- Package Options Include Plastic and Ceramic DIPs and Ceramic Flat Packages
- Dependable Texas Instruments Quality and Reliability

description

These devices contain dual 4-input positive NOR gates with strobe. They perform the Boolean function:

$$Y = \overline{G(A+B+C+D)}$$
(with 1X and 1 \overline{X} of '23 left open).

The SN5423 and the SN5425 are characterized for operation over the full military temperature range of $-55\,^{\circ}\text{C}$ to 125 $^{\circ}\text{C}$. The SN7423 and the SN7425 are characterized for operation from 0 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$.

FUNCTION TABLE

	U	NPU1		OUTPUT	
A	В	С	D	G	Y
Н	×	×	×	н	L
x	Н	X	Х	н	L
x	X	Н	×	Н	L
x	X	х	Н	Н	L
L	L	L	L	х	н
×	×	х	×	L	н

Expander inputs are open,
H = high level, L = low level, X = irrelevant

SN5423 . . . J OR W PACKAGE SN7423 . . . N PACKAGE (TOP VIEW)

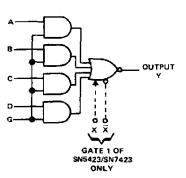
1X [ſī	U ₁₆	D2v ∐
1A [12	15	□ 1X
1B [3	14:] 2D
1G 🛚]4	13] 2C
1C [5	12] 2G
1D [6	11] 2B
1Y [7	10] 2A
GND [8	9	_ 2Y

SN5425 . . . J OR W PACKAGE SN7425 . . . N PACKAGE

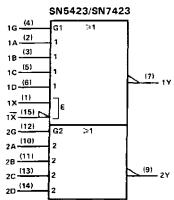
(TOP VIEW)

1Α 🗆	1	U 14	D ∨cc
1B 🗀	2	13	2D
1G 🗆	3	12]2C
1C 🖂	4	11] 2G
1D 🗆	5	10] 2B
1Y 🛚	6	9	2A
GND ☐	7	8	2Y

logic diagram



logic symbols†



1A (11) 1B (21) 1C (4) 1D (5) 2G (11) 2A (9) 2B (101) 2 (8) 2Y

SN5425/SN7425

(3)

(12)

2C -1127

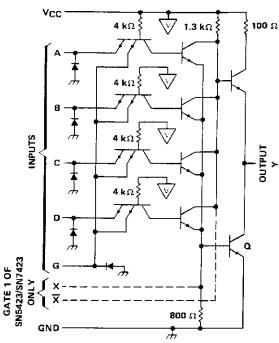
PRODUCTION DATA documents contain information current as of publication date. Products conform to specifications per the terms of Texas Instruments standard warranty. Production processing does not necessarily include testing of all parameters.



 $^{^{\}dagger}$ These symbols are in accordance with ANSI/IEEE Std. 91-1984 and IEC Publication 617-12. Pin numbers are for J, N, or W packages.

SN5423, SN5425, SN7423, SNSN7425 DUAL 4-INPUT NOR GATES WITH STROBE

schematic (each gate)



NOTES: A. Component values shown are nominal.

- B. Both expander inputs are used simultaneously for expanding.
- C. If expander is not used leave X and X open.
- D. A total of four expander gates can be connected to the expander inputs.

VCC bus

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

Supply voltage VCC (see Note 1)		7 V
Input voltage (see Note 1)		5.5 V
Operating free-air temperature range	: SN5423, SN5425 Circuits	– 55°C to 125°C
	SN7423, SN7425 Circuits	0°C to 70°C
Storage temperature range		- 65°C to 150°C

NOTES: 1. Voltage values, except interemitter voltage, are with respect to network ground terminal.

2. This is the voltage between two emitters of a multiple-emitter transistor.

recommended operating conditions

			'23 , '25			UNIT	
			MIN	NOM	MAX	UNII	
		54 Family	4.5	5	5.5	V	
v _{cc} s	Supply voltage	74 Family	4.75	5	5.25		
VIH	High-level input voltage		2			v	
VIL	Low-level input voltage				0.8	٧	
Іон	High-level output current		1		- 0.8	mA	
		54 Family			16	^	
OL	Low-level output current	74 Family			16	mA	
_		54 Family	- 55		125	°c	
T_A	Operating free-air temperature range	74 Family	0		70		

The '23 is designed for use with up to four '60 expanders.



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

PAF	RAMETER		TEST CONDITIONS [†]						UNIT
VI		V _{CC} = MIN,	I _I = — 12 mA					– 1.5	V
Voн		V _{CC} = MIN,	V _{IL} = 0.8 V,	Am 8.0 - = HOI		2.4	3.4		V
VOL		V _{CC} = MIN,	V _{IH} = 2 V,	I _{OL} = 16 mA			0.2	0.4	. ٧
l _l		V _{CC} = MAX,	V1 = 5.5 V					1	mΑ
	data inputs	V _{CC} = MAX,	V ₁ = 2.4 V					40	μΑ
³IH	strobe inputs	VCC - WAA,	V - 2.4 V				160	#-	
	data inputs	Van - MAY	V _{CC} = MAX, V ₁ = 0.4 V					1.6	mΑ
ŊĽ	strobe inputs	VCC - MAX,					- 6.4		
		\/ - MAY			54 Family	- 20		- 55	
los§		V _{CC} = MAX			74 Family	- 18		– 55	mA
ССН		V _{CC} = MAX,	All inputs at 0	v			8	16	mΑ
CCL		V _{CC} = MAX,	All inputs at 5	V			10	19	mΑ

[†] For conditions shown as MIN or MAX, use the appropriate value specified under recommended operating conditions for the applicable device type. Expander inputs X and \overline{X} are open.

electrical characteristics (SN5423 circuits) using expander inputs, $V_{CC} = 4.5 \text{ V}$, $T_A = -55^{\circ}\text{C}$

	PARAMETER	TEST	CONDITIONS		MIN	TYP	MAX	UNIT
١x̄	Expander current	V _X x = 0.4 V,	I _{OL} = 16 mA				- 3.5	mΑ
V _{BE(Q)}	Base-Emitter voltage of output transistor (Q)	I _{OL} = 16 mA,	$I_X + I_X^{-} = 0.41 \text{ mA},$	$R_{X}\overline{X} = 0$			1.1	٧
VOH	High-level output voltage	1 _{OH} = - 0.4 mA,	I _X = 0.15 mA,	I ▼ = - 0.15 mA	2.4	3.4		V
VoL	Low-level output voltage	I _{OL} = 16 mA,	$I_X + I_{\overline{X}} = 0.3 \text{ mA},$	$R_{X}\overline{X} = 114 \Omega$		0.2	0.4	V

electrical characteristics (SN7423 circuits) using expander inputs, $V_{CC} = 4.75 \text{ V}$, $T_A = 0^{\circ}\text{C}$

	PARAMETER	TEST	MIN	TYP	MAX	UNIT		
1 X	Expander current	V _X \overline{\overline{\chi}} = 0.4 \overline{\chi} ,	I _{OL} = 16 mA				- 3.8	mΑ
VBE(Q)	Base-Emitter voltage of output transistor (Q)	I _{OL} = 16 mA,	I _X + I _X = 0.62 mA,	$H_{X}\overline{X} = 0$			1	٧
Voн	High-level output voltage	I _{OH} = - 0.4 mA,	I _X = 0.27 mA,	1 √ = - 0.27 mA	2.4	3.4		V
VOL	Low-level output voltage	IOL= 16 mA,	$1_{X} + 1_{X}^{-} = 0.43 \text{ mA},$	$H_{XX} = 130 \Omega$		0.2	0.4	· V

[†] All typical values are at V_{CC} = 5 V, T_A = 25°C.

switching characteristics, $V_{CC} = 5 \text{ V}$, $T_A = 25^{\circ}\text{C}$, N = 10, (see note 3)

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
tPLH .	$R_L = 400 \Omega$, $C_L = 15 pF$		13	22	nş
tPHL	$R_L = 400 \Omega$, $C_L = 15 \rho F$		8	15	ns

NOTE 3: Switching characteristics of the SN5423 and SN7424 are tested with the expander pins open.

[‡] All typical values are at V_{CC} = 5 V, T_A = 25°C. § Not more than one output should be shorted at a time.





PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finisl	n MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42 SNPB	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42 SNPB	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42 SNPB	N / A for Pkg Type
SN5423J	ACTIVE	CDIP	J	16	1	TBD	A42 SNPB	N / A for Pkg Type
SN5423J	ACTIVE	CDIP	J	16	1	TBD	A42 SNPB	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42 SNPB	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42 SNPB	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	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.

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)

⁽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.

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



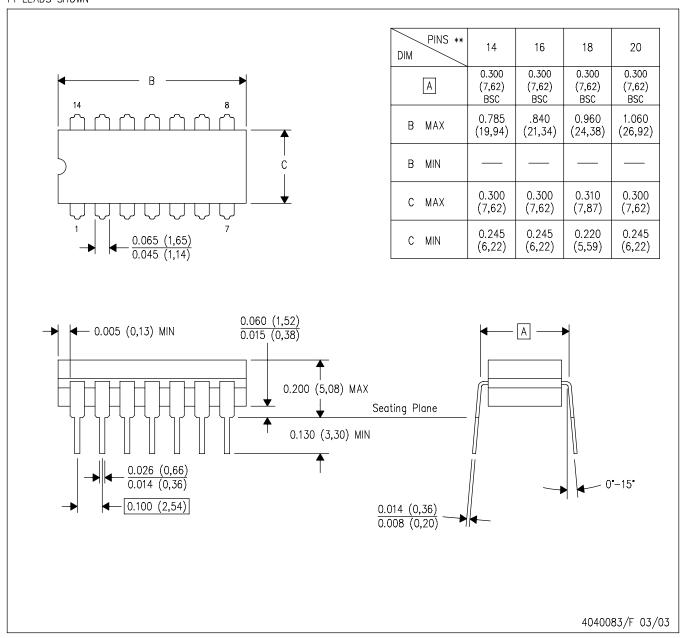
6-Dec-2006

temperature.

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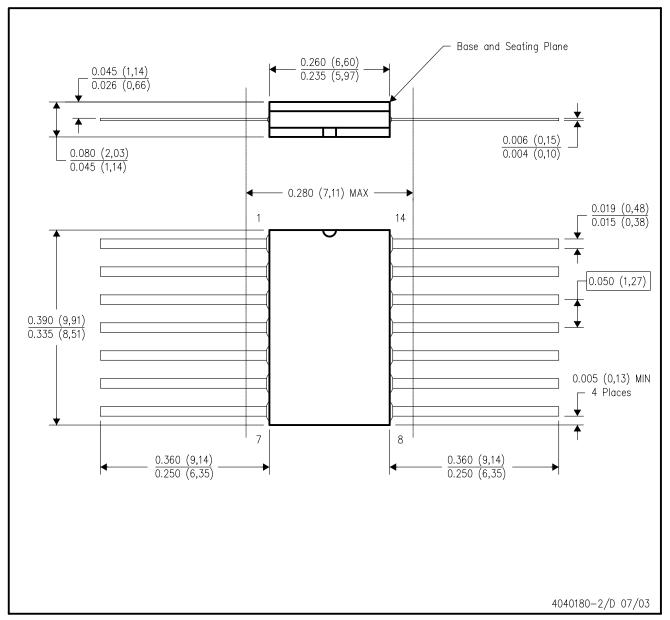
14 LEADS SHOWN



- 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



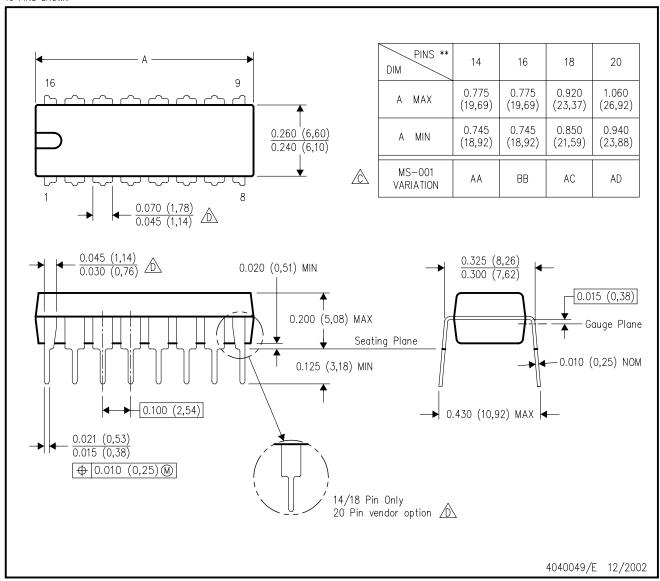
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- B. This drawing is subject to change without notice.
- C. This package can be hermetically sealed with a ceramic lid using glass frit.
- D. Index point is provided on cap for terminal identification only.
- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

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5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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

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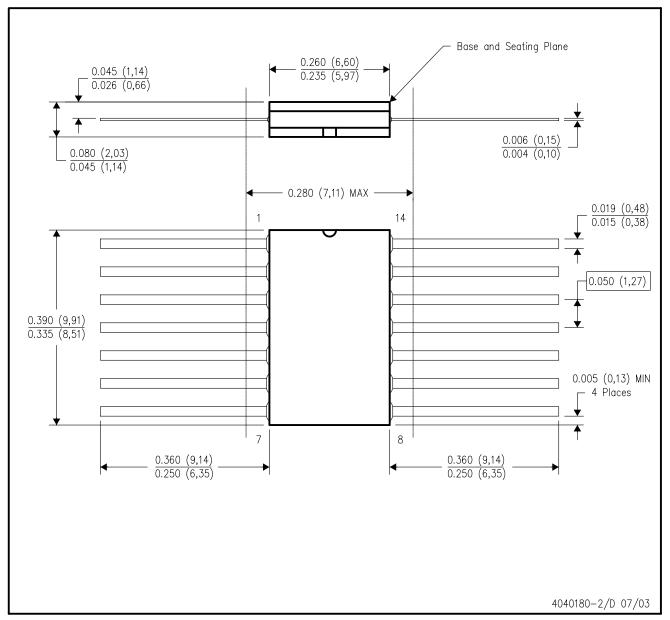
14 LEADS SHOWN



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- 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



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- D. Index point is provided on cap for terminal identification only.
- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
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SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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(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.

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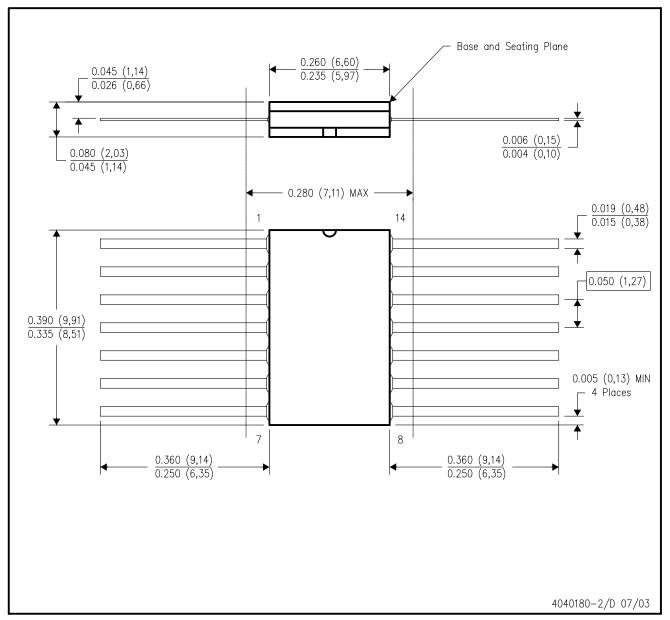
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- C. This package is hermetically sealed with a ceramic lid using glass frit.
- D. Index point is provided on cap for terminal identification only on press ceramic glass frit seal only.
- E. Falls within MIL STD 1835 GDIP1-T14, GDIP1-T16, GDIP1-T18 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



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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

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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.

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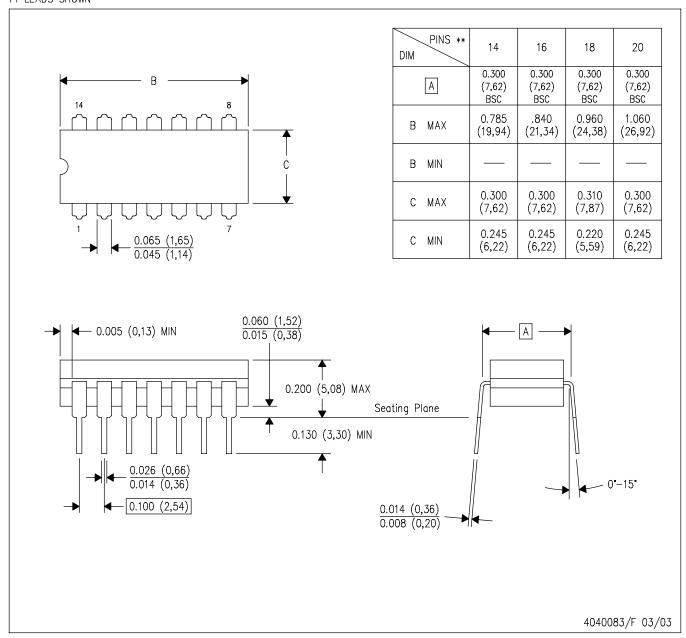


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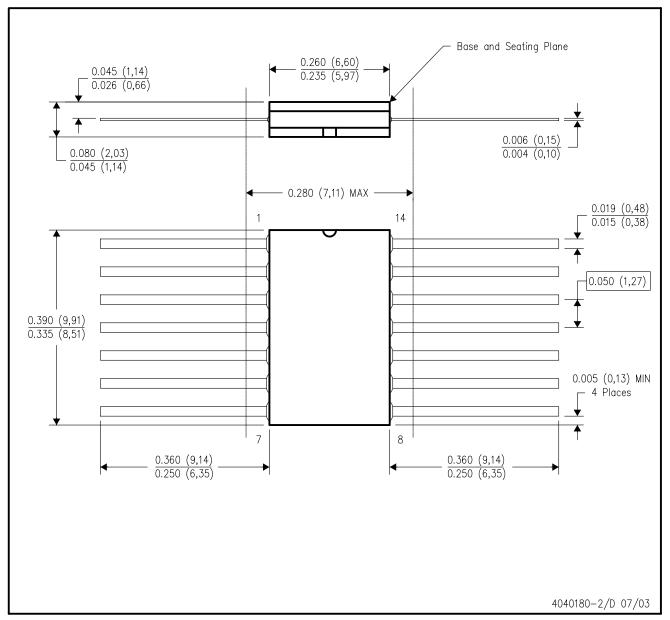
14 LEADS SHOWN



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- E. Falls within MIL STD 1835 GDIP1-T14, GDIP1-T16, GDIP1-T18 and GDIP1-T20.

