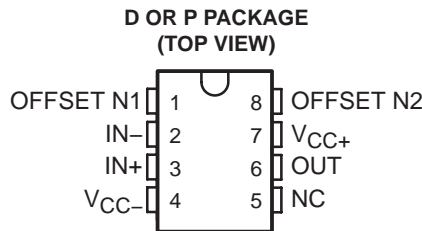


- **Low Noise**
- **No External Components Required**
- **Replace Chopper Amplifiers at a Lower Cost**
- **Wide Input-Voltage Range**
... 0 to ± 14 V Typ
- **Wide Supply-Voltage Range**
... ± 3 V to ± 18 V



NC – No internal connection

description/ordering information

These devices offer low offset and long-term stability by means of a low-noise, chopperless, bipolar-input-transistor amplifier circuit. For most applications, external components are not required for offset nulling and frequency compensation. The true differential input, with a wide input-voltage range and outstanding common-mode rejection, provides maximum flexibility and performance in high-noise environments and in noninverting applications. Low bias currents and extremely high input impedances are maintained over the entire temperature range. The OP07 is unsurpassed for low-noise, high-accuracy amplification of very-low-level signals.

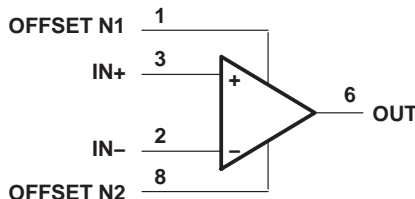
These devices are characterized for operation from 0°C to 70°C.

ORDERING INFORMATION

| T_A | PACKAGE† | | ORDERABLE PART NUMBER | TOP-SIDE MARKING |
|-------------|----------|--------------|-----------------------|------------------|
| 0°C to 70°C | PDIP (P) | Tube of 50 | OP07CP | OP07CP |
| | | Tube of 50 | OP07DP | OP07DP |
| | SOIC (D) | Tube of 75 | OP07CD | OP07C |
| | | Reel of 2500 | OP07CDR | |
| | | Tube of 75 | OP07DD | OP07D |
| | | Reel of 2500 | OP07DDR | |

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

symbol



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.

**TEXAS
INSTRUMENTS**

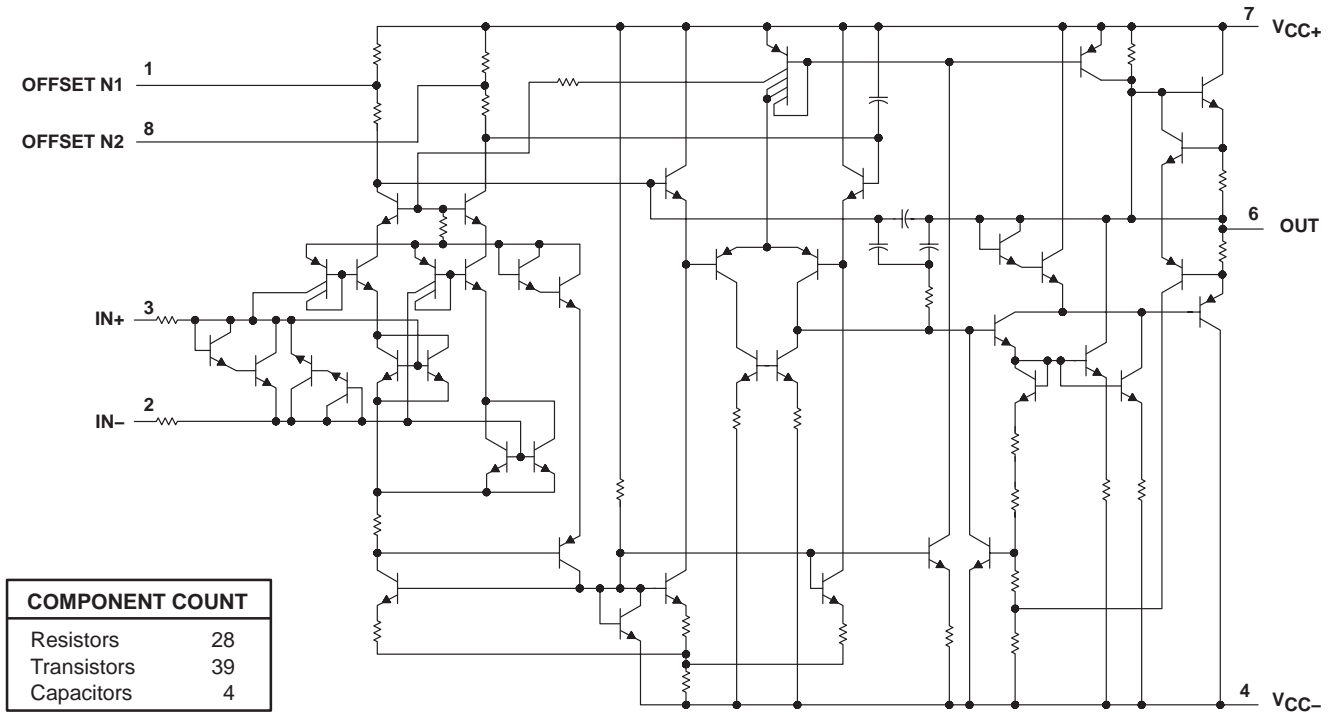
POST OFFICE BOX 655303 • DALLAS, TEXAS 75265

