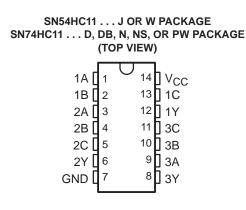
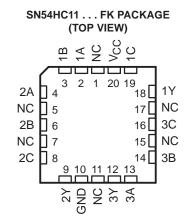
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- Wide Operating Voltage Range of 2 V to 6 V
- Outputs Can Drive Up To 10 LSTTL Loads
- Low Power Consumption, 20-μA Max I_{CC}



- Typical t_{pd} = 8 ns
- ±4-mA Output Drive at 5 V
- Low Input Current of 1 μA Max



NC - No internal connection

description/ordering information

The 'HC11 devices contain three independent 3-input AND gates. They perform the Boolean function $Y = A \bullet B \bullet C$ or $Y = \overline{\overline{A} + \overline{B} + \overline{C}}$ in positive logic.

| TA | PACKA | PACKAGE [†] ORDERABLE PART NUMBER | | |
|----------------|---------------------|---|-------------|-------------|
| | PDIP – N Tube of 25 | | SN74HC11N | SN74HC11N |
| | | Tube of 50 | SN74HC11D | |
| | SOIC – D | Reel of 2500 | SN74HC11DR | HC11 |
| | | Reel of 250 | SN74HC11DT | |
| -40°C to 85°C | SOP – NS | Reel of 2000 | SN74HC11NSR | HC11 |
| | SSOP – DB | Reel of 2000 | SN74HC11DBR | HC11 |
| | | Tube of 90 | SN74HC11PW | |
| | TSSOP – PW | Reel of 2000 | SN74HC11PWR | HC11 |
| | | Reel of 250 | SN74HC11PWT | |
| | CDIP – J | Tube of 25 | SNJ54HC11J | SNJ54HC11J |
| –55°C to 125°C | CFP – W | Tube of 150 | SNJ54HC11W | SNJ54HC11W |
| | LCCC – FK | Tube of 55 | SNJ54HC11FK | SNJ54HC11FK |

ORDERING INFORMATION

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



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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.



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| | FUNCTION TABLE (each gate) | | | | | | | | | | |
|---|-------------------------------|--------|---|--|--|--|--|--|--|--|--|
| | INPUTS | OUTPUT | | | | | | | | | |
| Α | В | С | Y | | | | | | | | |
| Н | Н | Н | Н | | | | | | | | |
| L | Х | Х | L | | | | | | | | |
| Х | L | Х | L | | | | | | | | |
| Х | Х | L | L | | | | | | | | |

logic diagram (positive logic)



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

| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | 20 mA 20 mA 25 mA 50 mA 6°C/W 6°C/W 0°C/W 6°C/W |
|--|--|
| Storage temperature range, T _{stg} 65°C to | |

[†] 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)

| | | | S | N54HC1 | 1 | S | SN74HC11 | | | |
|------------------------------|---------------------------------|-------------------------|------|--------|------|------|----------|------|------|--|
| | | | MIN | NOM | MAX | MIN | NOM | MAX | UNIT | |
| VCC | Supply voltage | | 2 | 5 | 6 | 2 | 5 | 6 | V | |
| VIH High-level input voltage | | $V_{CC} = 2 V$ | 1.5 | | | 1.5 | | | | |
| | High-level input voltage | $V_{CC} = 4.5 V$ | 3.15 | | | 3.15 | | | V | |
| | | $V_{CC} = 6 V$ | 4.2 | | | 4.2 | | | | |
| | | $V_{CC} = 2 V$ | | | 0.5 | | | 0.5 | | |
| VIL Low-level input voltage | Low-level input voltage | $V_{CC} = 4.5 V$ | | | 1.35 | | | 1.35 | V | |
| | | V _{CC} = 6 V | | | 1.8 | | | 1.8 | 8 | |
| VI | Input voltage | | 0 | | VCC | 0 | | VCC | V | |
| VO | Output voltage | | 0 | | VCC | 0 | | VCC | V | |
| | | V _{CC} = 2 V | | | 1000 | | | 1000 | | |
| $\Delta t / \Delta v$ | Input transition rise/fall time | V _{CC} = 4.5 V | | | 500 | | | 500 | ns | |
| | | V _{CC} = 6 V | | | 400 | | | 400 | | |
| TA | 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)