W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



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- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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

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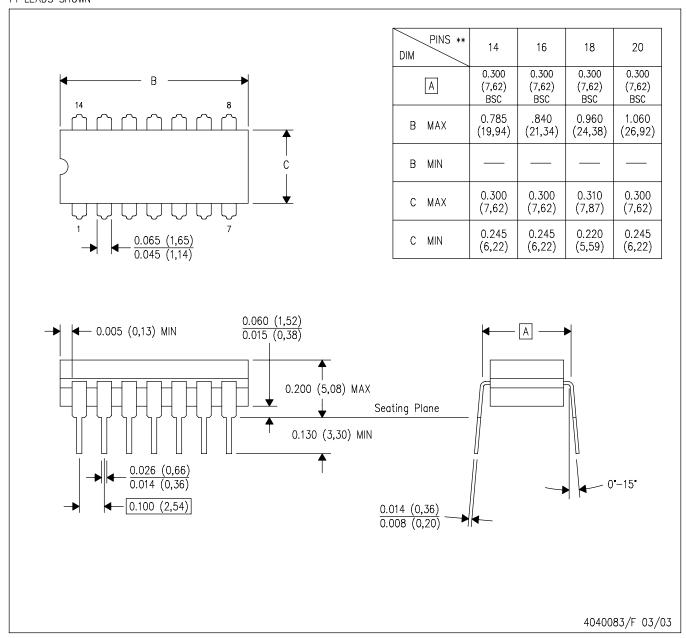


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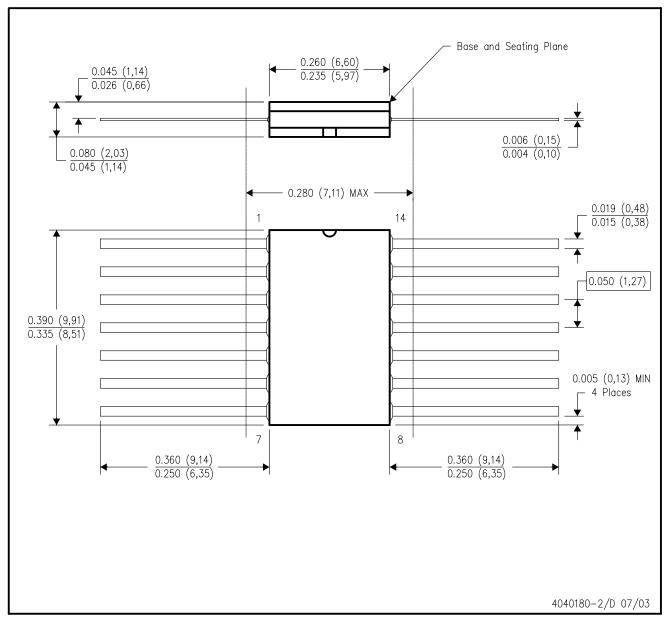
14 LEADS SHOWN



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- 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



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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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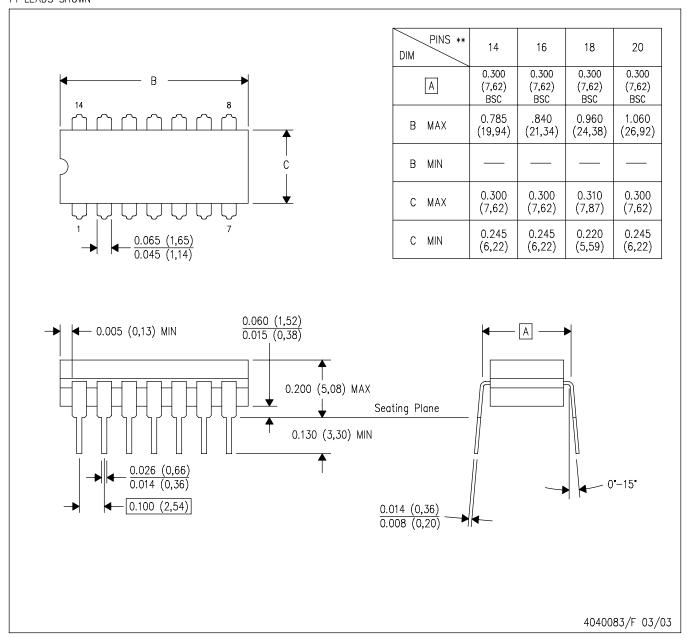


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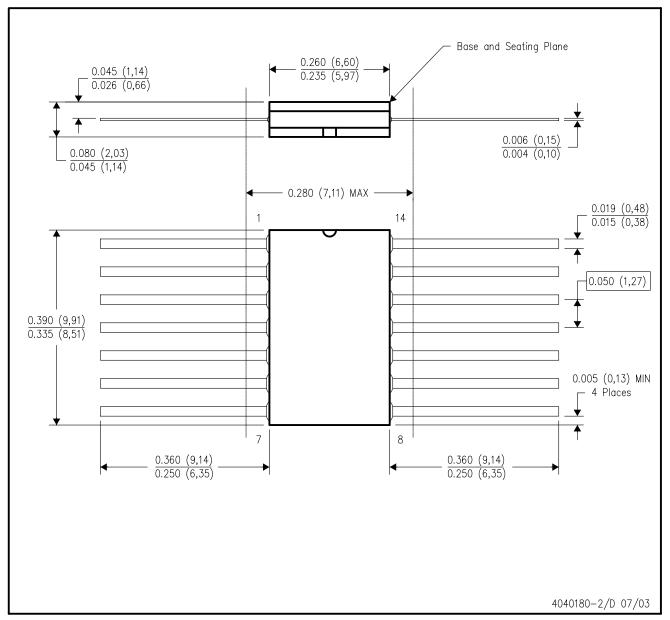
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
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PACKAGING INFORMATION

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SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
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SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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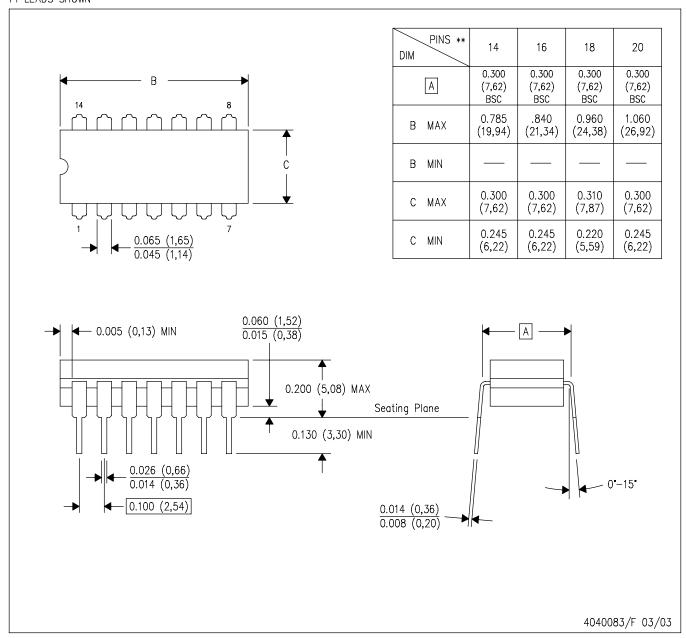


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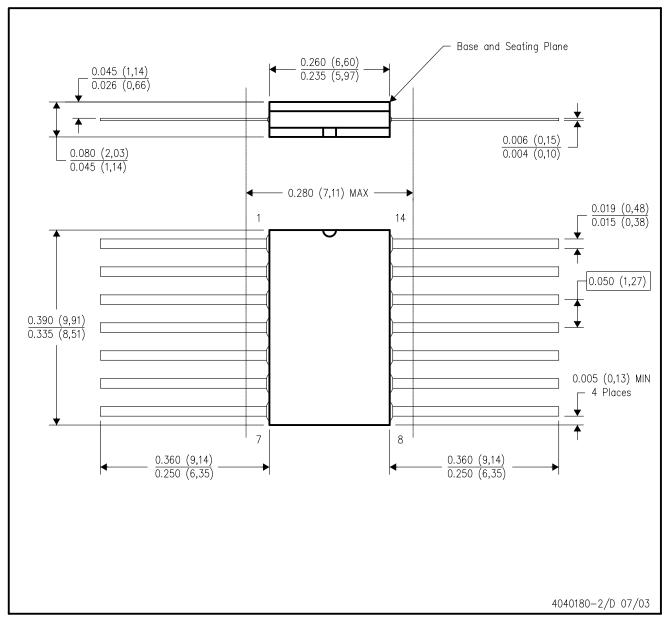
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CERAMIC DUAL FLATPACK



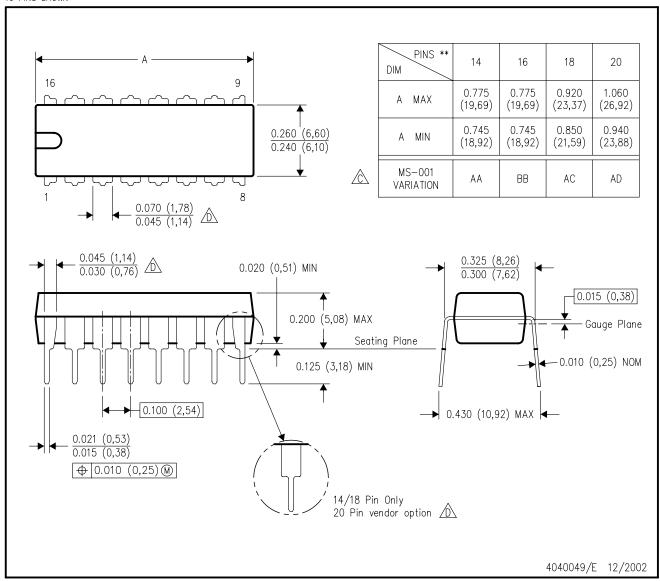
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
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Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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

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

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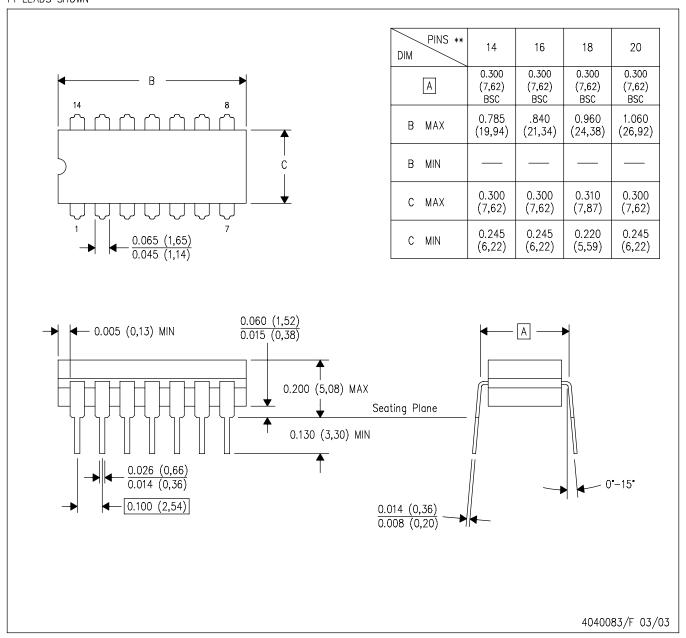


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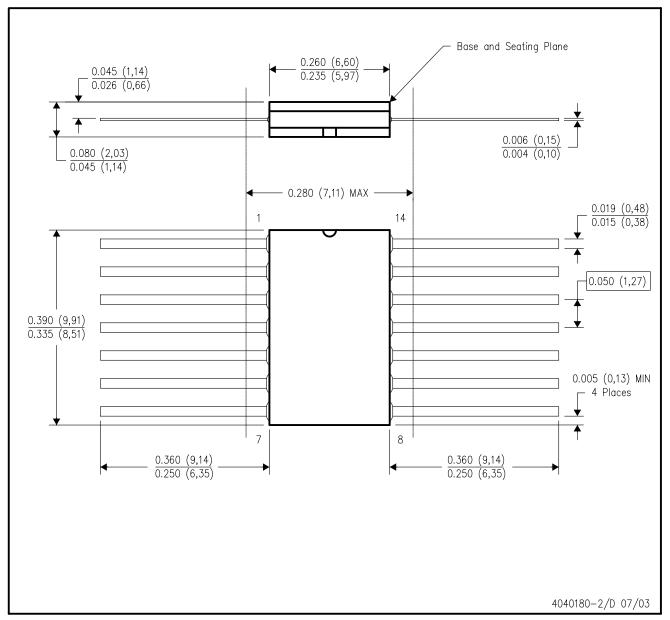
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14 LEADS SHOWN



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- B. This drawing is subject to change without notice.
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- 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.

CERAMIC DUAL FLATPACK



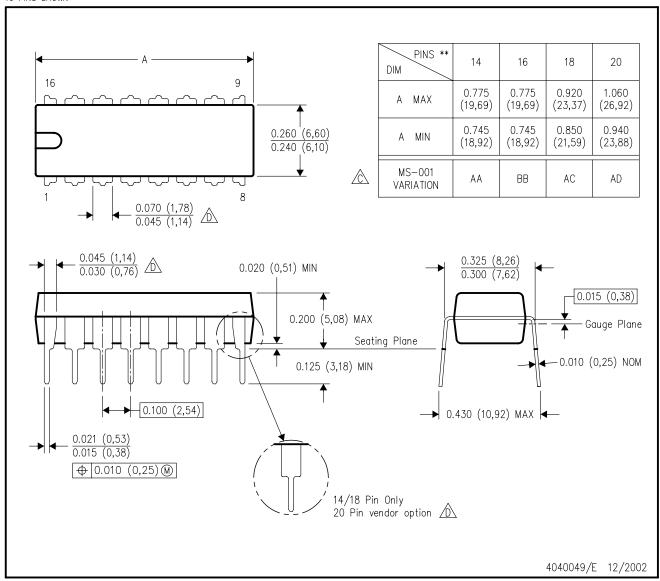
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- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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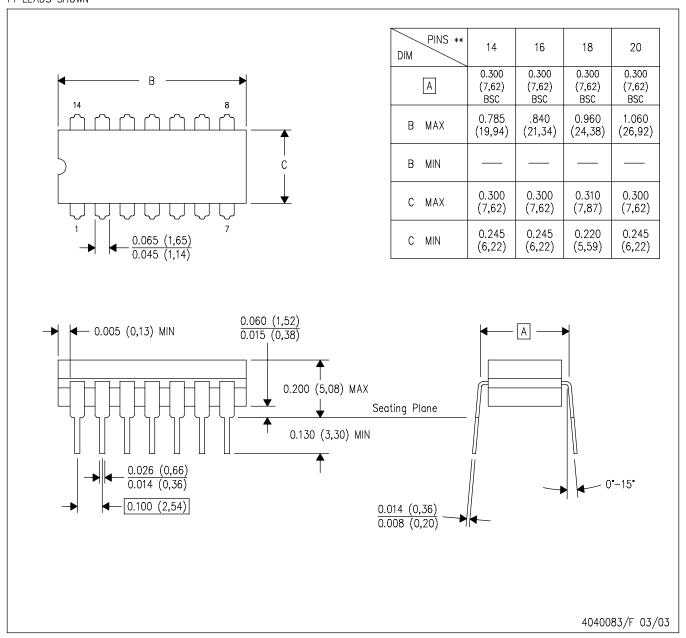


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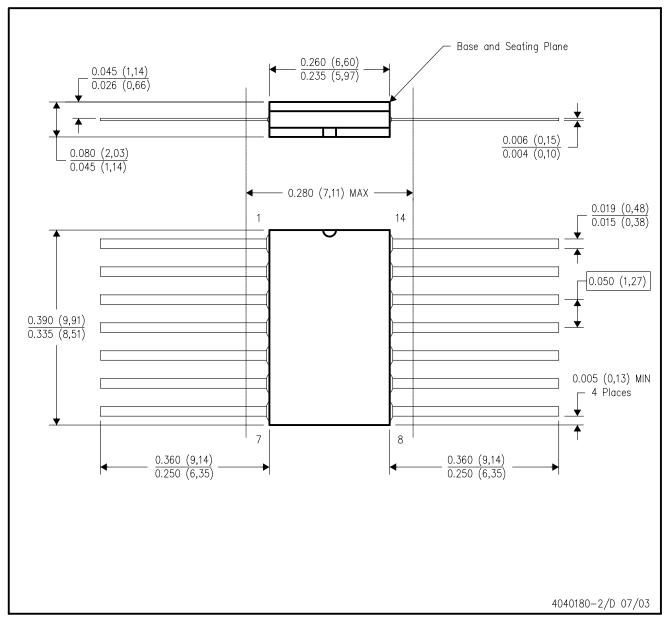
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14 LEADS SHOWN



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- 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.

CERAMIC DUAL FLATPACK



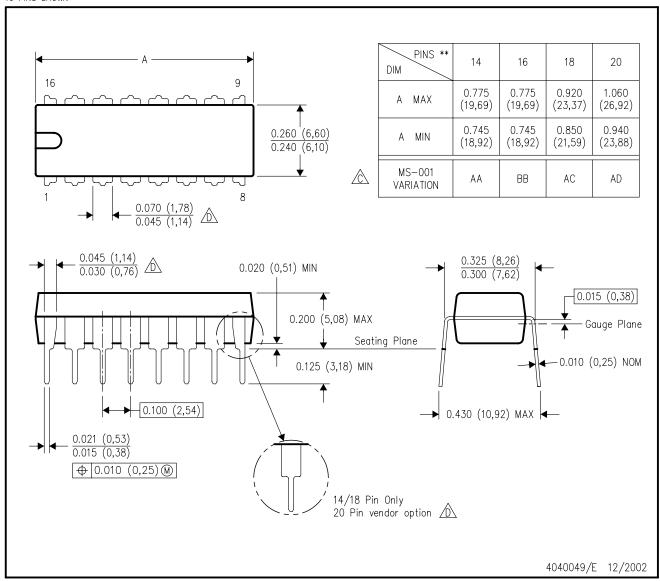
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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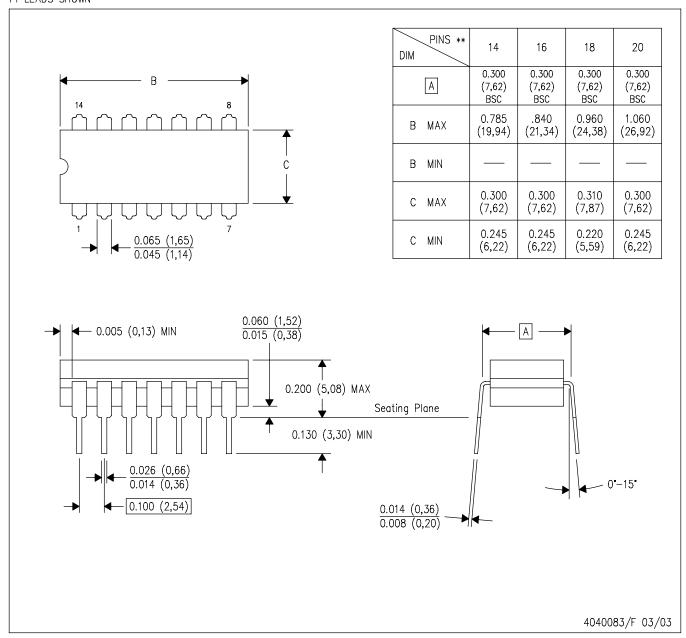


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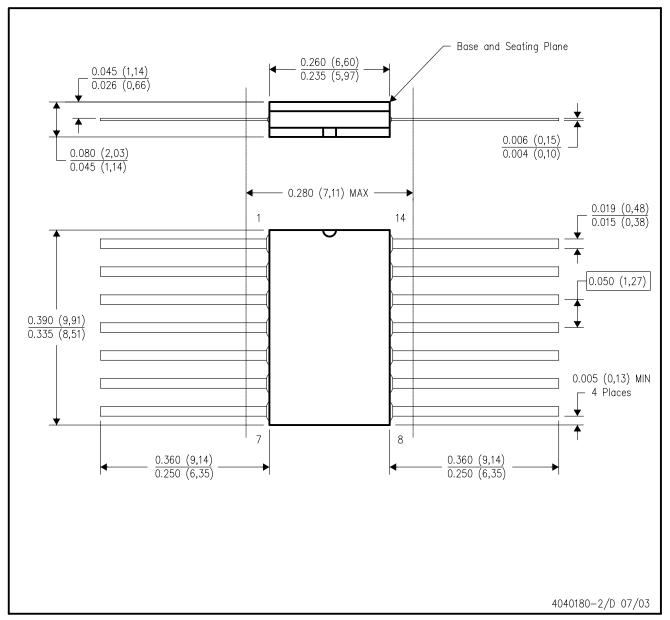
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CERAMIC DUAL FLATPACK



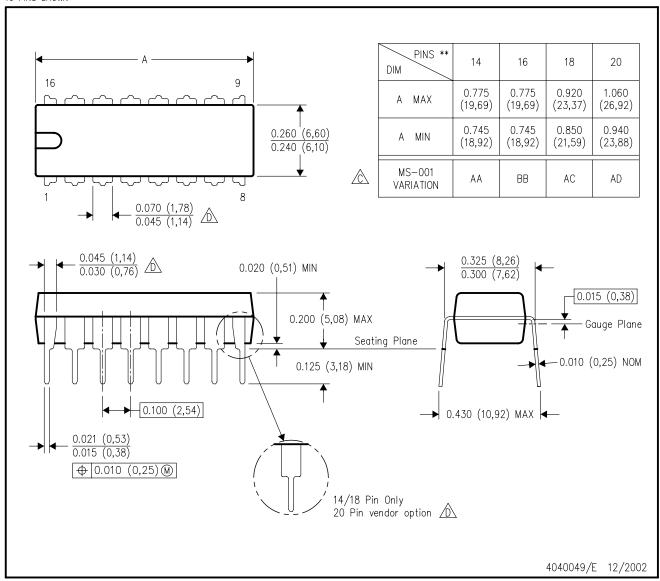
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
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PACKAGING INFORMATION