Copyright © 2004, Texas Instruments Incorporated

OP07C, OP07D PRECISION OPERATIONAL AMPLIFIERS

SLOS099E – OCTOBER 1983 – REVISED MAY 2004

schematic



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

| | |
|-------------------------------------------------------------------------|----------------|
| Supply voltage: V_{CC+} (see Note 1) | 22 V |
| V_{CC-} (see Note 1) | -22 V |
| Differential input voltage (see Note 2) | ± 30 V |
| Input voltage, V_I (either input, see Note 3) | ± 22 V |
| Duration of output short circuit (see Note 4) | Unlimited |
| Package thermal impedance, θ_{JA} (see Notes 5 and 6): D package | 97°C/W |
| P package | 85°C/W |
| Operating virtual junction temperature, T_J | 150°C |
| Lead temperature 1,6 mm (1/16 inch) from case for 10 seconds | 260°C |
| 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. All voltage values, unless otherwise noted, are with respect to the midpoint between V_{CC+} and V_{CC-} .

2. Differential voltages are at IN+ with respect to IN-.

3. The magnitude of the input voltage must never exceed the magnitude of the supply voltage or 15 V, whichever is less.

4. The output may be shorted to ground or to either power supply.

5. Maximum power dissipation is a function of $T_J(\max)$, θ_{JA} , and T_A . The maximum allowable power dissipation at any allowable ambient temperature is $P_D = (T_J(\max) - T_A)/\theta_{JA}$. Selecting the maximum of 150°C can affect reliability.

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

OP07C, OP07D PRECISION OPERATIONAL AMPLIFIERS

SLOS099E – OCTOBER 1983 – REVISED MAY 2004

recommended operating conditions

| | | | MIN | MAX | UNIT |
|-------------|--------------------------------|------------------------|---------|----------|------|
| $V_{CC\pm}$ | Supply voltage | | ± 3 | ± 18 | V |
| V_{IC} | Common-mode input voltage | $V_{CC\pm} = \pm 15$ V | -13 | 13 | V |
| T_A | Operating free-air temperature | | 0 | 70 | °C |

OP07C, OP97D PRECISION OPERATIONAL AMPLIFIERS

SLOS099E – OCTOBER 1983 – REVISED MAY 2004

electrical characteristics at specified free-air temperature, $V_{CC\pm} = \pm 15\text{ V}$ (unless otherwise noted)

| PARAMETER | TEST CONDITION† | TA | OP07C | | | OP07D | | | UNIT |
|-------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------|-------|-------|-----|-------|-------|-----|------------------------------|
| | | | MIN | TYP | MAX | MIN | TYP | MAX | |
| V_{IO} Input offset voltage | $V_O = 0$, $R_S = 50\ \Omega$ | 25°C | 60 | 150 | | 60 | 150 | | μV |
| $\alpha_{V_{IO}}$ Temperature coefficient of input offset voltage | $V_O = 0$, $R_S = 50\ \Omega$ | 0°C to 70°C | 85 | 250 | | 85 | 250 | | $\mu\text{V}/^\circ\text{C}$ |
| Long-term drift of input offset voltage | See Note 6 | 0°C to 70°C | 0.5 | 1.8 | | 0.7 | 2.5 | | $\mu\text{V}/^\circ\text{C}$ |
| Offset adjustment range | $R_S = 20\ \text{k}\Omega$, See Figure 1 | 25°C | ±4 | | | ±4 | | | mV |
| I_{IO} Input offset current | | 25°C | 0.8 | 6 | | 0.8 | 6 | | nA |
| $\alpha_{I_{IO}}$ Temperature coefficient of input offset current | | 0°C to 70°C | 1.6 | 8 | | 1.6 | 8 | | nA |
| I_{IB} Input bias current | | 0°C to 70°C | 12 | 50 | | 12 | 50 | | pA/°C |
| $\alpha_{I_{IB}}$ Temperature coefficient of input bias current | | 25°C | ±1.8 | ±7 | | ±2 | ±12 | | nA |
| V_{ICR} Common-mode input voltage range | | 0°C to 70°C | ±2.2 | ±9 | | ±3 | ±14 | | pA/°C |
| V_{OM} Peak output voltage | | 0°C to 70°C | 18 | 50 | | 18 | 50 | | pA/°C |
| | | 25°C | ±13 | ±14 | | ±13 | ±14 | | V |
| | | 0°C to 70°C | ±13 | ±13.5 | | ±13 | ±13.5 | | V |
| | | 25°C | ±12 | ±13 | | ±12 | ±13 | | V |
| A/D Large-signal differential voltage amplification | $R_L \geq 10\ \text{k}\Omega$ | 25°C | ±11.5 | ±12.8 | | ±11.5 | ±12.8 | | V |
| | $R_L \geq 2\ \text{k}\Omega$ | | ±12 | ±12.6 | | ±11 | ±12.6 | | V |
| | $R_L \geq 1\ \text{k}\Omega$ | | ±11 | ±12.6 | | ±11 | ±12.6 | | V |
| | $R_L \geq 2\ \text{k}\Omega$ | | ±11 | ±12.6 | | ±11 | ±12.6 | | V |
| B ₁ Unity-gain bandwidth | $V_{CC\pm} = \pm 3\text{ V}$, $V_O = \pm 0.5\text{ V}$, $R_L \geq 500\ \text{k}\Omega$ | 25°C | 100 | 400 | | 400 | | | V/mV |
| | $V_O = \pm 10\text{ V}$, $R_L = 2\ \text{k}\Omega$ | 25°C | 120 | 400 | | 120 | 400 | | V/mV |
| | | 0°C to 70°C | 100 | 400 | | 100 | 400 | | V/mV |
| r_i Input resistance | | 25°C | 0.4 | 0.6 | | 0.4 | 0.6 | | MHz |
| CMRR Common-mode rejection ratio | | 25°C | 8 | 33 | | 7 | 31 | | MΩ |
| | | 0°C to 70°C | 100 | 120 | | 94 | 110 | | dB |
| kSVS Supply-voltage sensitivity ($\Delta V_{IO}/\Delta V_{CC}$) | $V_{IC} = \pm 13\text{ V}$, $R_S = 50\ \Omega$ | 25°C | 97 | 120 | | 94 | 106 | | dB |
| | $V_{CC\pm} = \pm 3\text{ V}$ to $\pm 18\text{ V}$, $R_S = 50\ \Omega$ | 0°C to 70°C | 7 | 32 | | 7 | 32 | | $\mu\text{V}/\text{V}$ |
| P _D Power dissipation | $V_O = 0$, No load | 25°C | 10 | 51 | | 10 | 51 | | $\mu\text{V}/\text{V}$ |
| | $V_{CC\pm} = \pm 3\text{ V}$, $V_O = 0$, No load | | 80 | 150 | | 80 | 150 | | mW |