| | | | | Т | A = 25°C | ; | SN54 | HC11 | SN74H | IC11 | |
|---|-------------------------------------|----------------------------|------------|------|----------|------|------|-------|-------|-------|------|
| PARAMETER | TEST CC | ONDITIONS | Vcc | MIN | TYP | MAX | MIN | MAX | MIN | MAX | UNIT |
| | | | 2 V | 1.9 | 1.998 | | 1.9 | | 1.9 | | |
| | | I _{OH} = -20 μA | 4.5 V | 4.4 | 4.499 | | 4.4 | | 4.4 | | |
| V _{OH} V _I = V _{IH} or V _{IL} | $V_I = V_{IH} \text{ or } V_{IL}$ | | 6 V | 5.9 | 5.999 | | 5.9 | | 5.9 | | V |
| | | $I_{OH} = -4 \text{ mA}$ | 4.5 V | 3.98 | 4.3 | | 3.7 | | 3.84 | | |
| | | $I_{OH} = -5.2 \text{ mA}$ | 6 V | 5.48 | 5.8 | | 5.2 | | 5.34 | | |
| | | l _{OL} = 20 μA | 2 V | | 0.002 | 0.1 | | 0.1 | | 0.1 | |
| | | | 4.5 V | | 0.001 | 0.1 | | 0.1 | | 0.1 | |
| VOL | $V_{I} = V_{IH} \text{ or } V_{IL}$ | | 6 V | | 0.001 | 0.1 | | 0.1 | | 0.1 | V |
| | | I _{OL} = 4 mA | 4.5 V | | 0.17 | 0.26 | | 0.4 | | 0.33 | |
| | | I _{OL} = 5.2 mA | 6 V | | 0.15 | 0.26 | | 0.4 | | 0.33 | |
| lı | $V_I = V_{CC} \text{ or } 0$ | | 6 V | | ±0.1 | ±100 | | ±1000 | | ±1000 | nA |
| ICC | $V_I = V_{CC} \text{ or } 0,$ | IO = 0 | 6 V | | | 2 | | 40 | | 20 | μΑ |
| Ci | | | 2 V to 6 V | | 3 | 10 | | 10 | | 10 | pF |



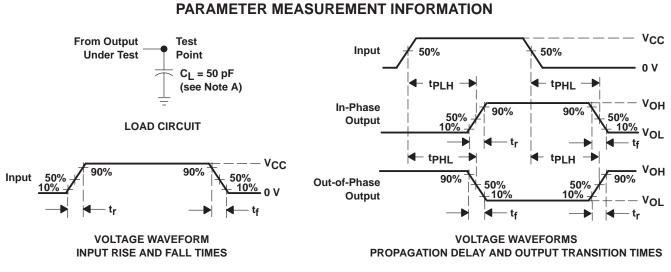
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switching characteristics over recommended operating free-air temperature range, $C_L = 50 \text{ pF}$ (unless otherwise noted) (see Figure 1)

| | FROM | то | | Т | ן = 25°C | ; | SN54 | IC11 | SN74 | HC11 | |
|-----------------|------------|----------|-------|-----|----------|-----|------|------|------|------|------|
| PARAMETER | (INPUT) | (OUTPUT) | VCC | MIN | TYP | MAX | MIN | MAX | MIN | MAX | UNIT |
| | | | 2 V | | 35 | 100 | | 150 | | 125 | |
| ^t pd | A, B, or C | Y | 4.5 V | | 10 | 20 | | 30 | | 25 | ns |
| | | | 6 V | | 8 | 17 | | 25 | | 21 | |
| | | | 2 V | | 25 | 75 | | 110 | | 95 | |
| tt | | Y | 4.5 V | | 7 | 15 | | 22 | | 19 | ns |
| | | | 6 V | | 5 | 13 | | 19 | | 16 | |

operating characteristics, $T_A = 25^{\circ}C$

| | PARAMETER | TEST CONDITIONS | TYP | UNIT |
|-----|--|-----------------|-----|------|
| Cpd | Power dissipation capacitance per gate | No load | 25 | pF |



NOTES: A. CL includes probe and test-fixture capacitance.