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SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
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SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
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SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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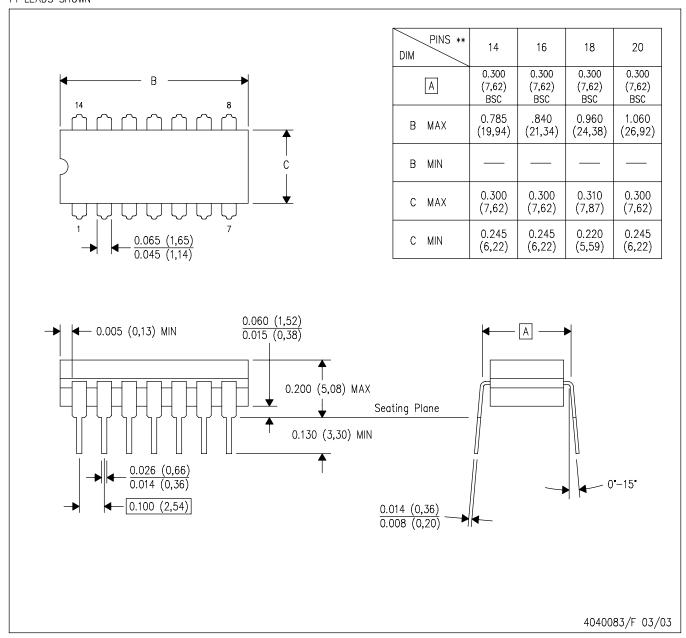


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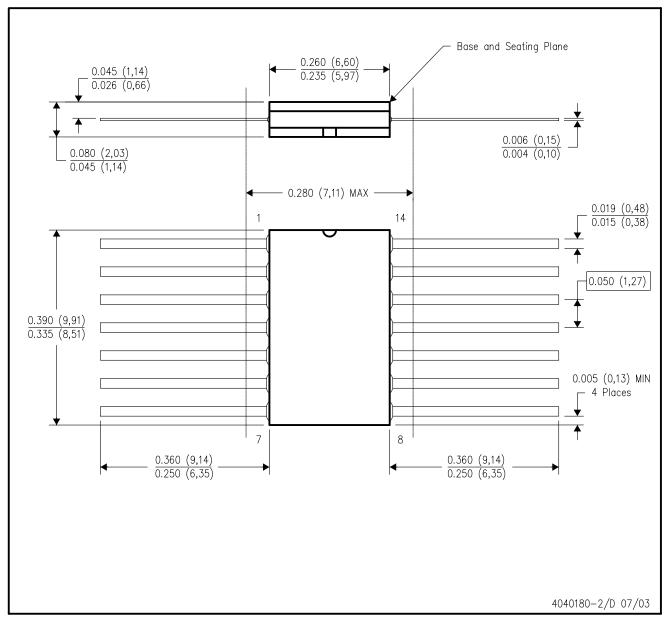
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CERAMIC DUAL FLATPACK



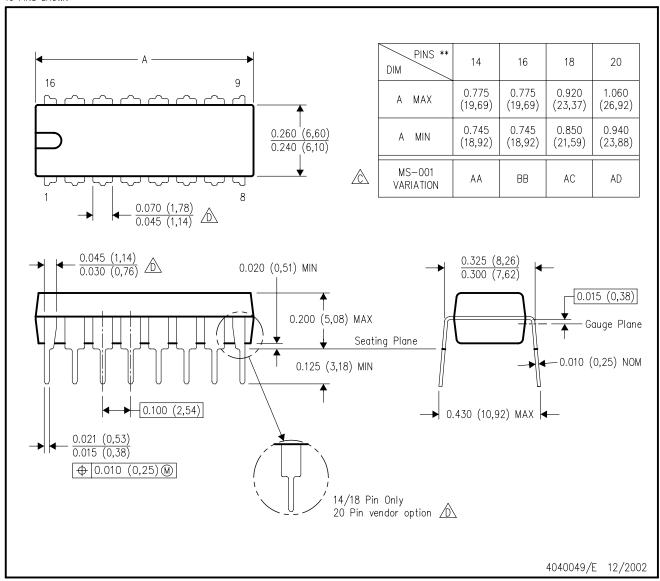
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



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SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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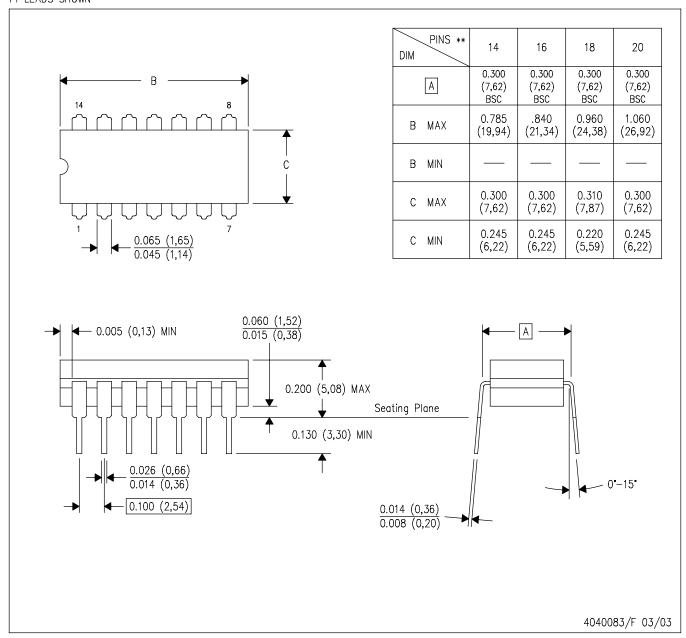


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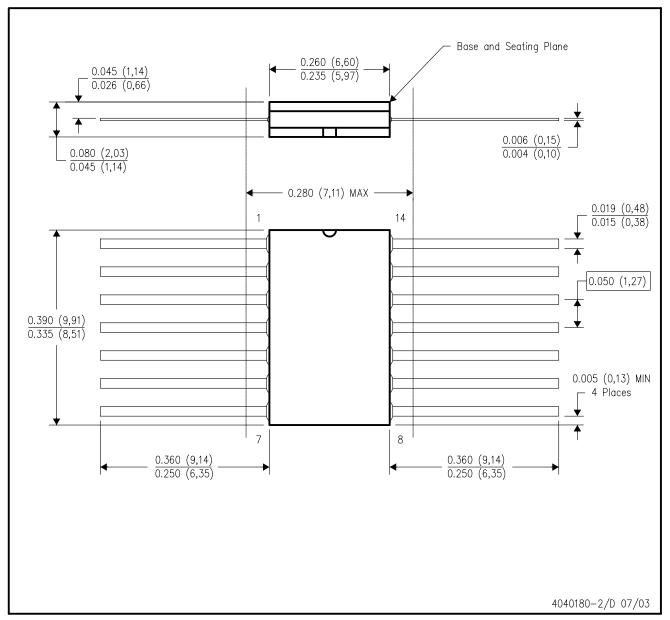
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14 LEADS SHOWN



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- 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.

CERAMIC DUAL FLATPACK



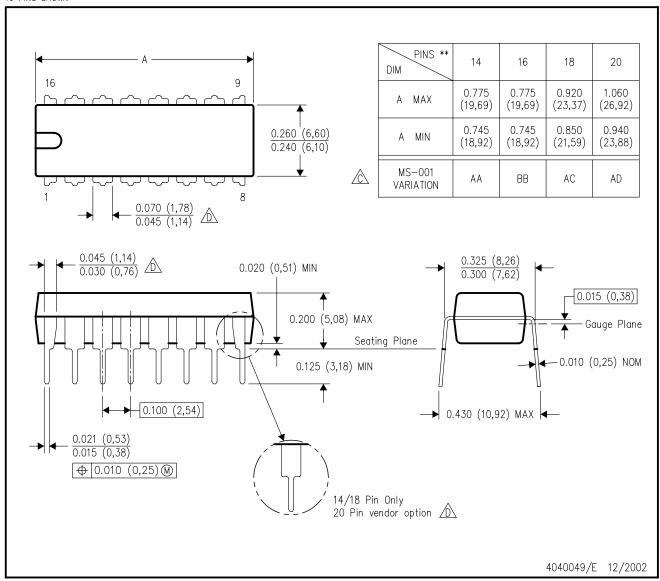
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- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

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5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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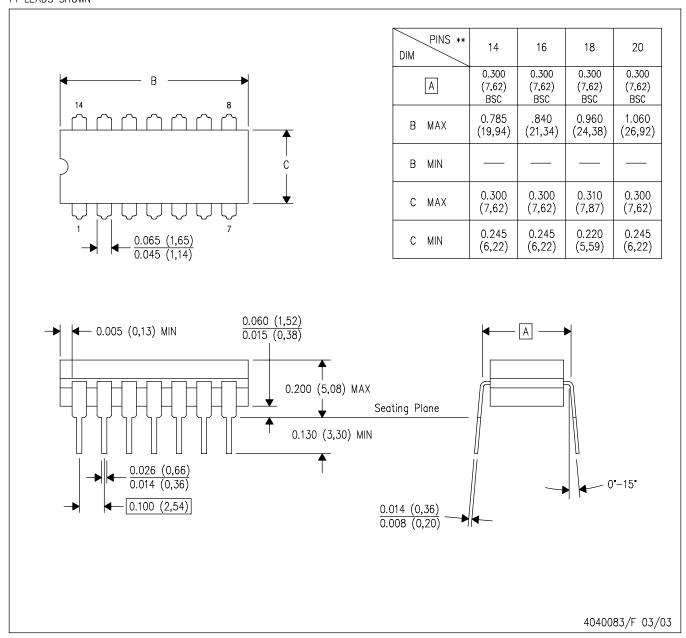


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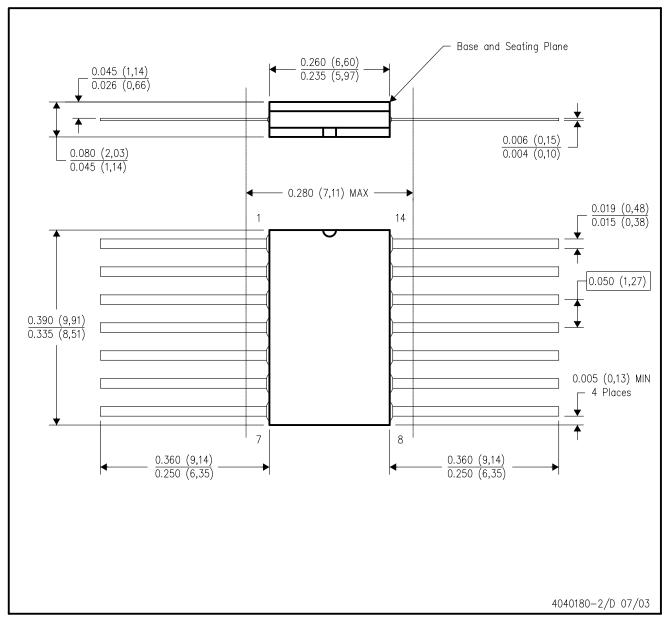
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CERAMIC DUAL FLATPACK



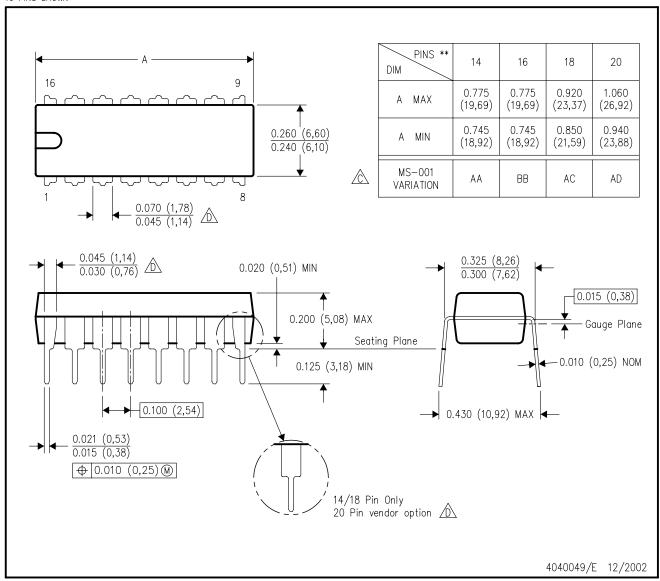
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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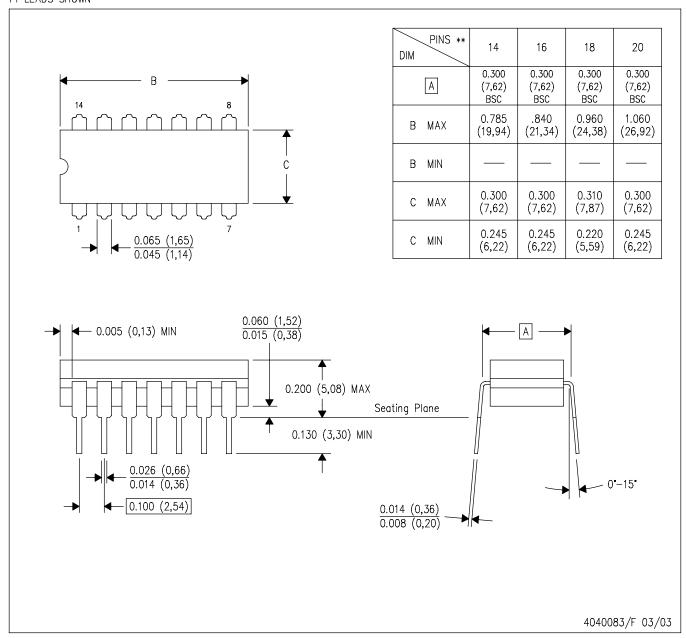


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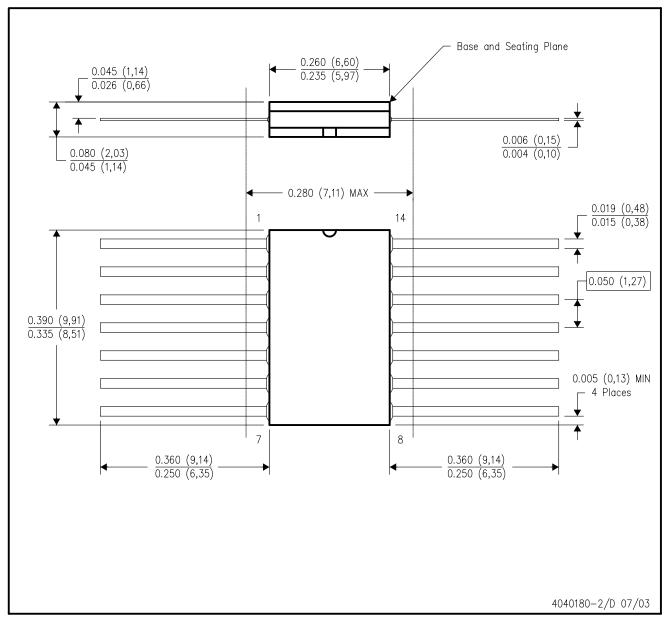
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CERAMIC DUAL FLATPACK

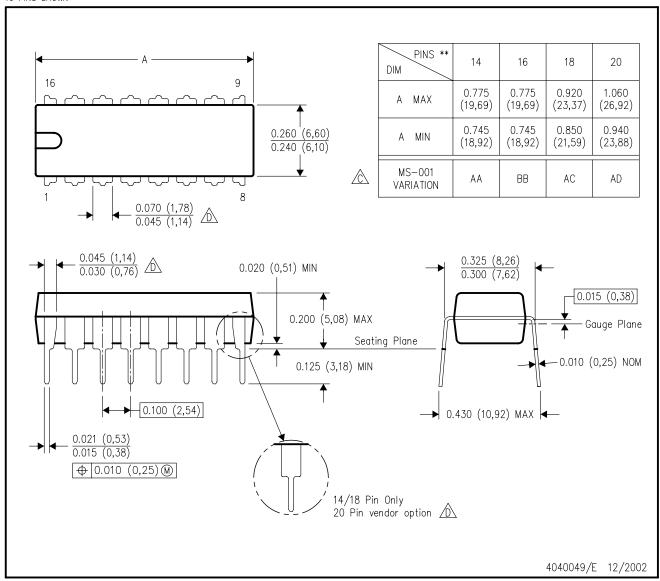


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PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



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SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
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SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
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SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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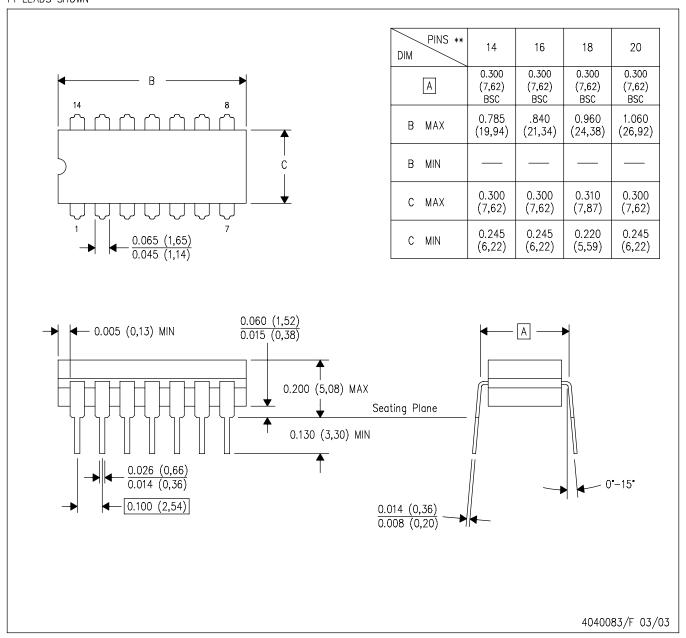


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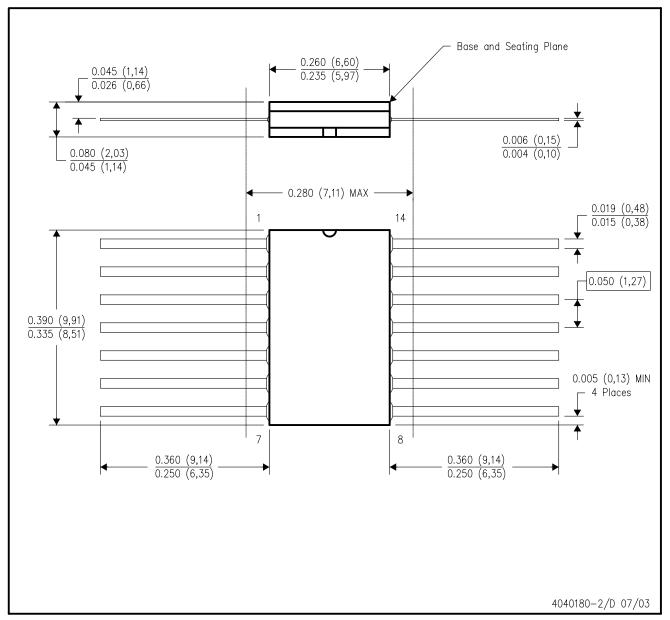
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK

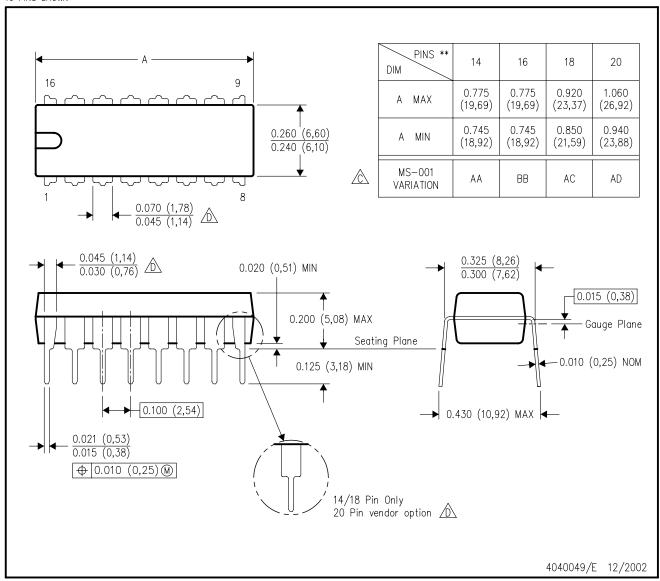


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SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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ACTIVE: Product device recommended for new designs.