† All characteristics are measured under open-loop conditions, with zero common-mode input voltage, unless otherwise noted.

NOTE 7: Since long-term drift cannot be measured on the individual devices prior to shipment, this specification is not intended to be a warranty. It is an engineering estimate of the averaged trend line of drift versus time over extended periods after the first 30 days of operation.



operating characteristics, $V_{CC\pm} = \pm 15\text{ V}$, $T_A = 25^\circ\text{C}$

| PARAMETER | TEST CONDITION [†] | OP07C | OP07D | UNIT |
|---------------------------------------------------------|-------------------------------------|-------|-------|------------------------------|
| | | TYP | TYP | |
| V_n Equivalent input noise voltage | $f = 10\text{ Hz}$ | 10.5 | 10.5 | $\text{nV}/\sqrt{\text{Hz}}$ |
| | $f = 100\text{ Hz}$ | 10.2 | 10.3 | |
| | $f = 1\text{ kHz}$ | 9.8 | 9.8 | |
| $V_{N(PP)}$ Peak-to-peak equivalent input noise voltage | $f = 0.1\text{ Hz to }10\text{ Hz}$ | 0.38 | 0.38 | μV |
| I_n Equivalent input noise current | $f = 10\text{ Hz}$ | 0.35 | 0.35 | $\text{pA}/\sqrt{\text{Hz}}$ |
| | $f = 100\text{ Hz}$ | 0.15 | 0.15 | |
| | $f = 1\text{ kHz}$ | 0.13 | 0.13 | |
| $I_{N(PP)}$ Peak-to-peak equivalent input noise current | $f = 0.1\text{ Hz to }10\text{ Hz}$ | 15 | 15 | pA |
| SR Slew rate | $R_L \geq 2\text{ k}\Omega$ | 0.3 | 0.3 | $\text{V}/\mu\text{s}$ |

[†] All characteristics are measured under open-loop conditions, with zero common-mode input voltage, unless otherwise noted.