- B. Phase relationships between waveforms were chosen arbitrarily. All input pulses are supplied by generators having the following characteristics: PRR \leq 1 MHz, Z_Q = 50 Ω , t_f = 6 ns, t_f = 6 ns.
- C. The outputs are measured one at a time with one input transition per measurement.
- D. t_{PLH} and t_{PHL} are the same as t_{pd} .

Figure 1. Load Circuit and Voltage Waveforms



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| Microcontrollers | microcontroller.ti.com | Security | www.ti.com/security |
| Low Power Wireless | www.ti.com/lpw | Telephony | www.ti.com/telephony |
| | | Video & Imaging | www.ti.com/video |
| | | Wireless | www.ti.com/wireless |

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9-Oct-2007

PACKAGING INFORMATION

| 5962-8404801VCA ACTIVE CDIP J 14 1 TBD A42 SNP 5962-8404801VDA ACTIVE CFP W 14 1 TBD A42 84048012A ACTIVE LCCC FK 20 1 TBD POST-PLA 8404801CA ACTIVE CDIP J 14 1 TBD A42 SNP 8404801CA ACTIVE CDIP J 14 1 TBD A42 SNP 8404801DA ACTIVE CDIP J 14 1 TBD A42 SNP 8404801DA ACTIVE CFP W 14 1 TBD A42 SNP 8404801DA ACTIVE CDIP J 14 1 TBD A42 SNP 8404801DA ACTIVE CDIP J 14 1 TBD A42 SNP SN54HC11J ACTIVE CDIP J 14 1 TBD A42 SNP SN74HC11D ACTIVE SOIC | N / A for Pkg Type TE N / A for Pkg Type N / A for Pkg Type N / A for Pkg Type N / A for Pkg Type B N / A for Pkg Type B N / A for Pkg Type AU Level-1-260C-UNLIM |
|---|---|
| 84048012AACTIVELCCCFK201TBDPOST-PLA8404801CAACTIVECDIPJ141TBDA42 SNP8404801DAACTIVECFPW141TBDA42JM38510/65204BCAACTIVECDIPJ141TBDA42 SNPSN54HC11JACTIVECDIPJ141TBDA42 SNPSN74HC11DACTIVESOICD1450Green (RoHS & CU NIPDA no Sb/Br) | ATE N / A for Pkg Type B N / A for Pkg Type N / A for Pkg Type B N / A for Pkg Type AU Level-1-260C-UNLIM |
| 8404801CA ACTIVE CDIP J 14 1 TBD A42 SNP 8404801DA ACTIVE CFP W 14 1 TBD A42 JM38510/65204BCA ACTIVE CDIP J 14 1 TBD A42 SN54HC11J ACTIVE CDIP J 14 1 TBD A42 SNP SN74HC11D ACTIVE CDIP J 14 1 TBD A42 SNP SN74HC11D ACTIVE SOIC D 14 50 Green (RoHS & CU NIPDA no Sb/Br) | B N / A for Pkg Type N / A for Pkg Type B N / A for Pkg Type B N / A for Pkg Type B N / A for Pkg Type AU Level-1-260C-UNLIM |
| 8404801DAACTIVECFPW141TBDA42JM38510/65204BCAACTIVECDIPJ141TBDA42 SNPSN54HC11JACTIVECDIPJ141TBDA42 SNPSN74HC11DACTIVESOICD1450Green (RoHS & CU NIPDA no Sb/Br) | N / A for Pkg Type B N / A for Pkg Type B N / A for Pkg Type B N / A for Pkg Type AU Level-1-260C-UNLIM |