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

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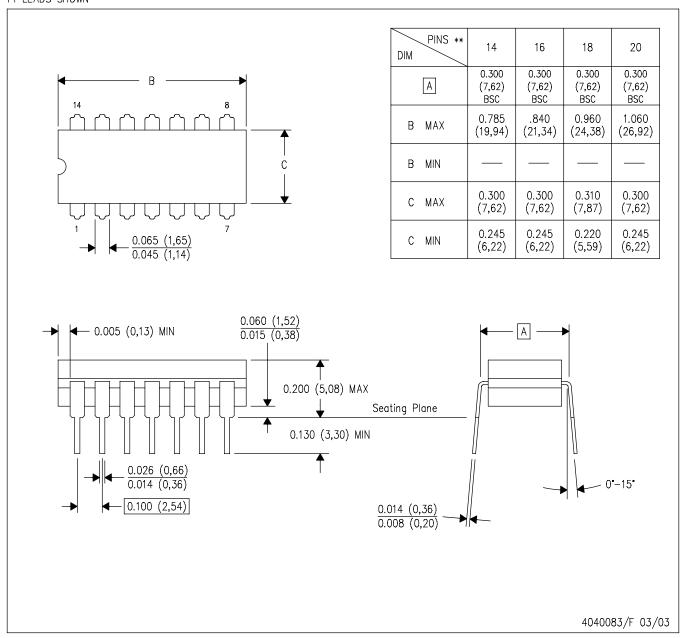


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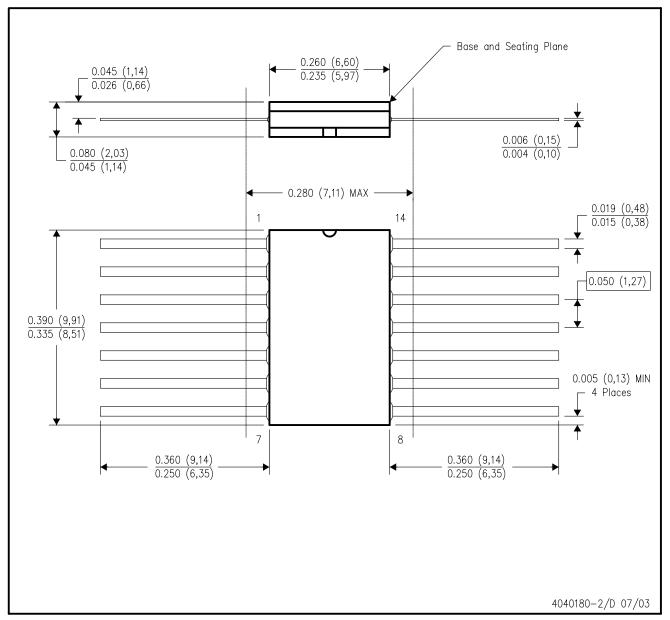
14 LEADS SHOWN



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- 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

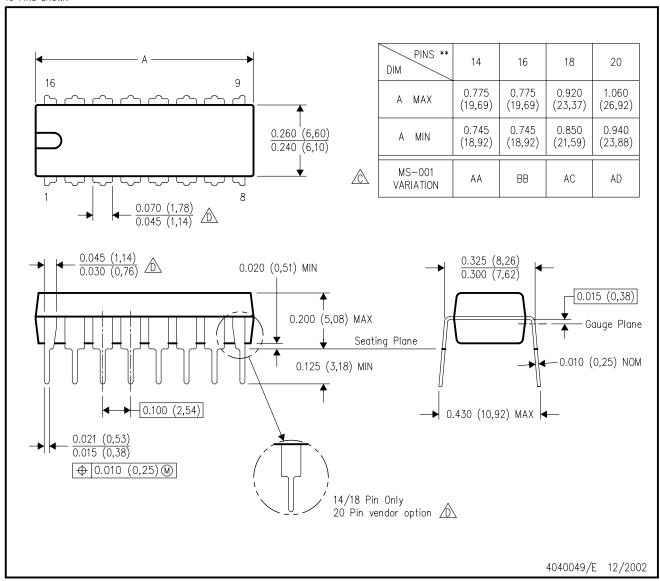


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- C. This package can be hermetically sealed with a ceramic lid using glass frit.
- D. Index point is provided on cap for terminal identification only.
- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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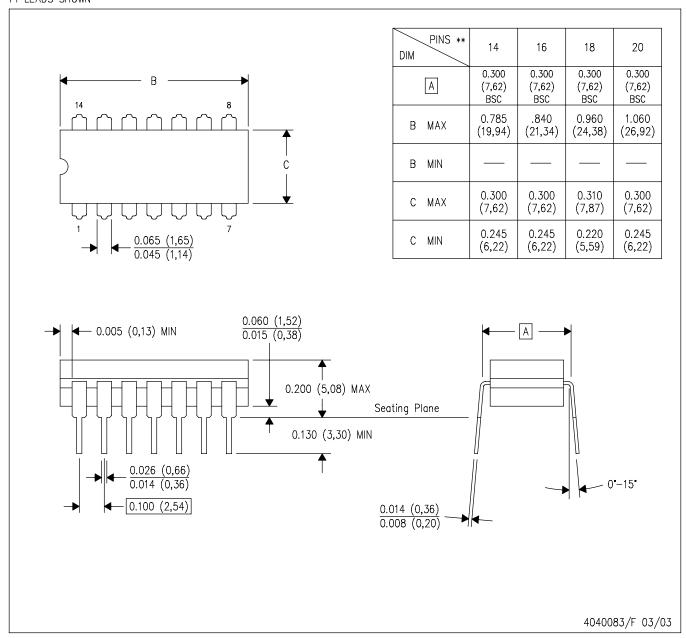


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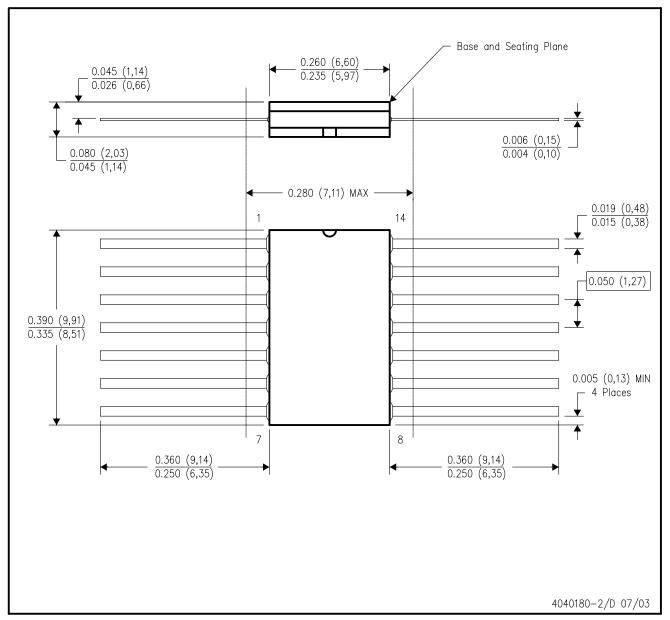
14 LEADS SHOWN



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- E. Falls within MIL STD 1835 GDIP1-T14, GDIP1-T16, GDIP1-T18 and GDIP1-T20.

W (R-GDFP-F14)

CERAMIC DUAL FLATPACK

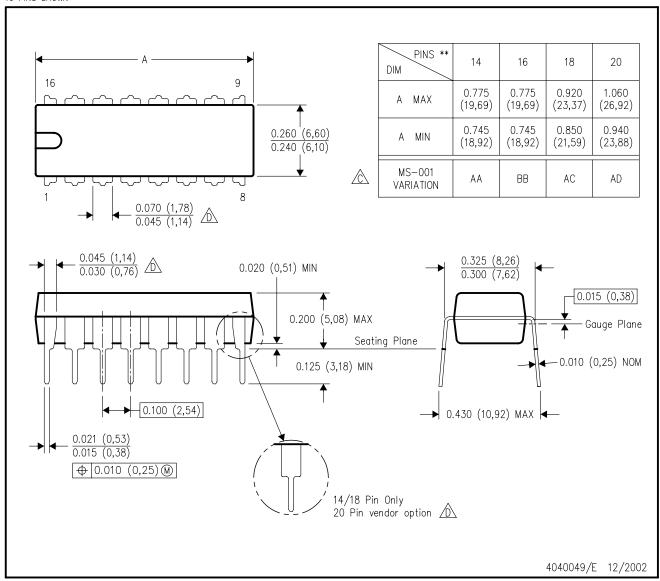


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PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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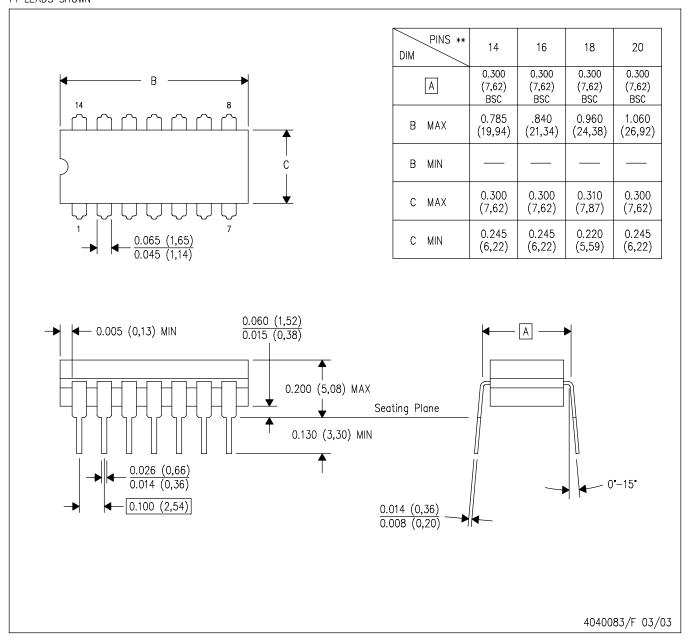


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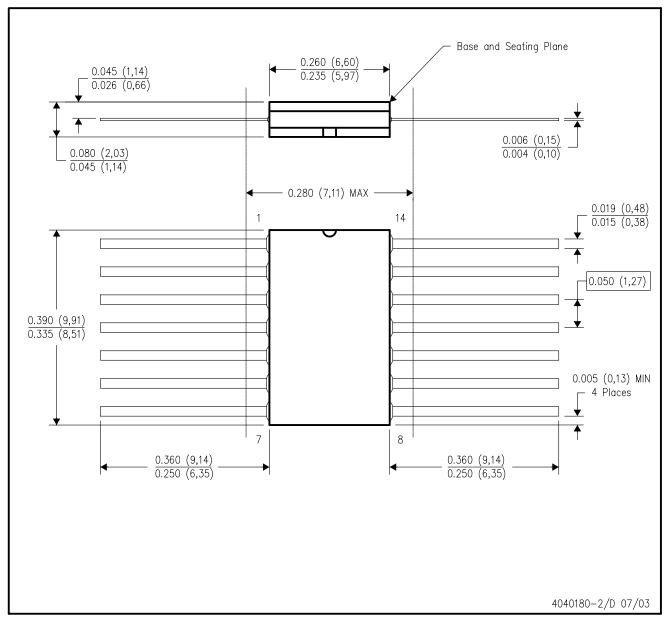
14 LEADS SHOWN



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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK

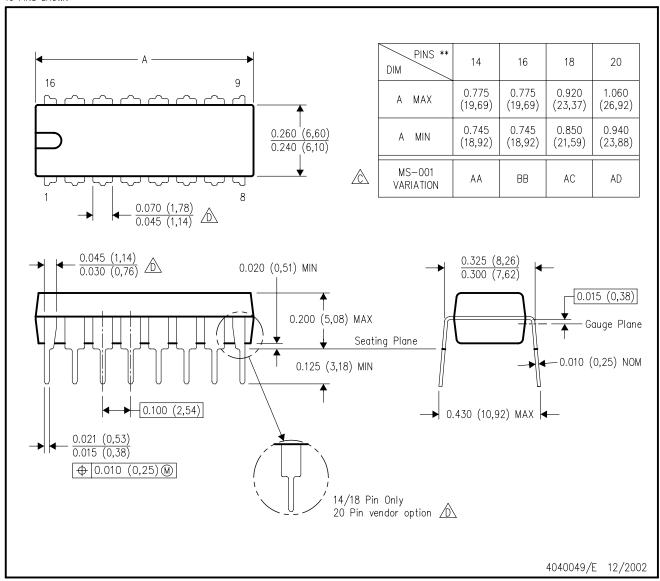


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PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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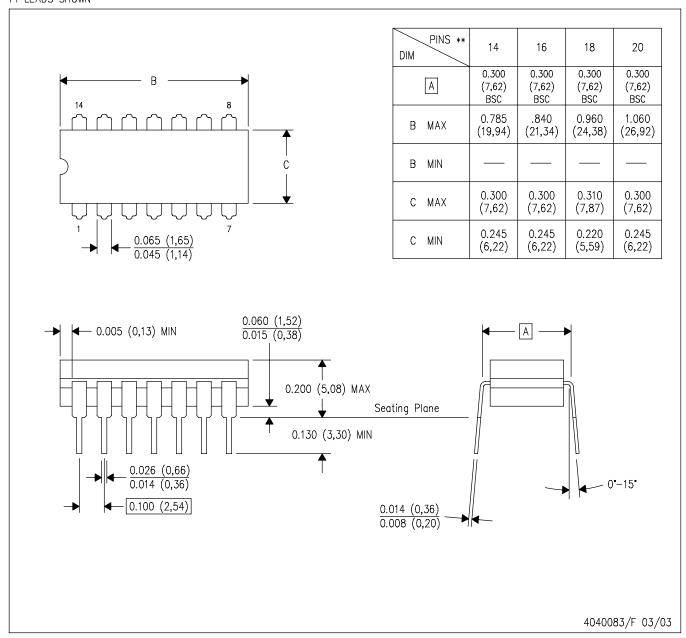


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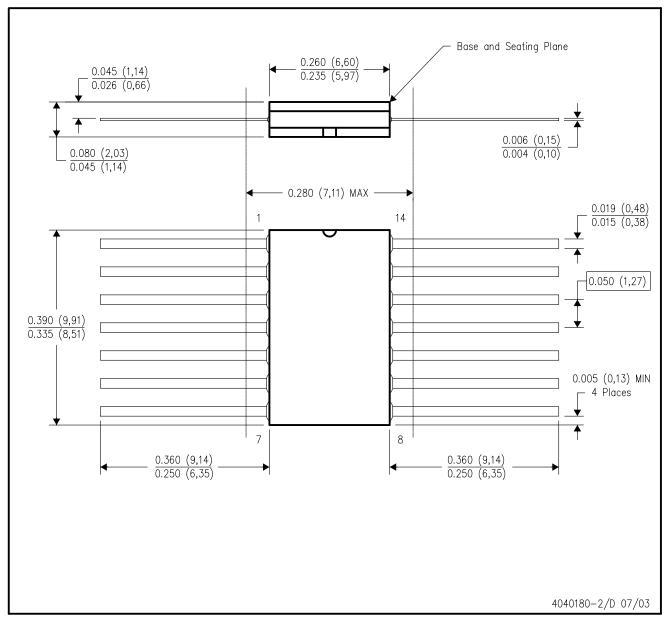
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK

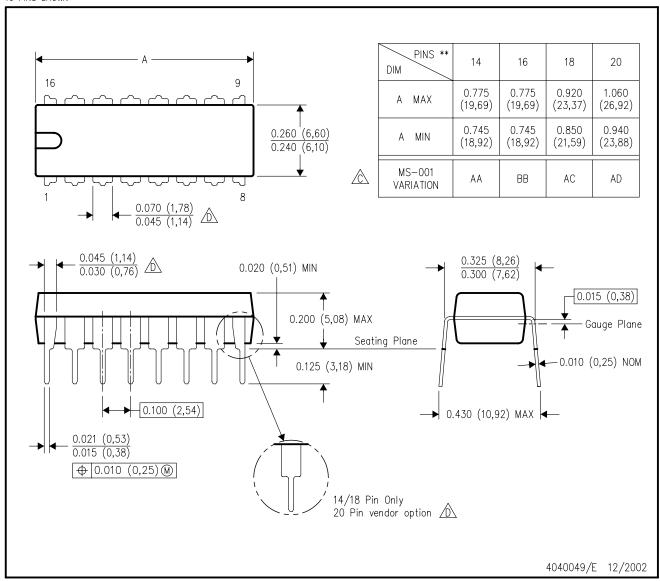


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PLASTIC DUAL-IN-LINE PACKAGE

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SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
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SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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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.

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

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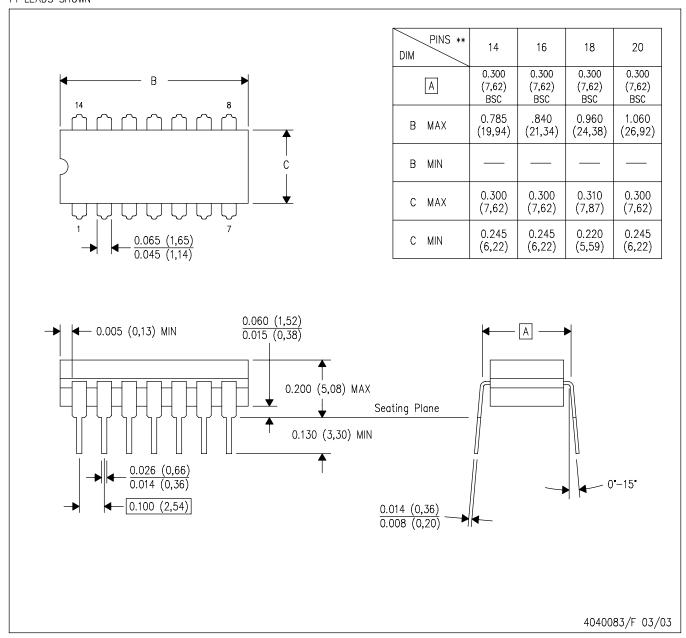


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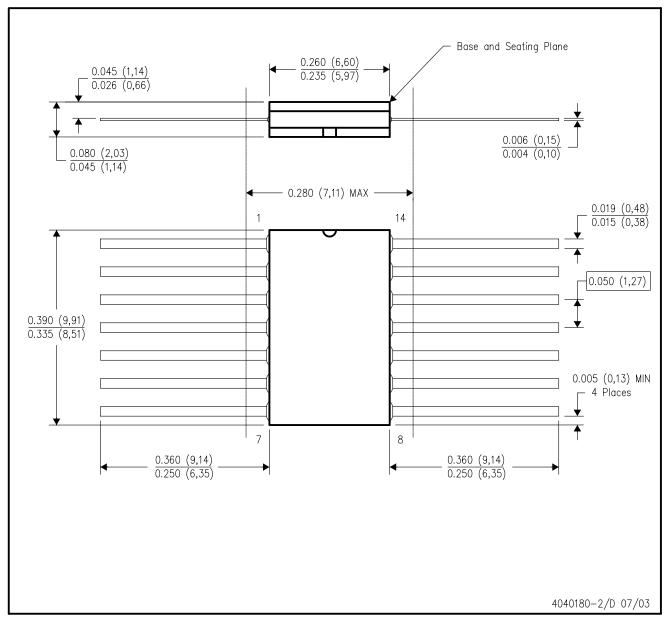
14 LEADS SHOWN



- 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

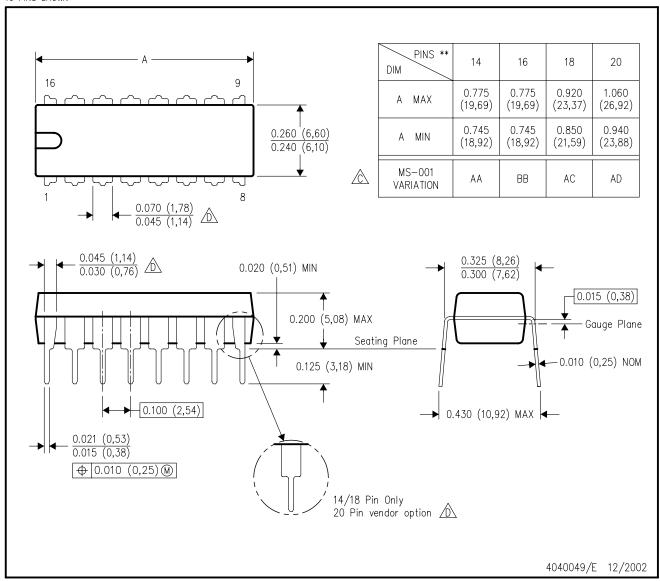


- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
- C. This package can be hermetically sealed with a ceramic lid using glass frit.
- D. Index point is provided on cap for terminal identification only.
- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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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.