APPLICATION INFORMATION

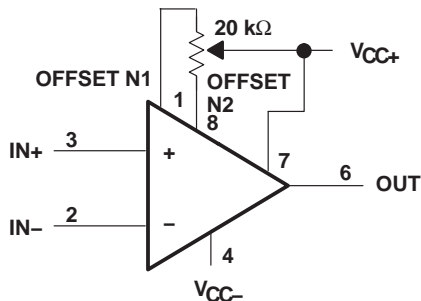


Figure 1. Input Offset-Voltage Null Circuit

PACKAGING INFORMATION

| Orderable Device | Status ⁽¹⁾ | Package Type | Package Drawing | Pins | Package Qty | Eco Plan ⁽²⁾ | Lead/ Ball Finish | MSL Peak Temp ⁽³⁾ | Samples (Requires Login) |
|------------------|-----------------------|--------------|-----------------|------|-------------|----------------------------|----------------------|------------------------------|-----------------------------|
| OP-07DPSR | ACTIVE | SO | PS | 8 | 2000 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP-07DPSRE4 | ACTIVE | SO | PS | 8 | 2000 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP-07DPSRG4 | ACTIVE | SO | PS | 8 | 2000 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07CD | ACTIVE | SOIC | D | 8 | 75 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07CDE4 | ACTIVE | SOIC | D | 8 | 75 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07CDG4 | ACTIVE | SOIC | D | 8 | 75 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07CDR | ACTIVE | SOIC | D | 8 | 2500 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07CDRE4 | ACTIVE | SOIC | D | 8 | 2500 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07CDRG4 | ACTIVE | SOIC | D | 8 | 2500 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07CP | ACTIVE | PDIP | P | 8 | 50 | Pb-Free (RoHS) | CU NIPDAU | N / A for Pkg Type | |
| OP07CPE4 | ACTIVE | PDIP | P | 8 | 50 | Pb-Free (RoHS) | CU NIPDAU | N / A for Pkg Type | |
| OP07DD | ACTIVE | SOIC | D | 8 | 75 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07DDE4 | ACTIVE | SOIC | D | 8 | 75 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07DDG4 | ACTIVE | SOIC | D | 8 | 75 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07DDR | ACTIVE | SOIC | D | 8 | 2500 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07DDRE4 | ACTIVE | SOIC | D | 8 | 2500 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07DDRG4 | ACTIVE | SOIC | D | 8 | 2500 | Green (RoHS & no Sb/Br) | CU NIPDAU | Level-1-260C-UNLIM | |
| OP07DP | ACTIVE | PDIP | P | 8 | 50 | Pb-Free (RoHS) | CU NIPDAU | 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⁾ | Samples (Requires Login) |
|------------------|-----------------------|--------------|-----------------|------|-------------|-------------------------|----------------------|------------------------------|-----------------------------|
| OP07DPE4 | ACTIVE | PDIP | P | 8 | 50 | Pb-Free (RoHS) | CU NIPDAU | 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.

OBSELETE: 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.

Important Information and Disclaimer: The information provided on this page represents TI's knowledge and belief as of the date that it is provided. TI bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy of such information. Efforts are underway to better integrate information from third parties. TI has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. TI and TI suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

In no event shall TI's liability arising out of such information exceed the total purchase price of the TI part(s) at issue in this document sold by TI to Customer on an annual basis.

TAPE AND REEL INFORMATION
REEL DIMENSIONS

TAPE DIMENSIONS


| | |
|----|-----------------------------------------------------------|
| A0 | Dimension designed to accommodate the component width |
| B0 | Dimension designed to accommodate the component length |
| K0 | Dimension designed to accommodate the component thickness |
| W | Overall width of the carrier tape |
| P1 | Pitch between successive cavity centers |

TAPE AND REEL INFORMATION

*All dimensions are nominal

| Device | Package Type | Package Drawing | Pins | SPQ | Reel Diameter (mm) | Reel Width W1 (mm) | A0 (mm) | B0 (mm) | K0 (mm) | P1 (mm) | W (mm) | Pin1 Quadrant |
|-----------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| OP-07DPSR | SO | PS | 8 | 2000 | 330.0 | 16.4 | 8.2 | 6.6 | 2.5 | 12.0 | 16.0 | Q1 |
| OP07CDR | SOIC | D | 8 | 2500 | 330.0 | 12.4 | 6.4 | 5.2 | 2.1 | 8.0 | 12.0 | Q1 |
| OP07DDR | SOIC | D | 8 | 2500 | 330.0 | 12.4 | 6.4 | 5.2 | 2.1 | 8.0 | 12.0 | Q1 |

