Pb-Free" mean semiconductor products that are compatible with the current RoHS requirements for all 6 substances, including the requirement that lead not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, TI Pb-Free products are suitable for use in specified lead-free processes.

Pb-Free (RoHS Exempt): This component has a RoHS exemption for either 1) lead-based flip-chip solder bumps used between the die and package, or 2) lead-based die adhesive used between the die and leadframe. The component is otherwise considered Pb-Free (RoHS compatible) as defined above.

Green (RoHS & no Sb/Br): TI defines "Green" to mean Pb-Free (RoHS compatible), and free of Bromine (Br) and Antimony (Sb) based flame retardants (Br or Sb do not exceed 0.1% by weight in homogeneous material)

⁽³⁾ MSL, Peak Temp. -- The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.

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TAPE AND REEL INFORMATION





QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



| *All di | *All dimensions are nominal | | | | | | | | | | | | |
|---------|-----------------------------|-----------------|--------------------|----|------|--------------------------|--------------------------|---------|---------|---------|------------|-----------|------------------|
| | Device | Package Type | Package Drawing | | SPQ | Reel Diameter (mm) | Reel Width W1 (mm) | A0 (mm) | B0 (mm) | K0 (mm) | P1 (mm) | W (mm) | Pin1 Quadrant |
| S | N74ACT373DBR | SSOP | DB | 20 | 2000 | 330.0 | 16.4 | 8.2 | 7.5 | 2.5 | 12.0 | 16.0 | Q1 |
| S | N74ACT373DWR | SOIC | DW | 20 | 2000 | 330.0 | 24.4 | 10.8 | 13.0 | 2.7 | 12.0 | 24.0 | Q1 |
| S | N74ACT373PWR | TSSOP | PW | 20 | 2000 | 330.0 | 16.4 | 6.95 | 7.1 | 1.6 | 8.0 | 16.0 | Q1 |



PACKAGE MATERIALS INFORMATION

11-Mar-2008



*All dimensions are nominal

| Device | Package Type | Package Drawing | Pins | SPQ | Length (mm) | Width (mm) | Height (mm) |
|---------------|--------------|-----------------|------|------|-------------|------------|-------------|
| SN74ACT373DBR | SSOP | DB | 20 | 2000 | 346.0 | 346.0 | 33.0 |
| SN74ACT373DWR | SOIC | DW | 20 | 2000 | 346.0 | 346.0 | 41.0 |
| SN74ACT373PWR | TSSOP | PW | 20 | 2000 | 346.0 | 346.0 | 33.0 |

MECHANICAL DATA

MSSO002E - JANUARY 1995 - REVISED DECEMBER 2001

DB (R-PDSO-G**)

PLASTIC SMALL-OUTLINE

28 PINS SHOWN



NOTES: A. All linear dimensions are in millimeters.

- B. This drawing is subject to change without notice.
- C. Body dimensions do not include mold flash or protrusion not to exceed 0,15.
- D. Falls within JEDEC MO-150



MLCC006B - OCTOBER 1996

FK (S-CQCC-N**)

LEADLESS CERAMIC CHIP CARRIER

28 TERMINAL SHOWN



NOTES: A. All linear dimensions are in inches (millimeters).

- B. This drawing is subject to change without notice.
- C. This package can be hermetically sealed with a metal lid.
- D. The terminals are gold plated.
- E. Falls within JEDEC MS-004



MECHANICAL DATA

PLASTIC SMALL-OUTLINE PACKAGE

0,51 0,35 ⊕0,25⊛ 1,27 8 14 0,15 NOM 5,60 8,20 5,00 7,40 \bigcirc Gage Plane ₽ 0,25 7 1 1,05 0,55 0°-10° Δ 0,15 0,05 Seating Plane — 2,00 MAX 0,10PINS ** 14 16 20 24 DIM 10,50 10,50 12,90 15,30 A MAX A MIN 9,90 9,90 12,30 14,70 4040062/C 03/03

NOTES: A. All linear dimensions are in millimeters.

NS (R-PDSO-G**)

14-PINS SHOWN

- B. This drawing is subject to change without notice.
- C. Body dimensions do not include mold flash or protrusion, not to exceed 0,15.



J (R-GDIP-T**) 14 LEADS SHOWN

CERAMIC DUAL IN-LINE PACKAGE



NOTES: A. All linear dimensions are in inches (millimeters).

- B. This drawing is subject to change without notice.
- C. This package is hermetically sealed with a ceramic lid using glass frit.
- D. Index point is provided on cap for terminal identification only on press ceramic glass frit seal only.
- E. Falls within MIL STD 1835 GDIP1-T14, GDIP1-T16, GDIP1-T18 and GDIP1-T20.

MECHANICAL DATA

MTSS001C - JANUARY 1995 - REVISED FEBRUARY 1999

PW (R-PDSO-G**)

PLASTIC SMALL-OUTLINE PACKAGE

14 PINS SHOWN



NOTES: A. All linear dimensions are in millimeters.

- B. This drawing is subject to change without notice.
- C. Body dimensions do not include mold flash or protrusion not to exceed 0,15.
- D. Falls within JEDEC MO-153



W (R-GDFP-F20)

CERAMIC DUAL FLATPACK



- NOTES: A. All linear dimensions are in inches (millimeters).
 - B. This drawing is subject to change without notice.
 - C. This package can be hermetically sealed with a ceramic lid using glass frit.
 - D. Index point is provided on cap for terminal identification only.
 - E. Falls within Mil-Std 1835 GDFP2-F20



DW (R-PDSO-G20)

PLASTIC SMALL-OUTLINE PACKAGE



NOTES: A. All linear dimensions are in inches (millimeters).

B. This drawing is subject to change without notice.

C. Body dimensions do not include mold flash or protrusion not to exceed 0.006 (0,15).

D. Falls within JEDEC MS-013 variation AC.



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



NOTES:

- A. All linear dimensions are in inches (millimeters).B. This drawing is subject to change without notice.
- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
- \triangle The 20 pin end lead shoulder width is a vendor option, either half or full width.



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