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

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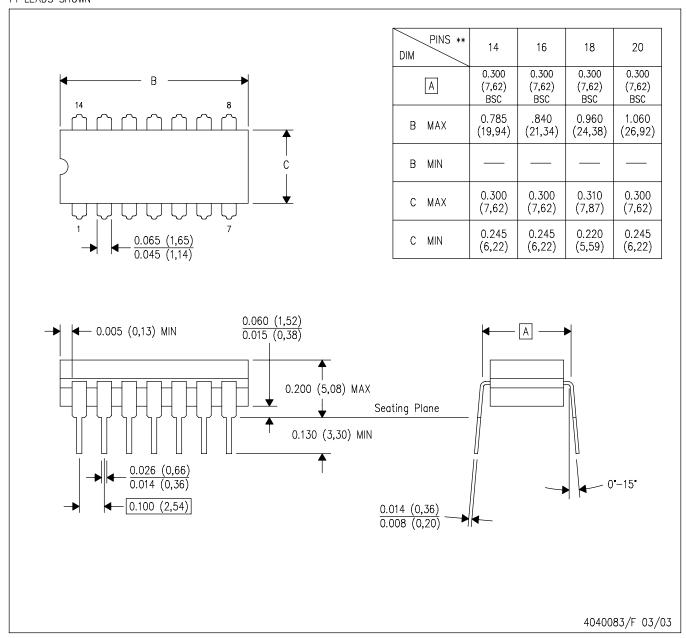


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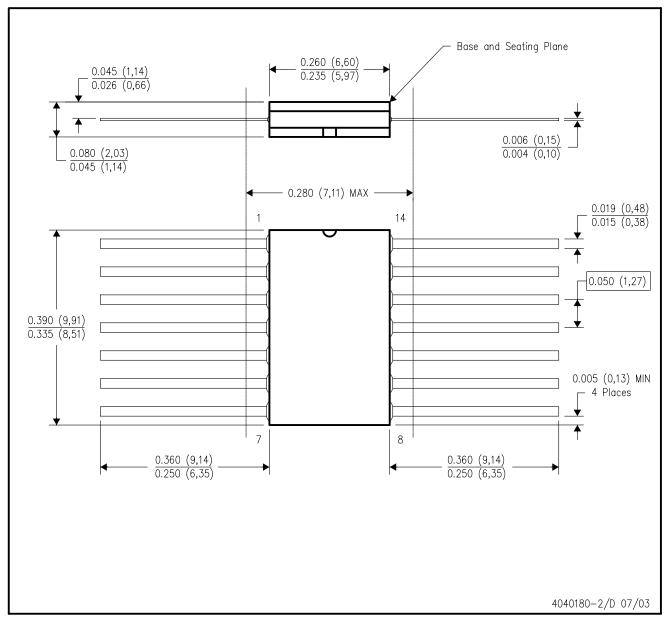
14 LEADS SHOWN



- 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

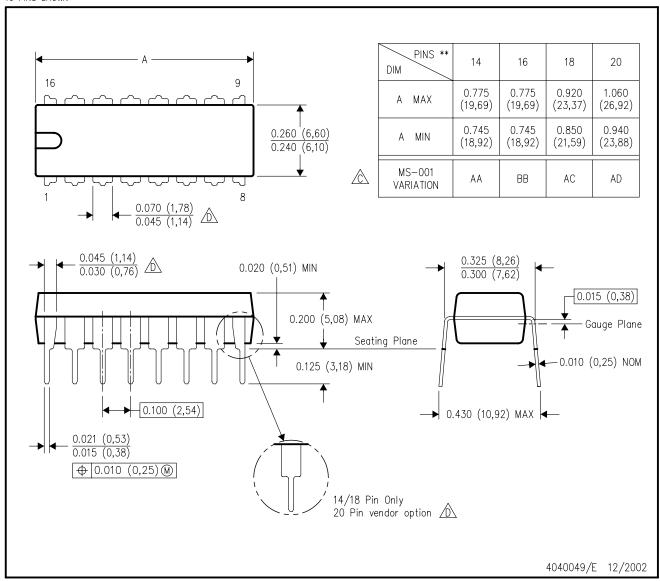


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PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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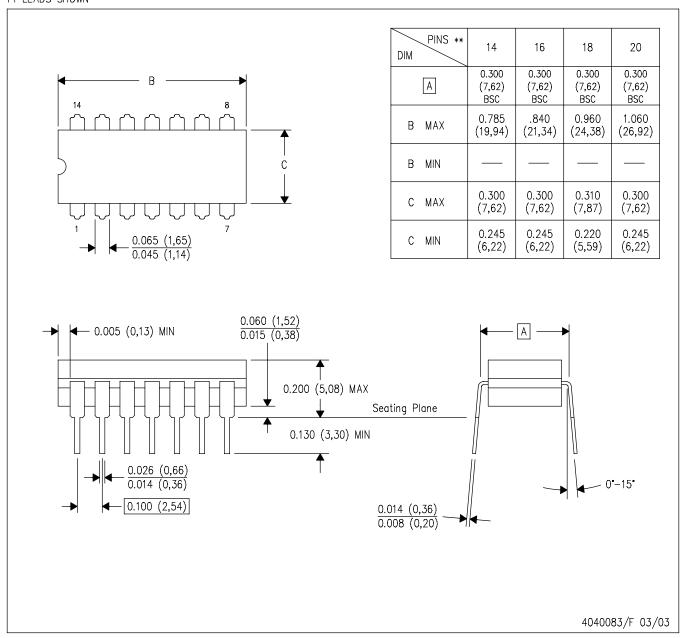


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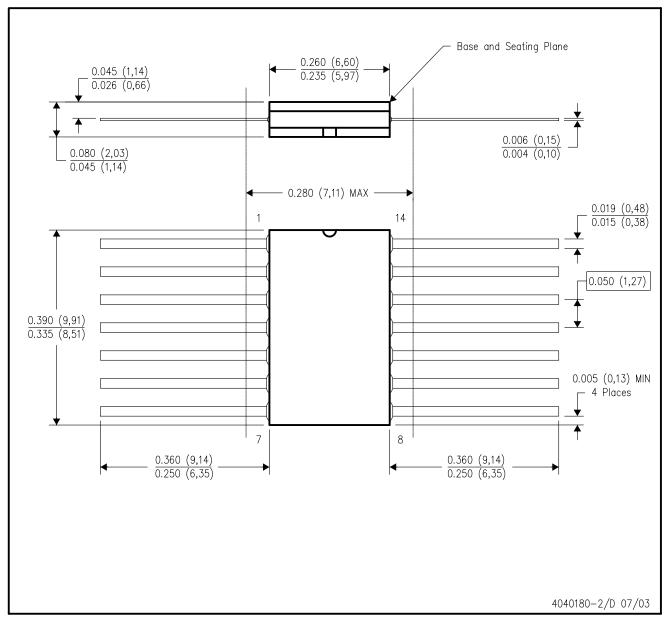
14 LEADS SHOWN



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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



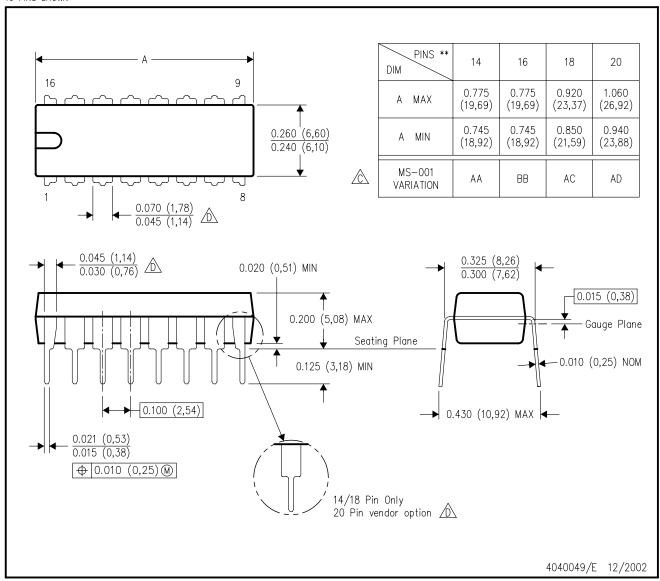
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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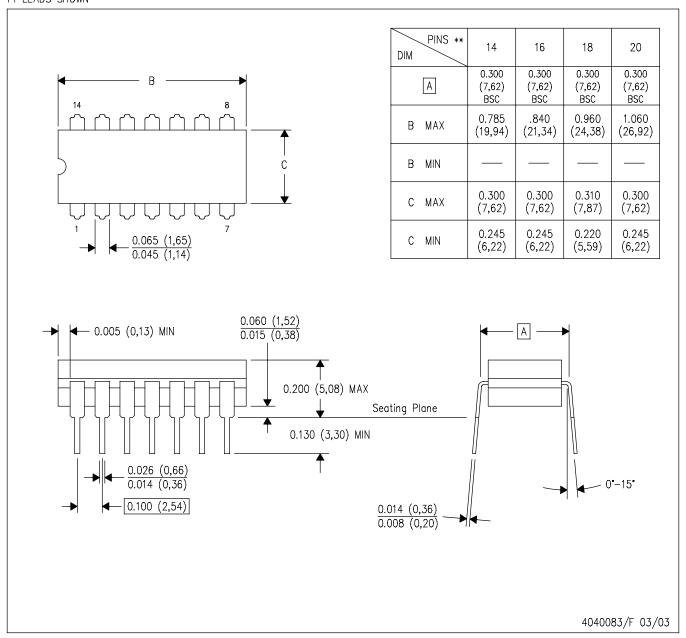


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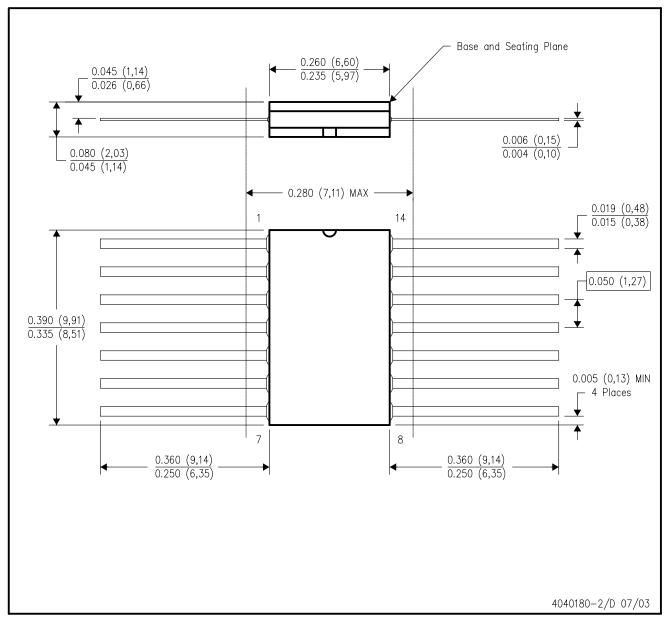
14 LEADS SHOWN



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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



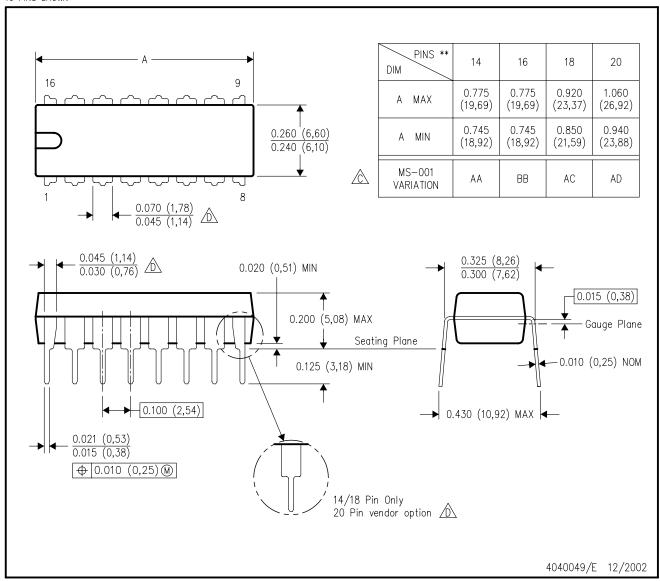
- A. All linear dimensions are in inches (millimeters).
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- C. This package can be hermetically sealed with a ceramic lid using glass frit.
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- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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ACTIVE: Product device recommended for new designs.

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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.

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

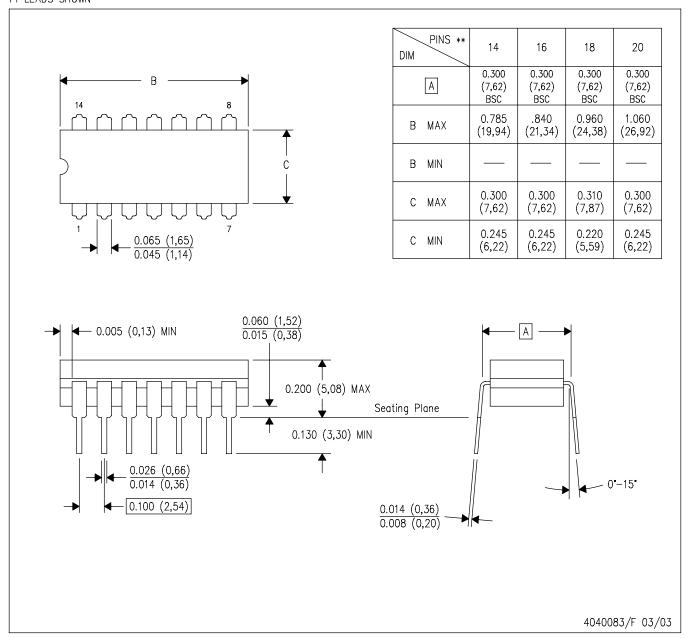


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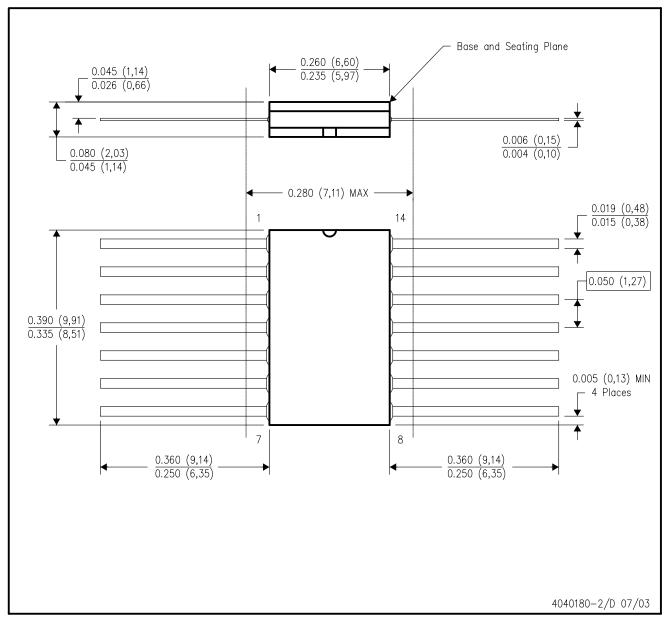
14 LEADS SHOWN



- 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



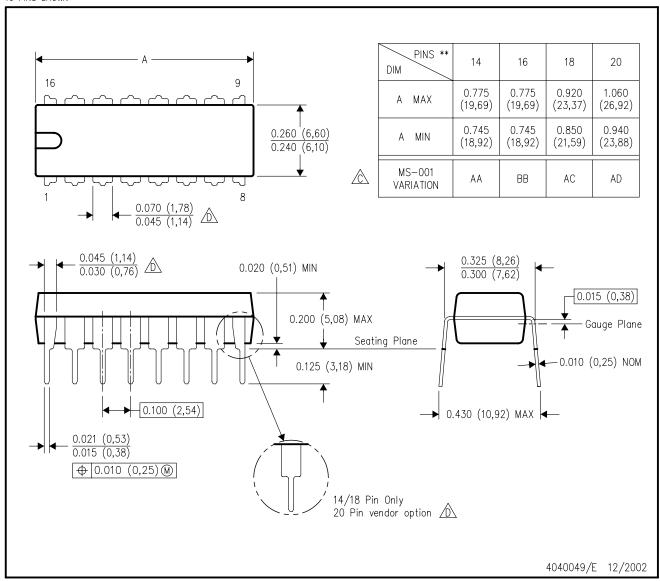
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- B. This drawing is subject to change without notice.
- C. This package can be hermetically sealed with a ceramic lid using glass frit.
- D. Index point is provided on cap for terminal identification only.
- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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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.

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

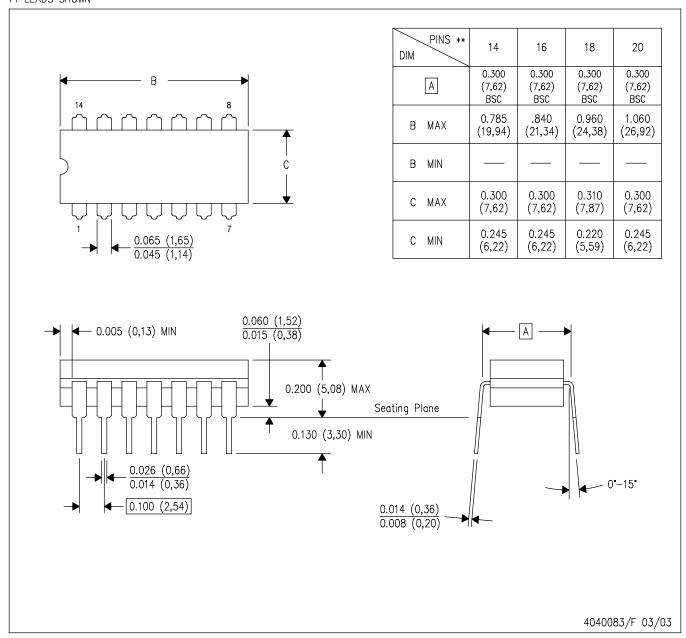


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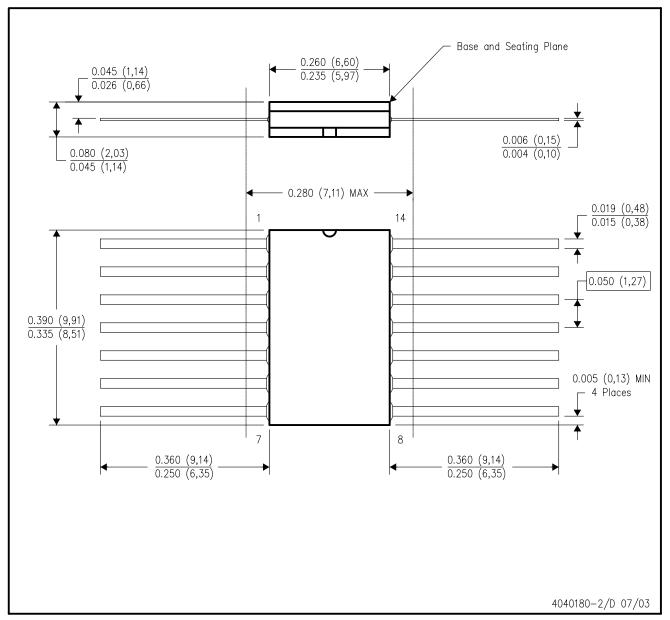
14 LEADS SHOWN



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- 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



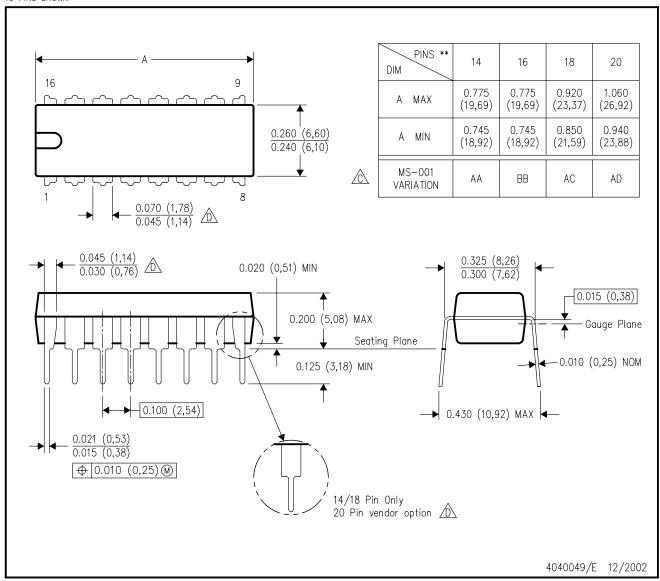
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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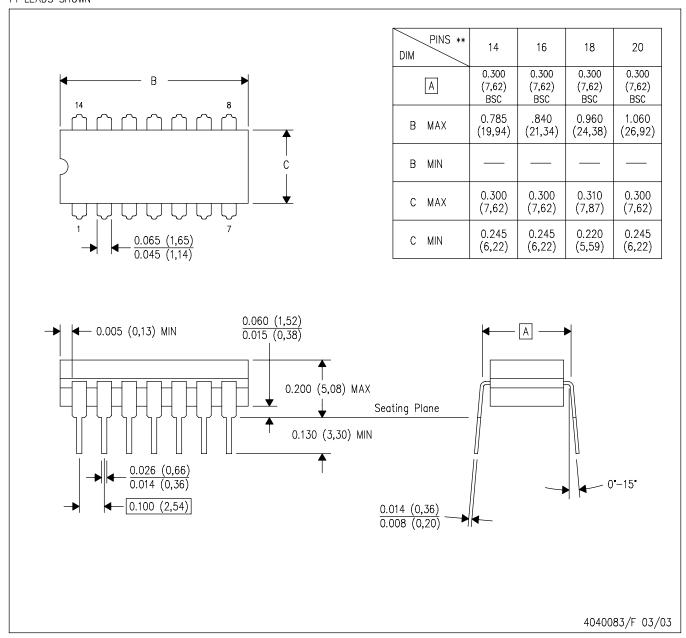