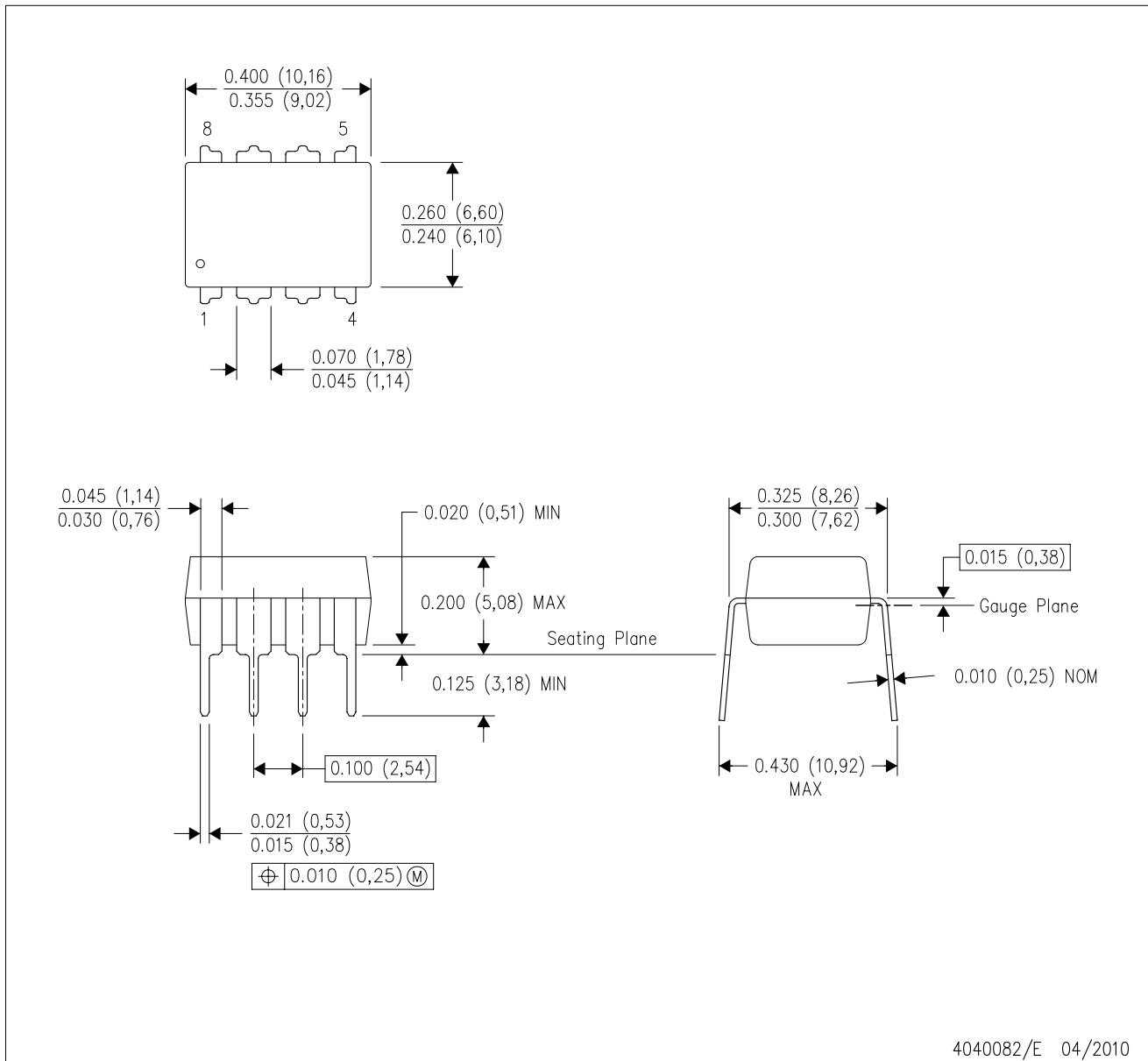
TAPE AND REEL BOX DIMENSIONS


*All dimensions are nominal

| Device | Package Type | Package Drawing | Pins | SPQ | Length (mm) | Width (mm) | Height (mm) |
|-----------|--------------|-----------------|------|------|-------------|------------|-------------|
| OP-07DPSR | SO | PS | 8 | 2000 | 367.0 | 367.0 | 38.0 |
| OP07CDR | SOIC | D | 8 | 2500 | 340.5 | 338.1 | 20.6 |
| OP07DDR | SOIC | D | 8 | 2500 | 340.5 | 338.1 | 20.6 |

P (R-PDIP-T8)