| JM38510/65204BCAACTIVECDIPJ141TBDA42 SNPSN54HC11JACTIVECDIPJ141TBDA42 SNPSN74HC11DACTIVESOICD1450Green (RoHS & CU NIPDA no Sb/Br) | B N / A for Pkg Type B N / A for Pkg Type B N / A for Pkg Type AU Level-1-260C-UNLIM |
| SN54HC11J ACTIVE CDIP J 14 1 TBD A42 SNP SN74HC11D ACTIVE SOIC D 14 50 Green (RoHS & CU NIPDA no Sb/Br) | B N / A for Pkg Type AU Level-1-260C-UNLIM AU Level-1-260C-UNLIM |
| SN74HC11D ACTIVE SOIC D 14 50 Green (RoHS & CU NIPDA no Sb/Br) | AU Level-1-260C-UNLIM |
| no Sb/Br) | AU Level-1-260C-UNLIM |
| SN74HC11DBR ACTIVE SSOP DB 14 2000 Green (RoHS & CU NIPDA | |
| no Sb/Br) | |
| SN74HC11DBRE4 ACTIVE SSOP DB 14 2000 Green (RoHS & CU NIPDA no Sb/Br) | AU Level-1-260C-UNLIM |
| SN74HC11DBRG4 ACTIVE SSOP DB 14 2000 Green (RoHS & CU NIPDA no Sb/Br) | Level-1-260C-UNLIM |
| SN74HC11DE4 ACTIVE SOIC D 14 50 Green (RoHS & CU NIPDA no Sb/Br) | Level-1-260C-UNLIM |
| SN74HC11DG4 ACTIVE SOIC D 14 50 Green (RoHS & CU NIPDA no Sb/Br) | AU Level-1-260C-UNLIM |
| SN74HC11DR ACTIVE SOIC D 14 2500 Green (RoHS & CU NIPDA no Sb/Br) | Level-1-260C-UNLIM |
| SN74HC11DRE4 ACTIVE SOIC D 14 2500 Green (RoHS & CU NIPDA no Sb/Br) | U Level-1-260C-UNLIM |
| SN74HC11DRG4 ACTIVE SOIC D 14 2500 Green (RoHS & CU NIPDA no Sb/Br) | AU Level-1-260C-UNLIM |
| SN74HC11DT ACTIVE SOIC D 14 250 Green (RoHS & CU NIPDA no Sb/Br) | U Level-1-260C-UNLIM |
| SN74HC11DTE4 ACTIVE SOIC D 14 250 Green (RoHS & CU NIPDA no Sb/Br) | AU Level-1-260C-UNLIM |
| SN74HC11DTG4 ACTIVE SOIC D 14 250 Green (RoHS & CU NIPDA no Sb/Br) | AU Level-1-260C-UNLIM |
| SN74HC11N ACTIVE PDIP N 14 25 Pb-Free CU NIPDA (RoHS) | AU N / A for Pkg Type |
| SN74HC11NE4 ACTIVE PDIP N 14 25 Pb-Free CU NIPDA (RoHS) | AU N / A for Pkg Type |
| SN74HC11NSR ACTIVE SO NS 14 2000 Green (RoHS & CU NIPDA no Sb/Br) | U Level-1-260C-UNLIM |
| SN74HC11NSRE4 ACTIVE SO NS 14 2000 Green (RoHS & CU NIPDA no Sb/Br) | Level-1-260C-UNLIM |
| SN74HC11NSRG4 ACTIVE SO NS 14 2000 Green (RoHS & CU NIPDA no Sb/Br) | Level-1-260C-UNLIM |
| SN74HC11PW ACTIVE TSSOP PW 14 90 Green (RoHS & CU NIPDA no Sb/Br) | U Level-1-260C-UNLIM |
| SN74HC11PWE4 ACTIVE TSSOP PW 14 90 Green (RoHS & CU NIPDA no Sb/Br) | Level-1-260C-UNLIM |
| SN74HC11PWG4 ACTIVE TSSOP PW 14 90 Green (RoHS & CU NIPDA no Sb/Br) | Level-1-260C-UNLIM |
| SN74HC11PWR ACTIVE TSSOP PW 14 2000 Green (RoHS & CU NIPDA | AU Level-1-260C-UNLIM |