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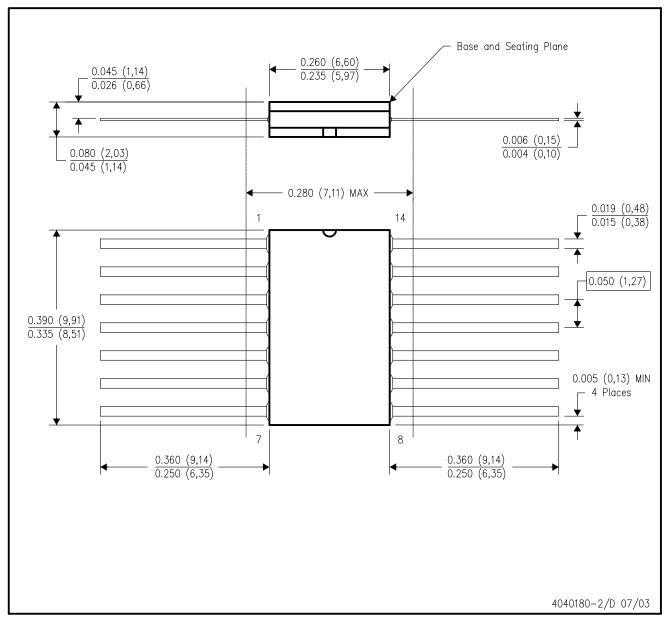
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



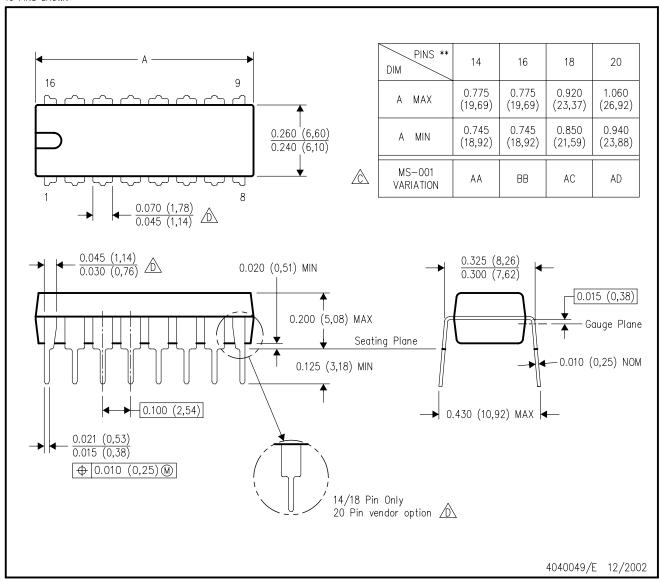
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- A. All linear dimensions are in inches (millimeters).
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- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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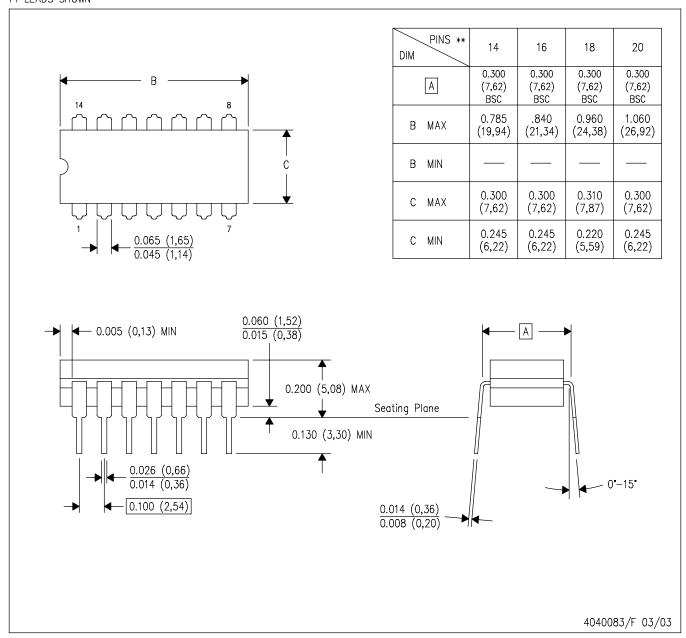


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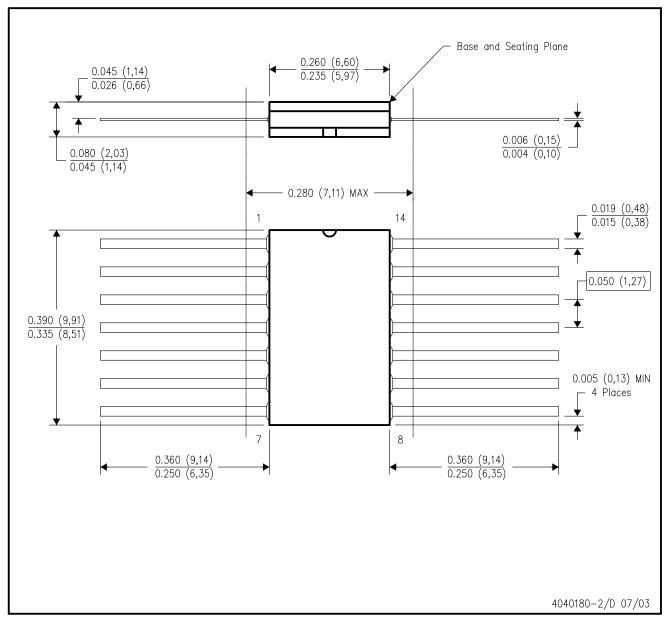
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



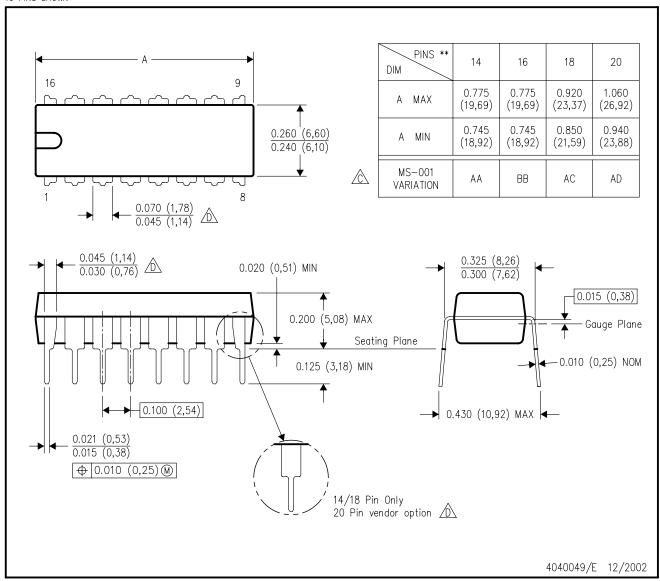
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



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SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
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SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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

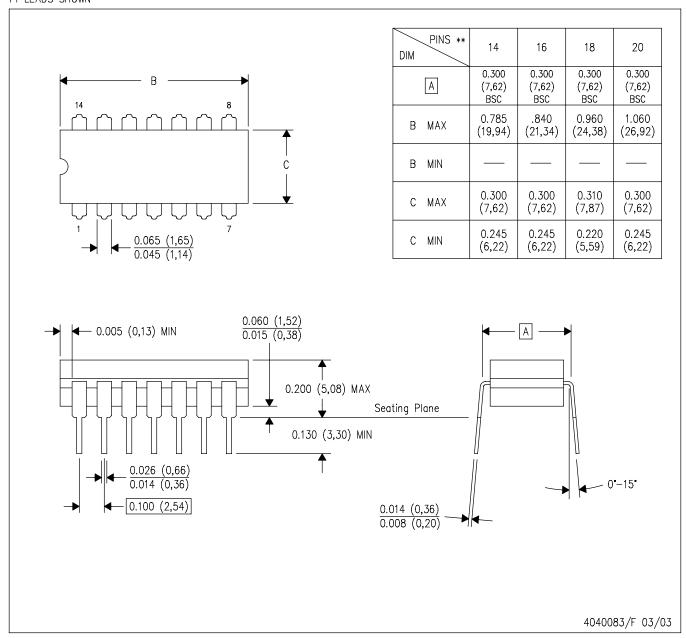


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In no event shall TI's liability arising out of such information exceed the total purchase price of the TI part(s) at issue in this document sold by TI to Customer on an annual basis.

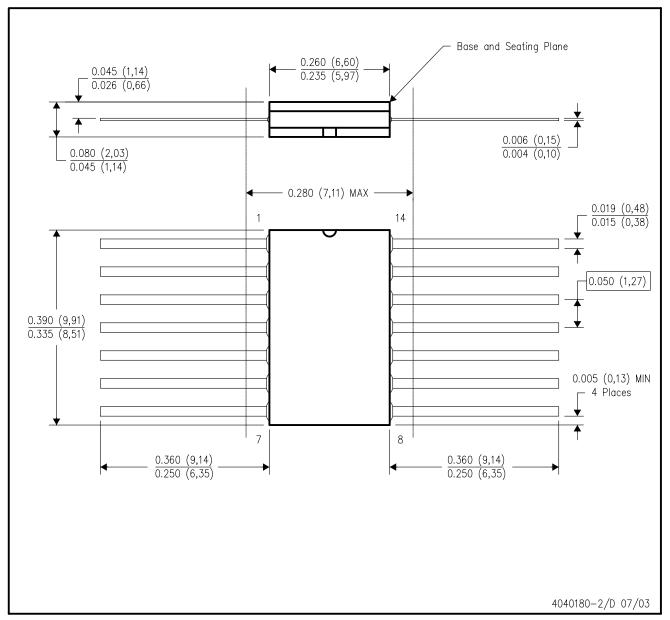
14 LEADS SHOWN



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- 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



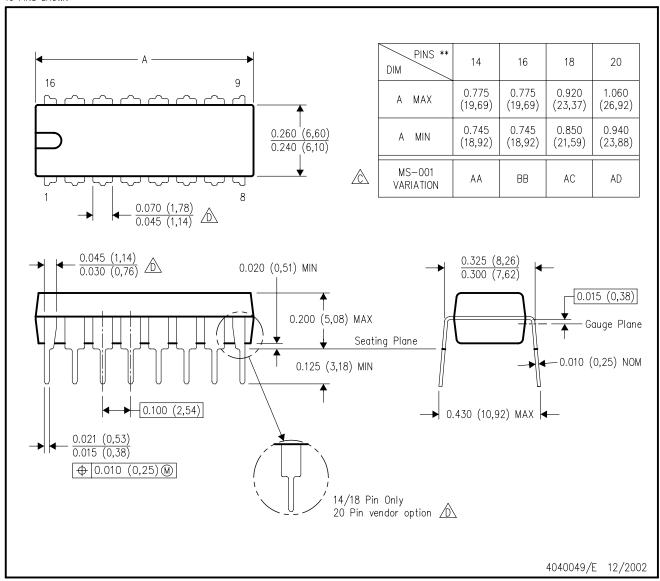
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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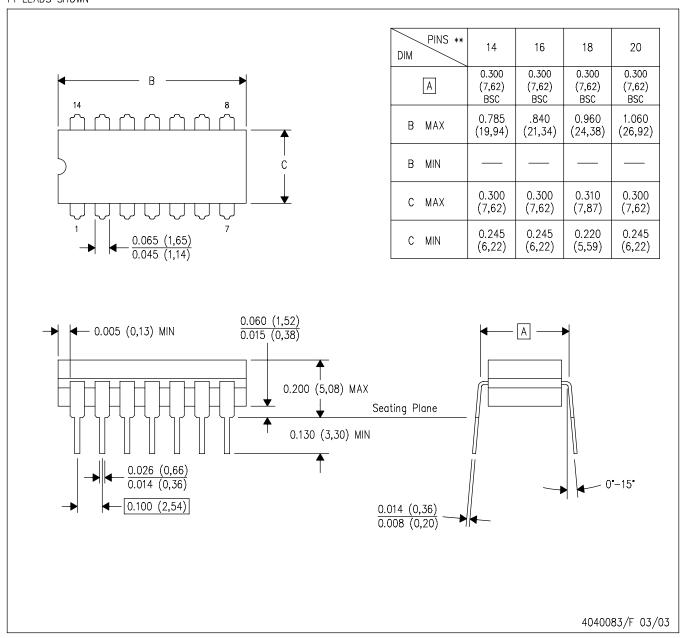
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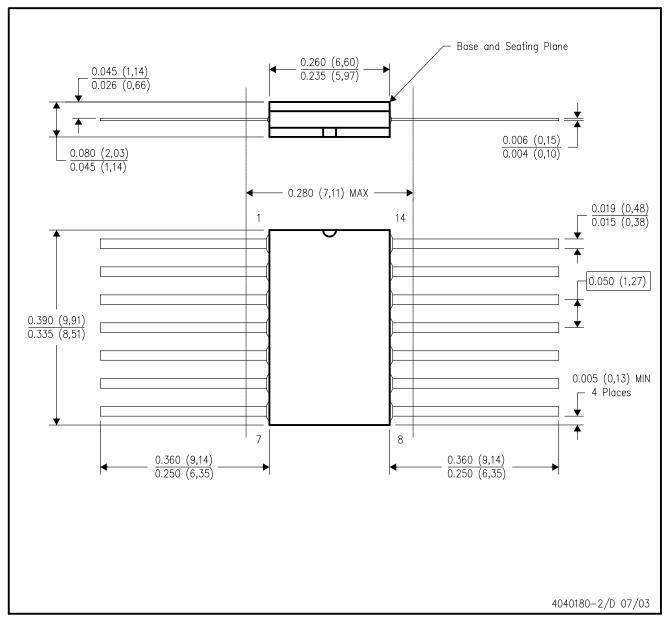
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



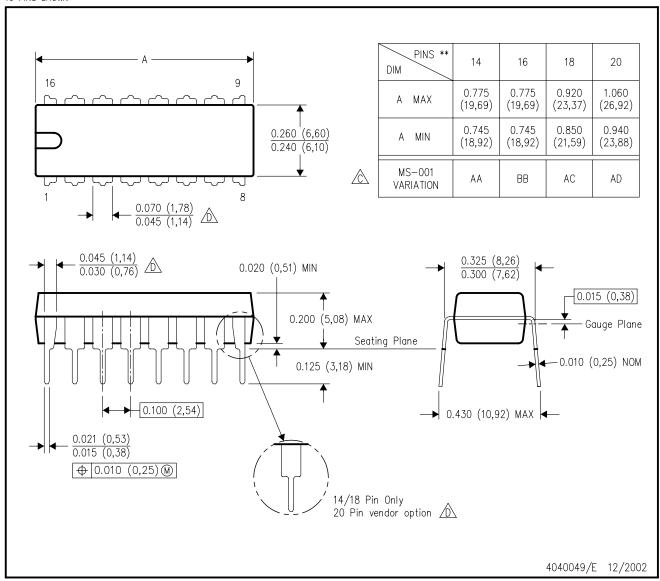
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- A. All linear dimensions are in inches (millimeters).
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- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
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SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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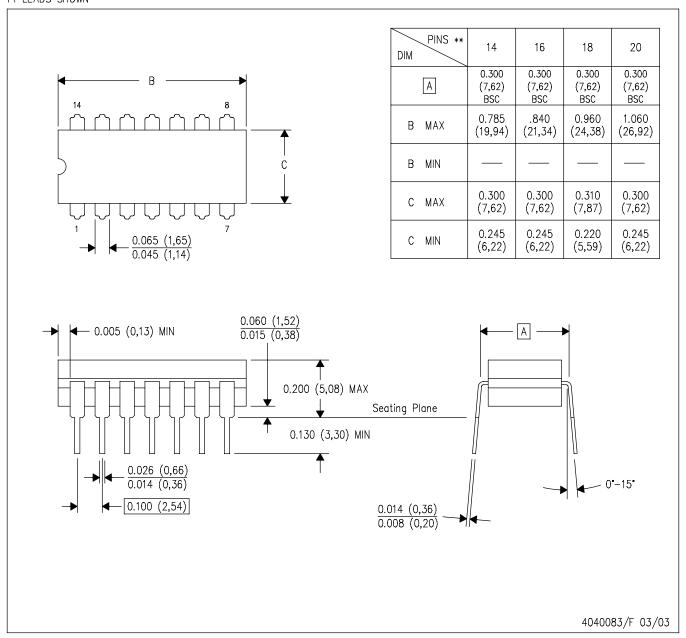
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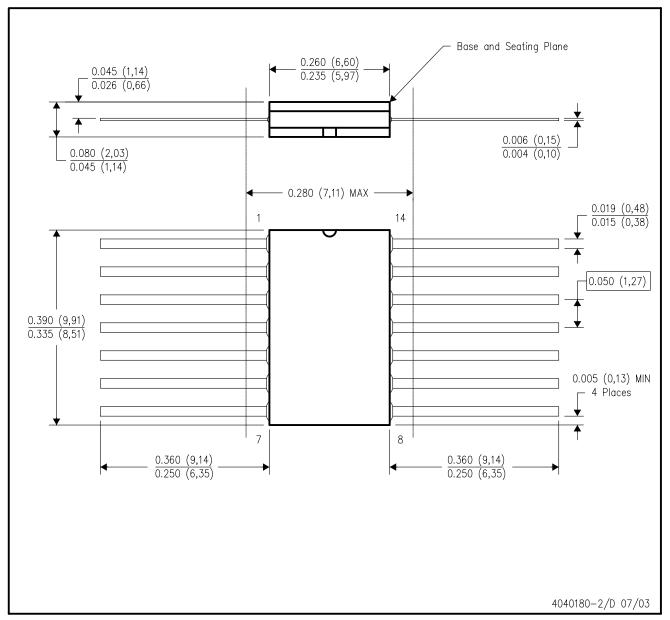
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