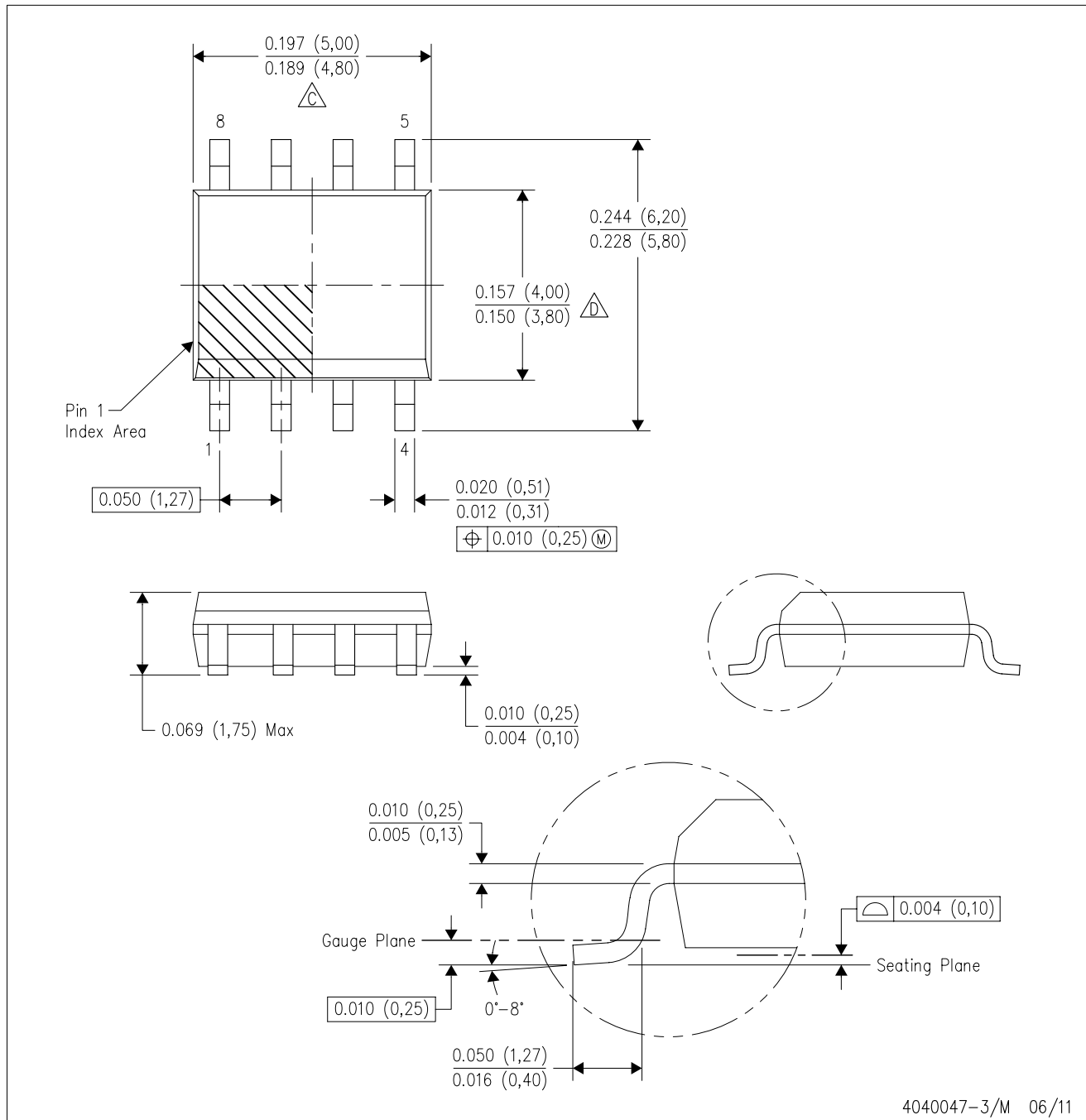
PLASTIC DUAL-IN-LINE PACKAGE



- NOTES:
- A. All linear dimensions are in inches (millimeters).
 - B. This drawing is subject to change without notice.
 - C. Falls within JEDEC MS-001 variation BA.

D (R-PDSO-G8)