| Orderable Device | Status ⁽¹⁾ | Package Type | Package Drawing | Pins | Package Qty | Eco Plan ⁽²⁾ | Lead/Ball Finish | MSL Peak Temp ⁽³⁾ |
|------------------|-----------------------|-----------------|--------------------|------|----------------|----------------------------|------------------|------------------------------|
| | | | | | | no Sb/Br) | | |
| SN74HC11PWRE4 | ACTIVE | TSSOP | PW | 14 | 2000 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM |
| SN74HC11PWRG4 | ACTIVE | TSSOP | PW | 14 | 2000 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM |
| SN74HC11PWT | ACTIVE | TSSOP | PW | 14 | 250 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM |
| SN74HC11PWTE4 | ACTIVE | TSSOP | PW | 14 | 250 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM |
| SN74HC11PWTG4 | ACTIVE | TSSOP | PW | 14 | 250 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM |
| SNJ54HC11FK | ACTIVE | LCCC | FK | 20 | 1 | TBD | POST-PLATE | N / A for Pkg Type |
| SNJ54HC11J | ACTIVE | CDIP | J | 14 | 1 | TBD | A42 SNPB | N / A for Pkg Type |
| SNJ54HC11W | ACTIVE | CFP | W | 14 | 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.

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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.

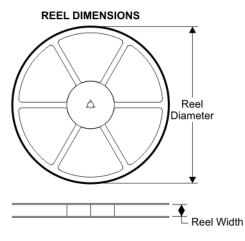
Green (RoHS & no Sb/Br): TI defines "Green" to mean Pb-Free (RoHS compatible), and free of Bromine (Br) and Antimony (Sb) based flame retardants (Br or Sb do not exceed 0.1% by weight in homogeneous material)

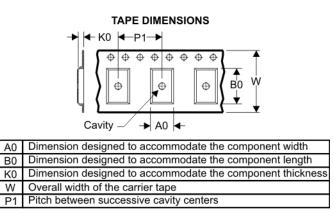
⁽³⁾ MSL, Peak Temp. -- The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.

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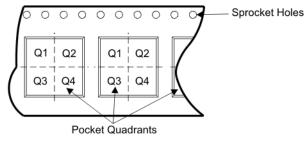
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TAPE AND REEL BOX INFORMATION





QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE

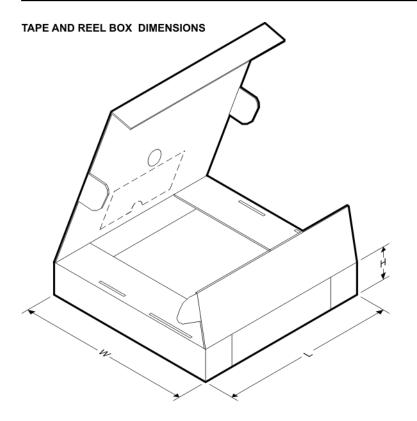


| Device | Package | Pins | Site | Reel Diameter (mm) | Reel Width (mm) | A0 (mm) | B0 (mm) | K0 (mm) | P1 (mm) | W (mm) | Pin1 Quadrant |
|-------------|---------|------|---------|--------------------------|-----------------------|---------|---------|---------|------------|-----------|------------------|
| SN74HC11DBR | DB | 14 | SITE 41 | 330 | 16 | 8.2 | 6.6 | 2.5 | 12 | 16 | Q1 |
| SN74HC11DR | D | 14 | SITE 27 | 330 | 16 | 6.5 | 9.0 | 2.1 | 8 | 16 | Q1 |
| SN74HC11DR | D | 14 | SITE 41 | 330 | 16 | 6.5 | 9.0 | 2.1 | 8 | 16 | Q1 |
| SN74HC11NSR | NS | 14 | SITE 41 | 330 | 16 | 8.2 | 10.5 | 2.5 | 12 | 16 | Q1 |
| SN74HC11PWR | PW | 14 | SITE 41 | 330 | 12 | 7.0 | 5.6 | 1.6 | 8 | 12 | Q1 |



PACKAGE MATERIALS INFORMATION

12-Jan-2008



| Device | Package | Pins | Site | Length (mm) | Width (mm) | Height (mm) |
|-------------|---------|------|---------|-------------|------------|-------------|
| SN74HC11DBR | DB | 14 | SITE 41 | 346.0 | 346.0 | 33.0 |
| SN74HC11DR | D | 14 | SITE 27 | 342.9 | 345.9 | 28.58 |
| SN74HC11DR | D | 14 | SITE 41 | 346.0 | 346.0 | 33.0 |
| SN74HC11NSR | NS | 14 | SITE 41 | 346.0 | 346.0 | 33.0 |
| SN74HC11PWR | PW | 14 | SITE 41 | 346.0 | 346.0 | 29.0 |

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.

W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



- 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 GDFP1-F14 and JEDEC MO-092AB



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



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.



D (R-PDSO-G14)

PLASTIC SMALL-OUTLINE PACKAGE



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

- B. This drawing is subject to change without notice.
- Body length does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not exceed .006 (0,15) per end.

Body width does not include interlead flash. Interlead flash shall not exceed .017 (0,43) per side.

E. Reference JEDEC MS-012 variation AB.



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.



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



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