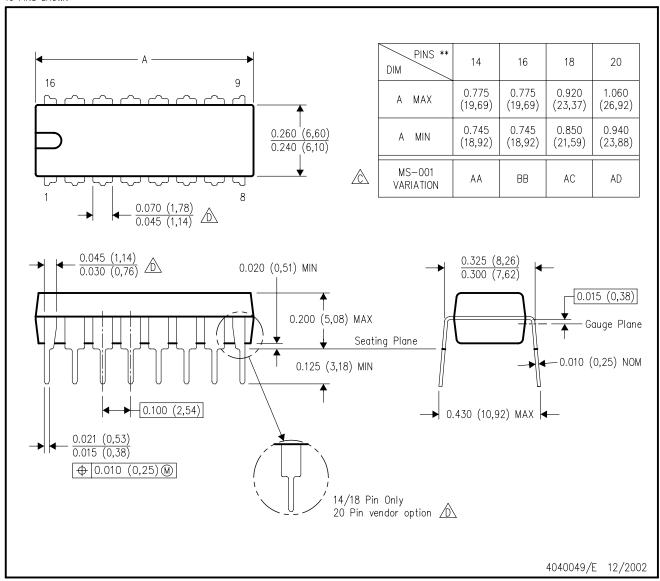
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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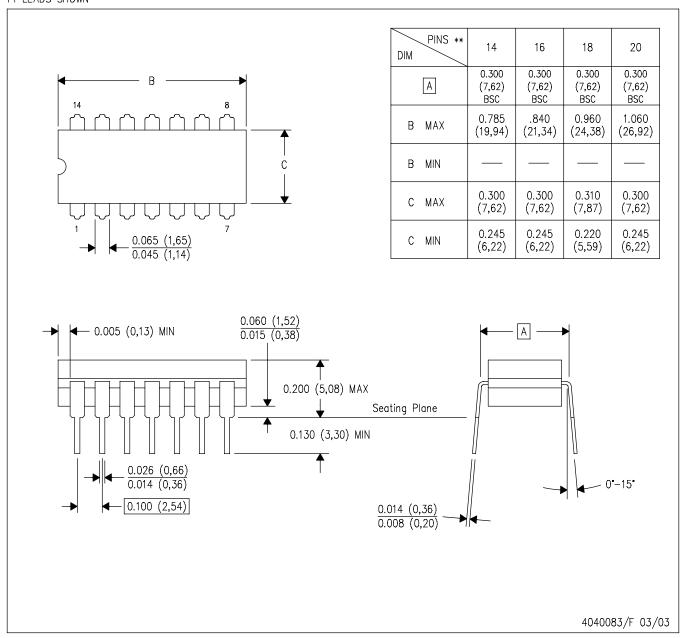
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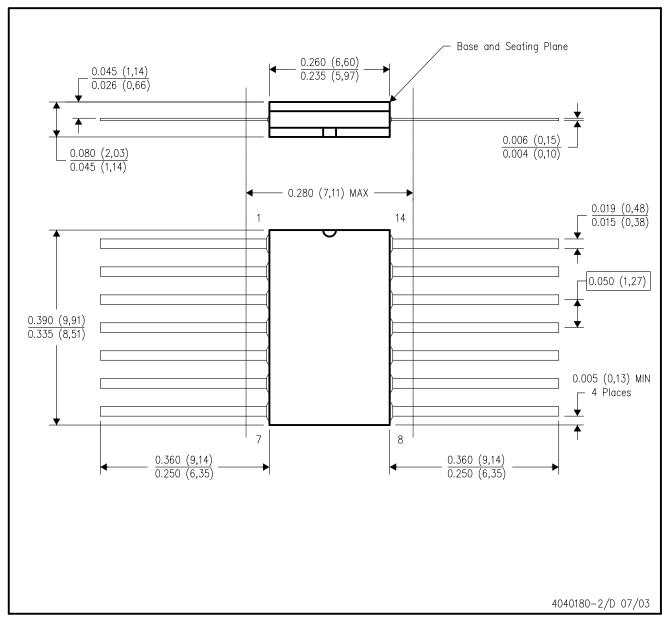
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W (R-GDFP-F14)

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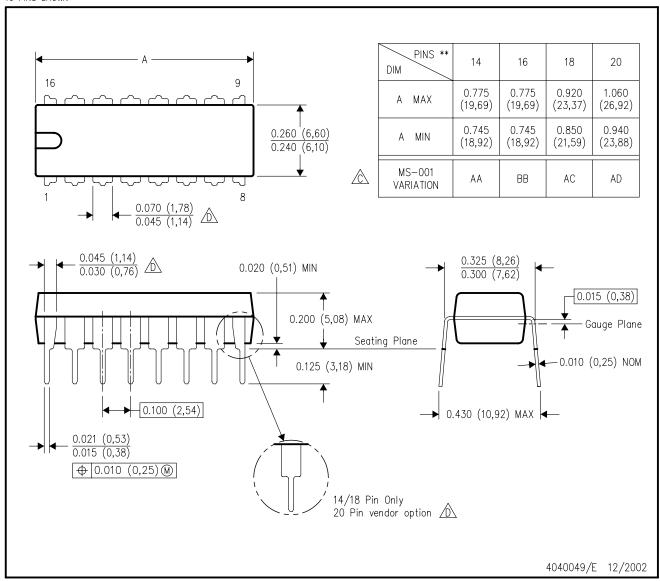
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

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SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
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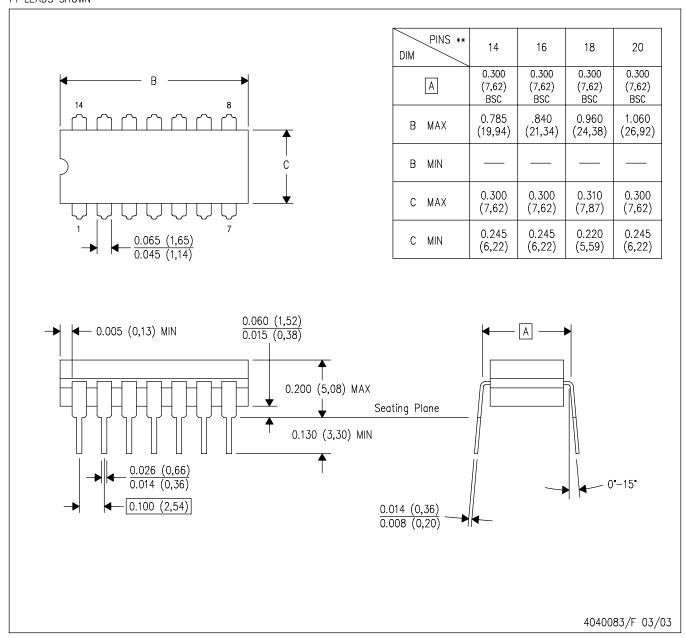
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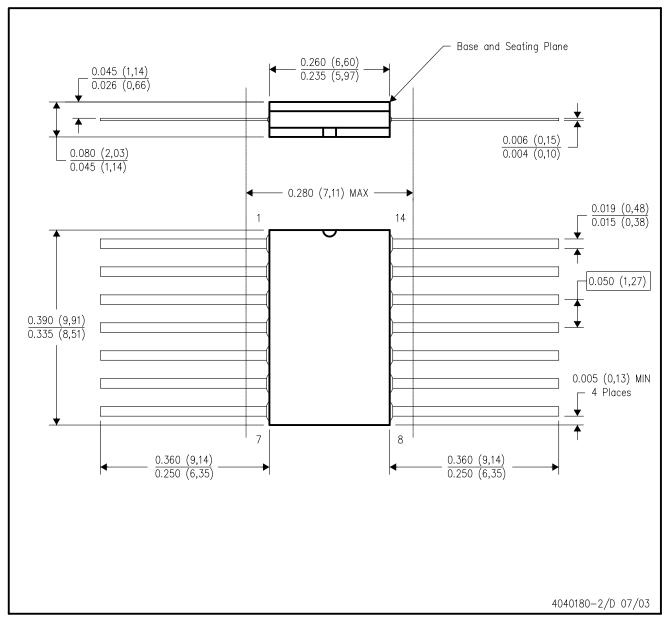
14 LEADS SHOWN



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- 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



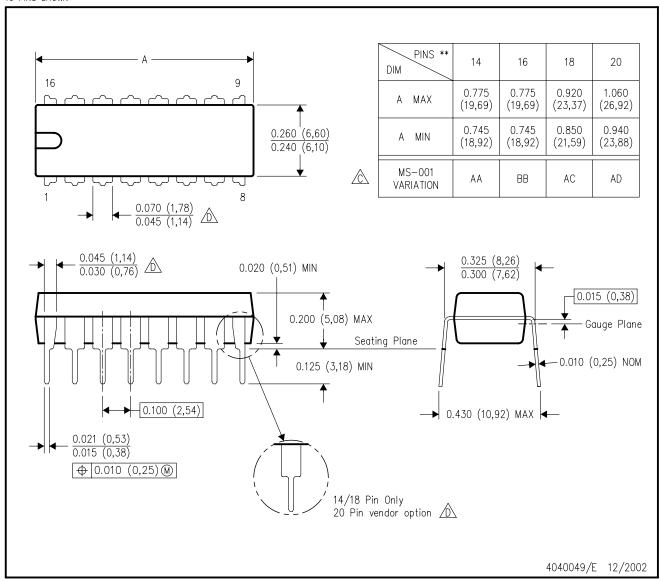
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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

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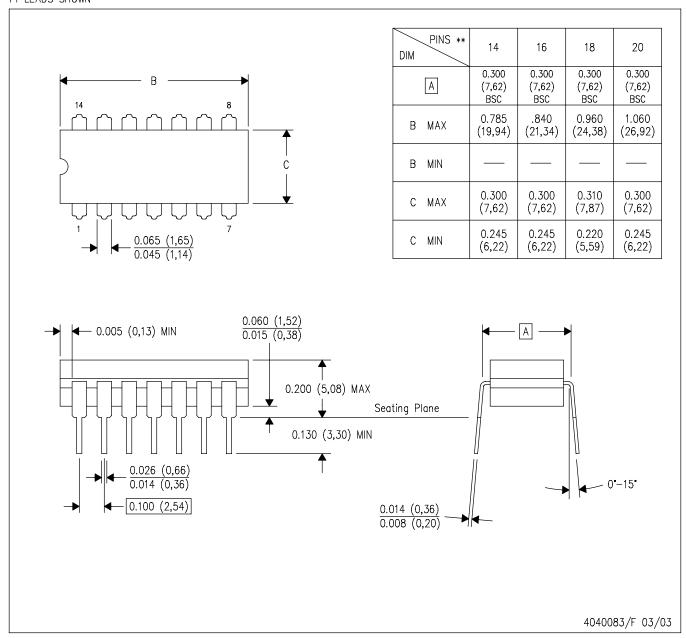
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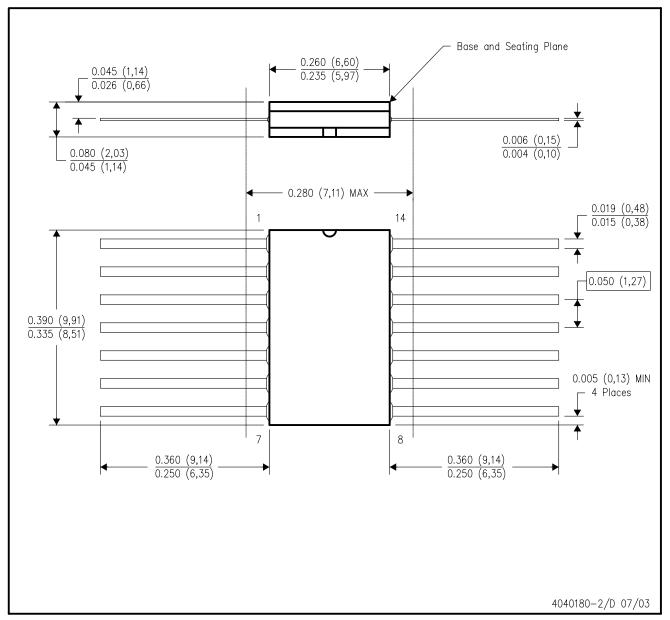
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



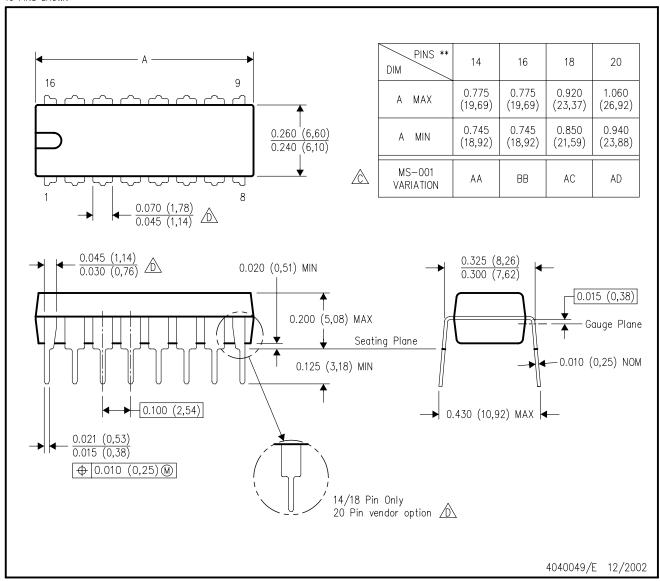
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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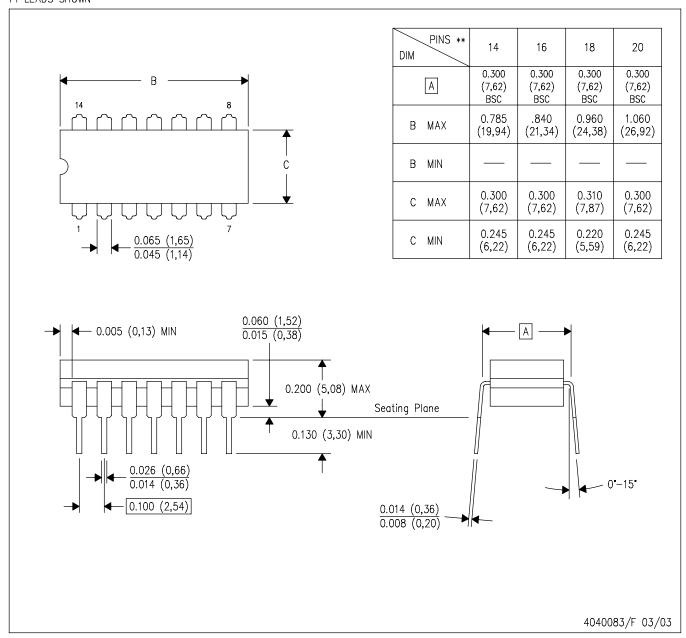
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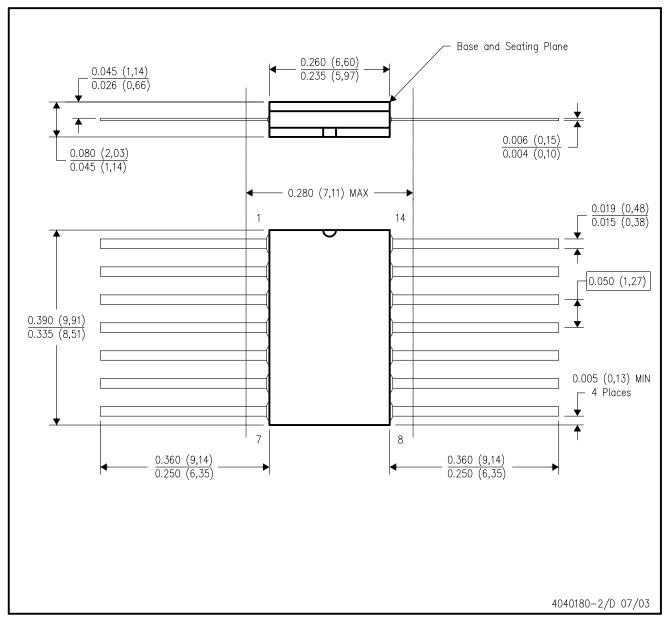
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



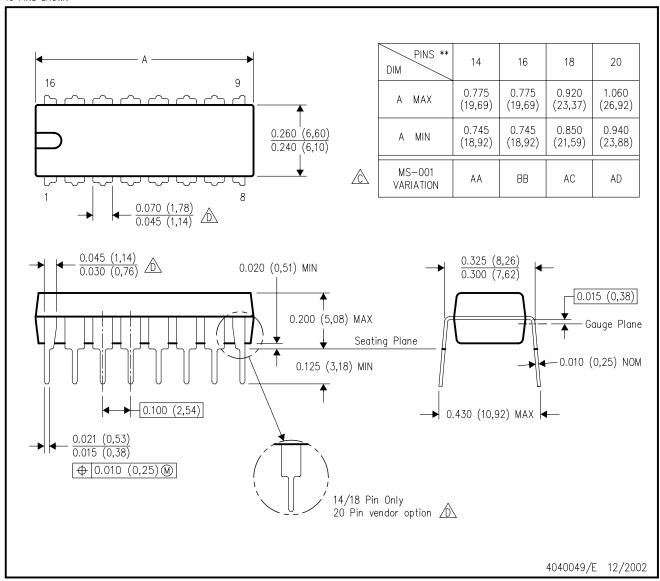
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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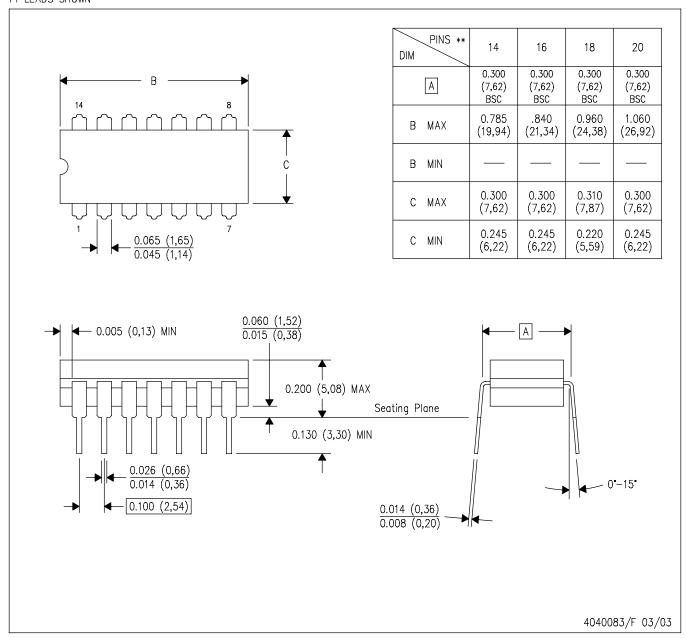
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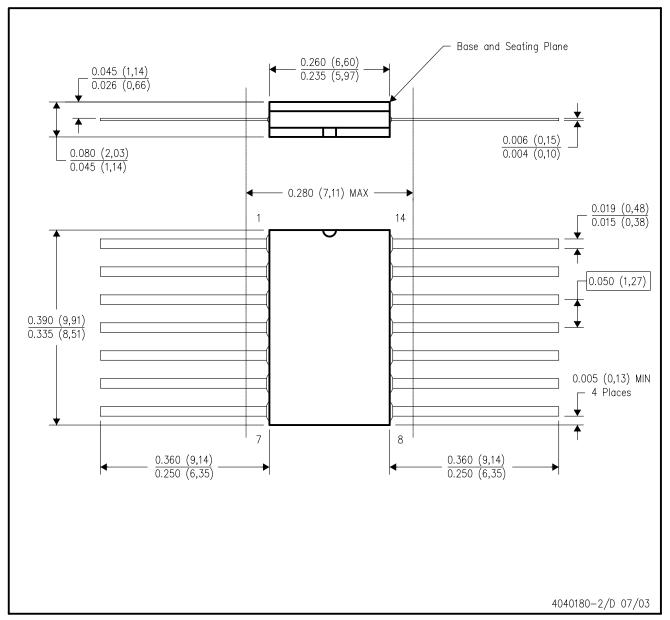
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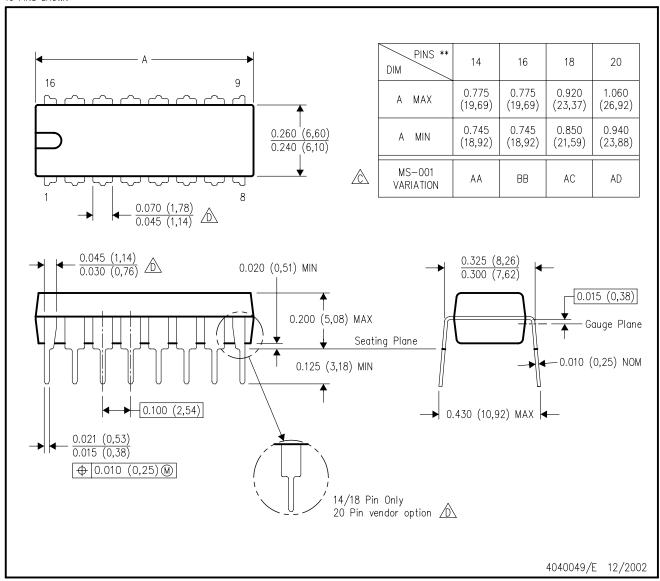
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

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SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
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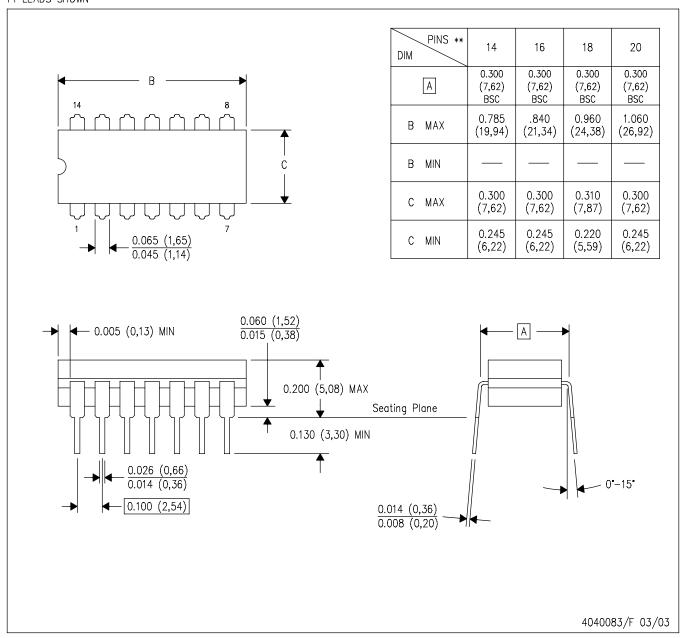
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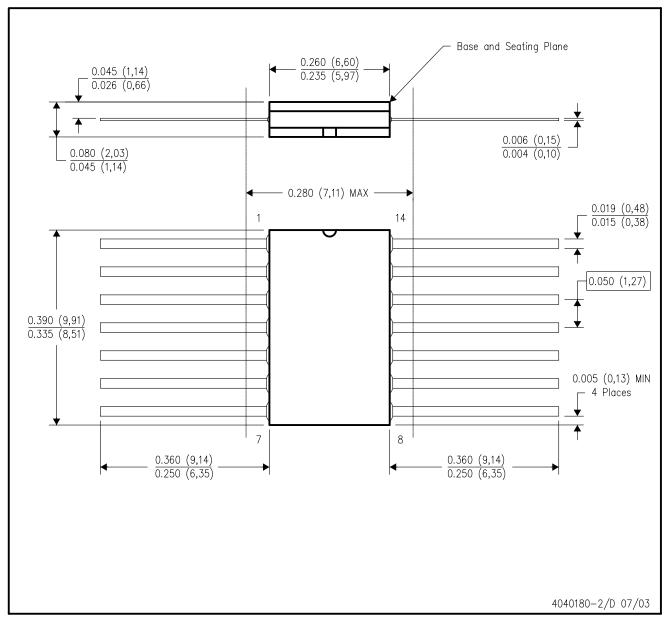
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- E. Falls within MIL STD 1835 GDIP1-T14, GDIP1-T16, GDIP1-T18 and GDIP1-T20.