PLASTIC SMALL OUTLINE

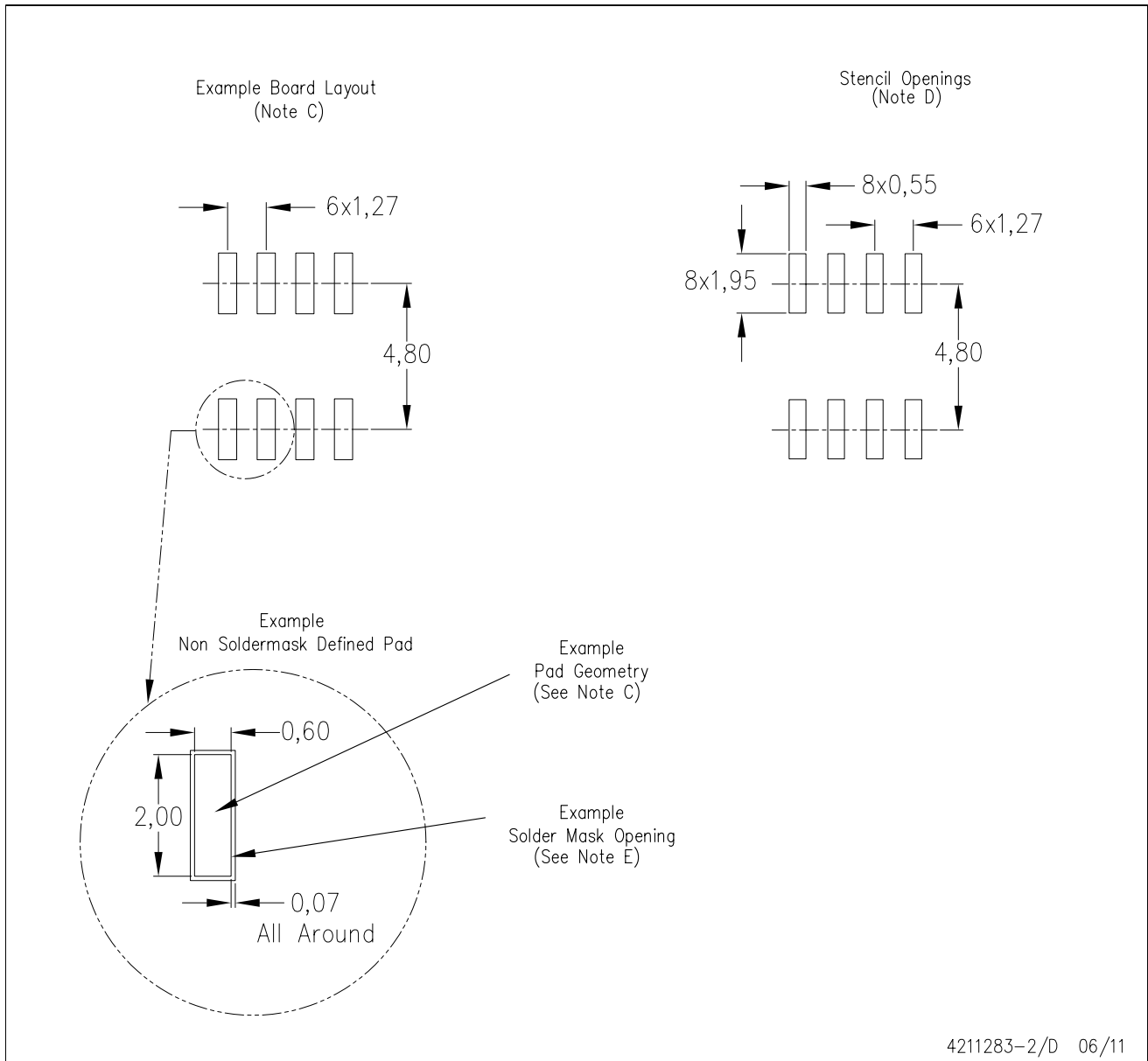


4040047-3/M 06/11

- NOTES:
- A. All linear dimensions are in inches (millimeters).
 - B. This drawing is subject to change without notice.
 - $\triangle C$ Body length does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not exceed 0.006 (0,15) each side.
 - $\triangle D$ Body width does not include interlead flash. Interlead flash shall not exceed 0.017 (0,43) each side.
 - E. Reference JEDEC MS-012 variation AA.

D (R-PDSO-G8)

PLASTIC SMALL OUTLINE

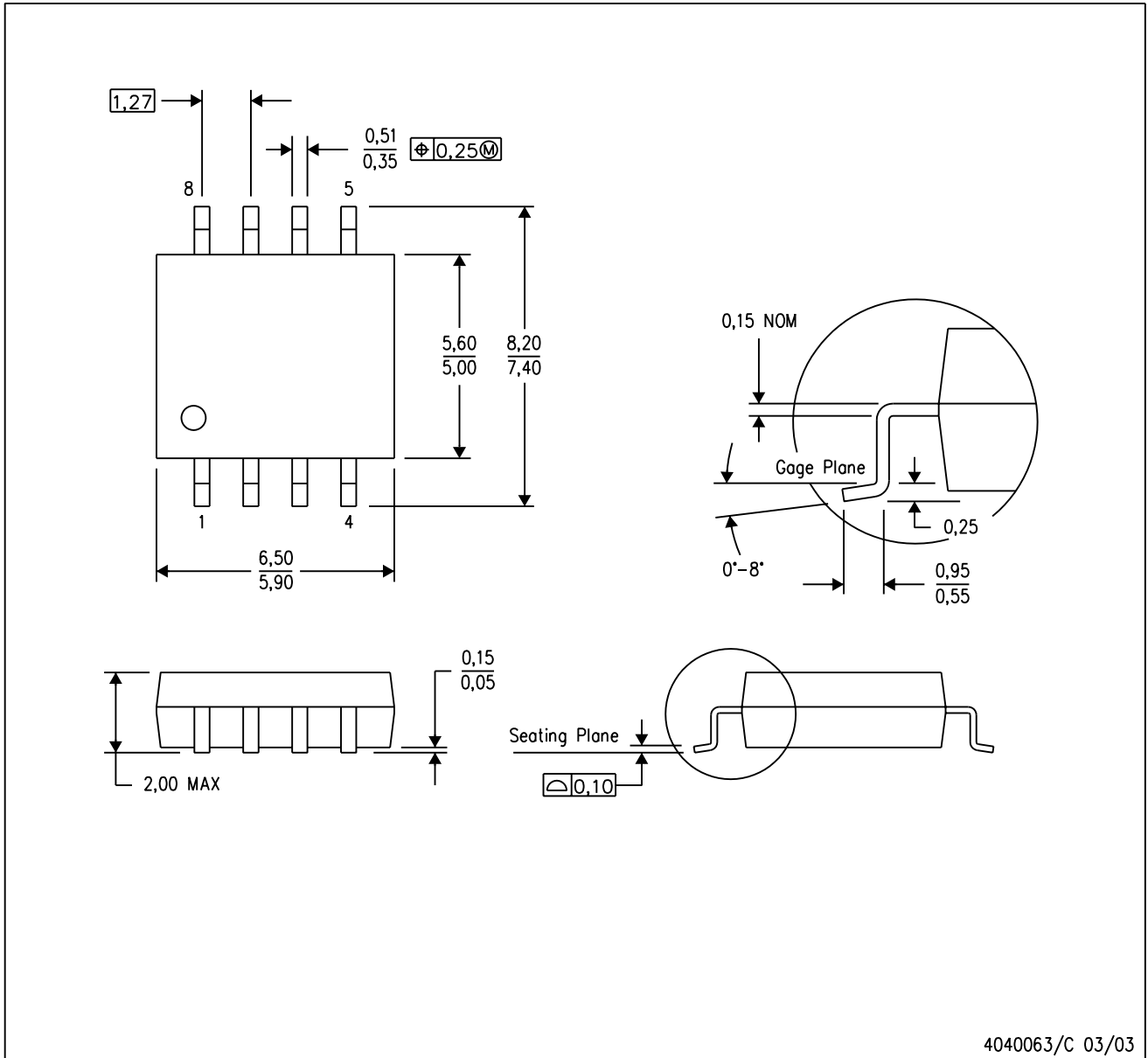


- NOTES:
- All linear dimensions are in millimeters.
 - This drawing is subject to change without notice.
 - Publication IPC-7351 is recommended for alternate designs.
 - Laser cutting apertures with trapezoidal walls and also rounding corners will offer better paste release. Customers should contact their board assembly site for stencil design recommendations. Refer to IPC-7525 for other stencil recommendations.
 - Customers should contact their board fabrication site for solder mask tolerances between and around signal pads.

MECHANICAL DATA

PS (R-PDSO-G8)

PLASTIC SMALL-OUTLINE PACKAGE



- 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.

IMPORTANT NOTICE

Texas Instruments Incorporated and its subsidiaries (TI) reserve the right to make corrections, enhancements, improvements and other changes to its semiconductor products and services per JESD46C and to discontinue any product or service per JESD48B. Buyers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. All semiconductor products (also referred to herein as "components") are sold subject to TI's terms and conditions of sale supplied at the time of order acknowledgment.

TI warrants performance of its components to the specifications applicable at the time of sale, in accordance with the warranty in TI's terms and conditions of sale of semiconductor products. Testing and other quality control techniques are used to the extent TI deems necessary to support this warranty. Except where mandated by applicable law, testing of all parameters of each component is not necessarily performed.

TI assumes no liability for applications assistance or the design of Buyers' products. Buyers are responsible for their products and applications using TI components. To minimize the risks associated with Buyers' products and applications, Buyers should provide adequate design and operating safeguards.

TI does not warrant or represent that any license, either express or implied, is granted under any patent right, copyright, mask work right, or other intellectual property right relating to any combination, machine, or process in which TI components or services are used. Information published by TI regarding third-party products or services does not constitute a license to use such products or services or a warranty or endorsement thereof. Use of such information may require a license from a third party under the patents or other intellectual property of the third party, or a license from TI under the patents or other intellectual property of TI.

Reproduction of significant portions of TI information in TI data books or data sheets is permissible only if reproduction is without alteration and is accompanied by all associated warranties, conditions, limitations, and notices. TI is not responsible or liable for such altered documentation. Information of third parties may be subject to additional restrictions.

Resale of TI components or services with statements different from or beyond the parameters stated by TI for that component or service voids all express and any implied warranties for the associated TI component or service and is an unfair and deceptive business practice. TI is not responsible or liable for any such statements.

Buyer acknowledges and agrees that it is solely responsible for compliance with all legal, regulatory and safety-related requirements concerning its products, and any use of TI components in its applications, notwithstanding any applications-related information or support that may be provided by TI. Buyer represents and agrees that it has all the necessary expertise to create and implement safeguards which anticipate dangerous consequences of failures, monitor failures and their consequences, lessen the likelihood of failures that might cause harm and take appropriate remedial actions. Buyer will fully indemnify TI and its representatives against any damages arising out of the use of any TI components in safety-critical applications.

In some cases, TI components may be promoted specifically to facilitate safety-related applications. With such components, TI's goal is to help enable customers to design and create their own end-product solutions that meet applicable functional safety standards and requirements. Nonetheless, such components are subject to these terms.

No TI components are authorized for use in FDA Class III (or similar life-critical medical equipment) unless authorized officers of the parties have executed a special agreement specifically governing such use.

Only those TI components which TI has specifically designated as military grade or "enhanced plastic" are designed and intended for use in military/aerospace applications or environments. Buyer acknowledges and agrees that any military or aerospace use of TI components which have **not** been so designated is solely at the Buyer's risk, and that Buyer is solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI has specifically designated certain components which meet ISO/TS16949 requirements, mainly for automotive use. Components which have not been so designated are neither designed nor intended for automotive use; and TI will not be responsible for any failure of such components to meet such requirements.

Products

| | |
|------------------------|--------------------------------------------------------------------------------------|
| Audio | www.ti.com/audio |
| Amplifiers | amplifier.ti.com |
| Data Converters | dataconverter.ti.com |
| DLP® Products | www.dlp.com |
| DSP | dsp.ti.com |
| Clocks and Timers | www.ti.com/clocks |
| Interface | interface.ti.com |
| Logic | logic.ti.com |
| Power Mgmt | power.ti.com |
| Microcontrollers | microcontroller.ti.com |
| RFID | www.ti-rfid.com |
| OMAP Mobile Processors | www.ti.com/omap |
| Wireless Connectivity | www.ti.com/wirelessconnectivity |

Applications

| | |
|-------------------------------|------------------------------------------------------------------------------------------|
| Automotive and Transportation | www.ti.com/automotive |
| Communications and Telecom | www.ti.com/communications |
| Computers and Peripherals | www.ti.com/computers |
| Consumer Electronics | www.ti.com/consumer-apps |
| Energy and Lighting | www.ti.com/energy |
| Industrial | www.ti.com/industrial |
| Medical | www.ti.com/medical |
| Security | www.ti.com/security |
| Space, Avionics and Defense | www.ti.com/space-avionics-defense |
| Video and Imaging | www.ti.com/video |

TI E2E Community e2e.ti.com