W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



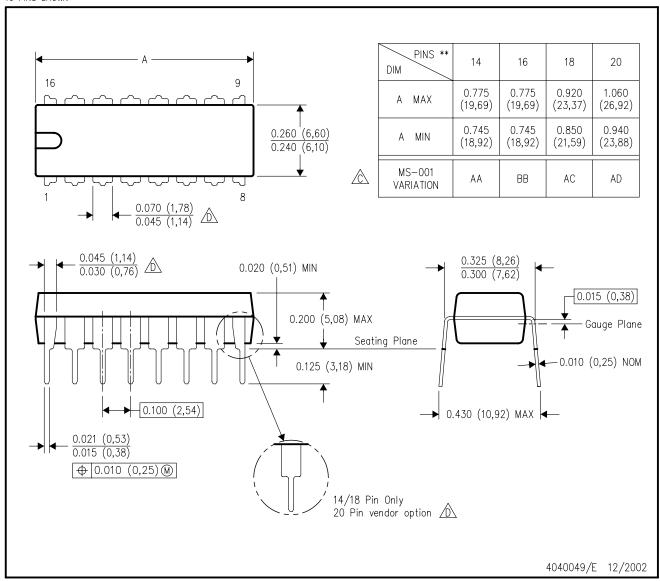
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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(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.

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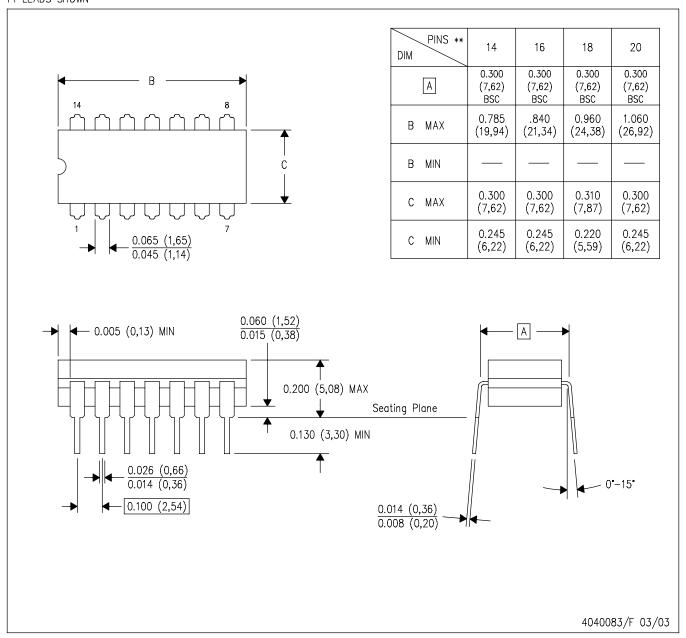
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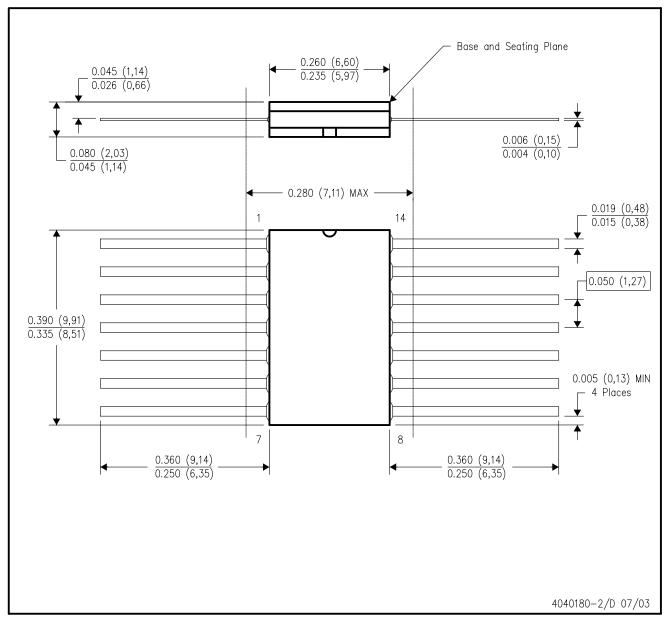
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



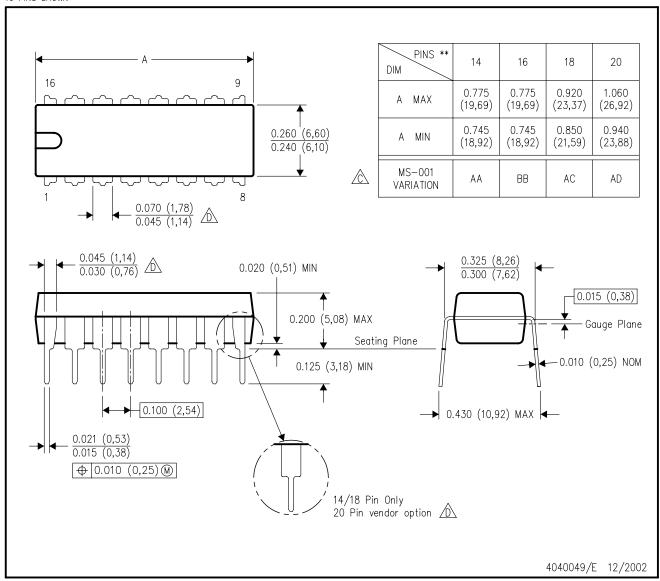
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
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SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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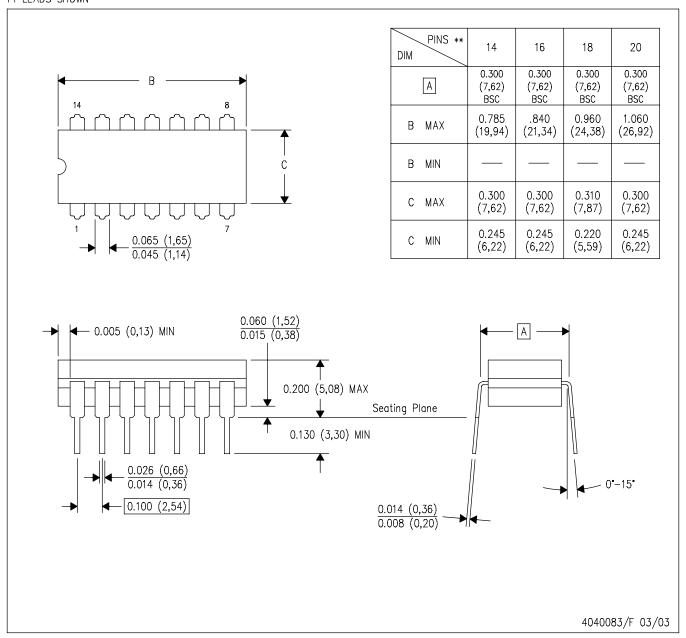
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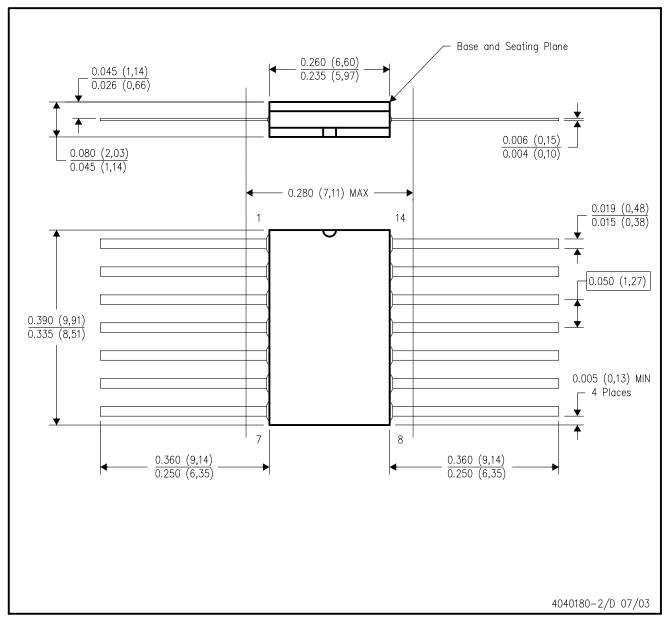
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



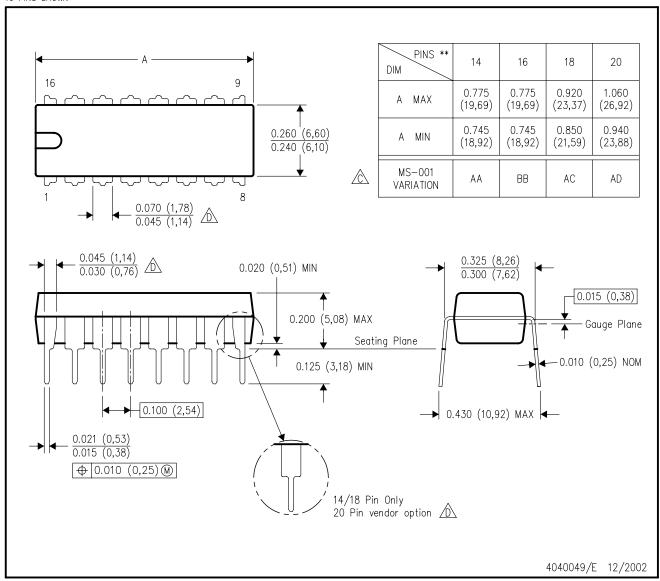
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- A. All linear dimensions are in inches (millimeters).
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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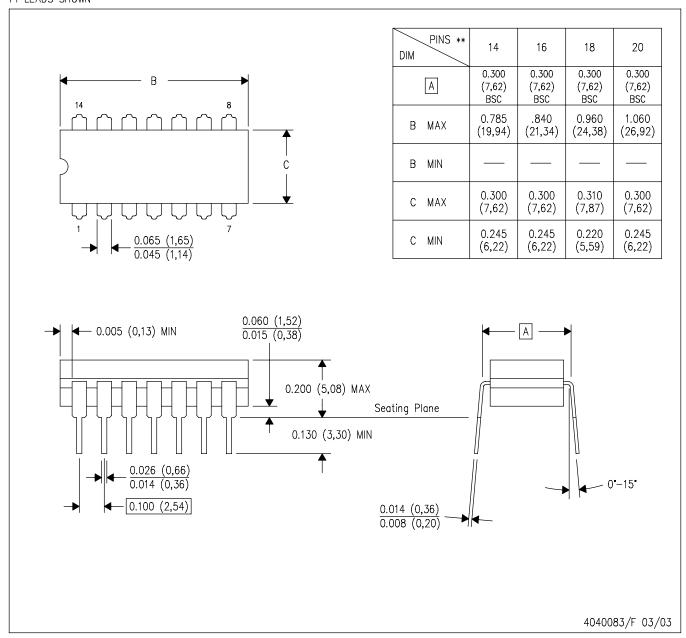
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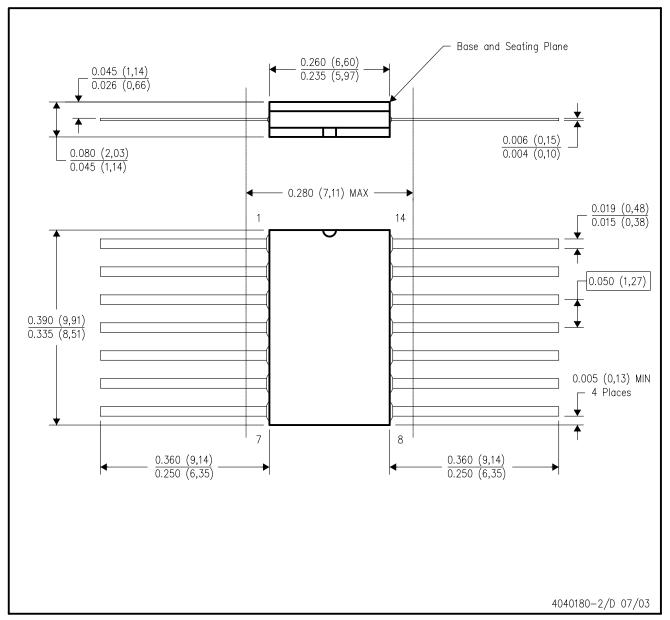
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



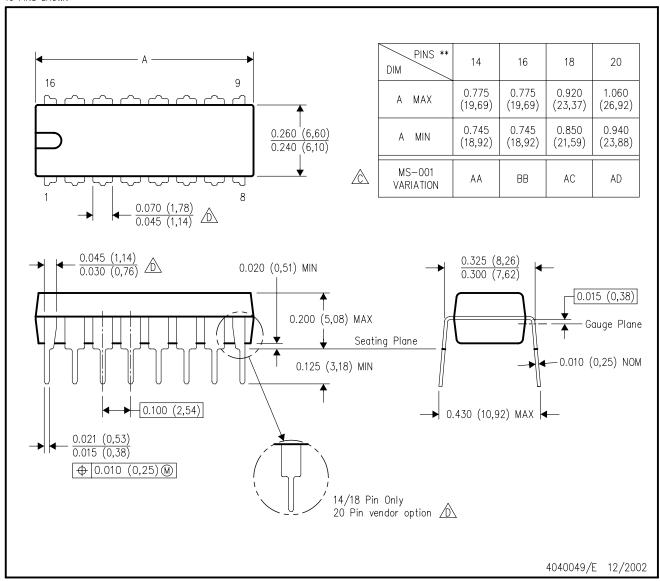
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

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SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
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SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
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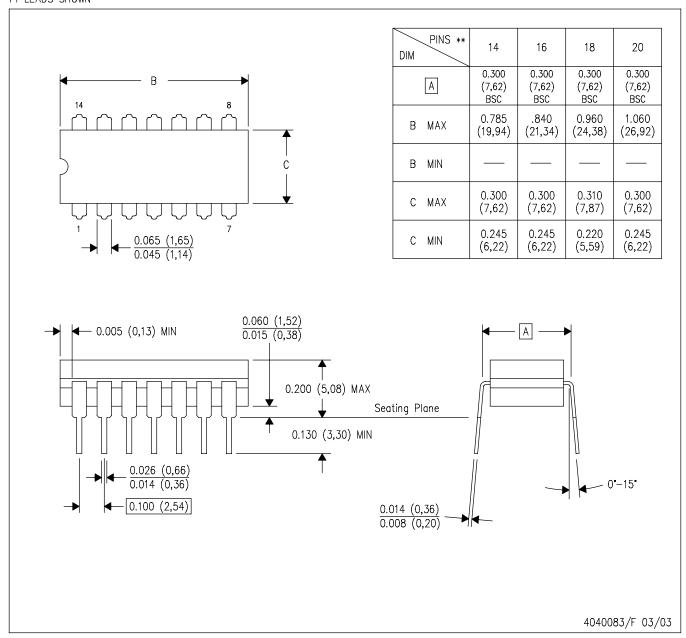
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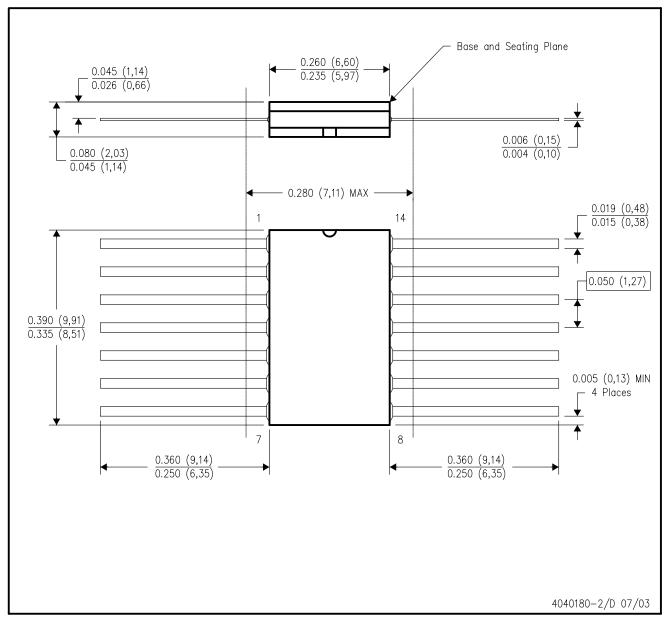
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- E. Falls within MIL STD 1835 GDIP1-T14, GDIP1-T16, GDIP1-T18 and GDIP1-T20.

W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



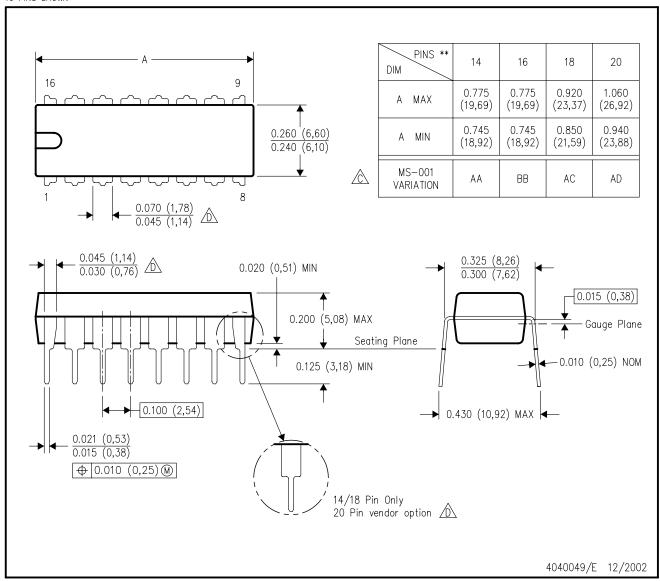
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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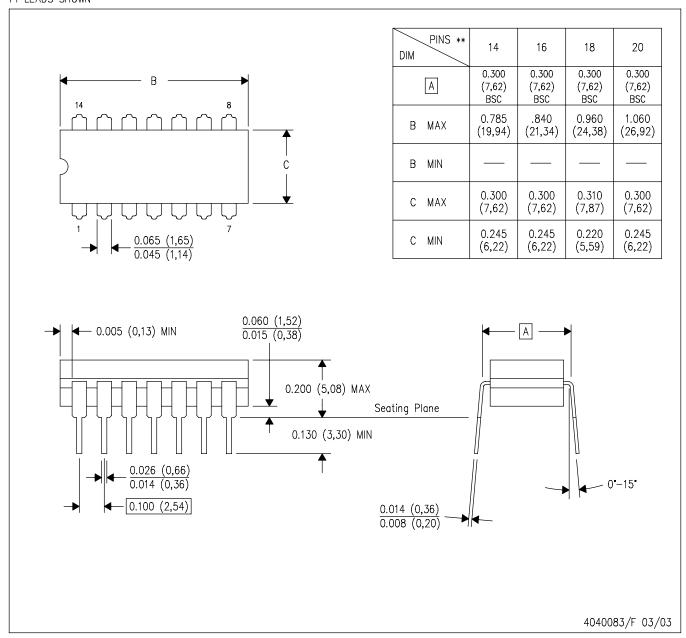
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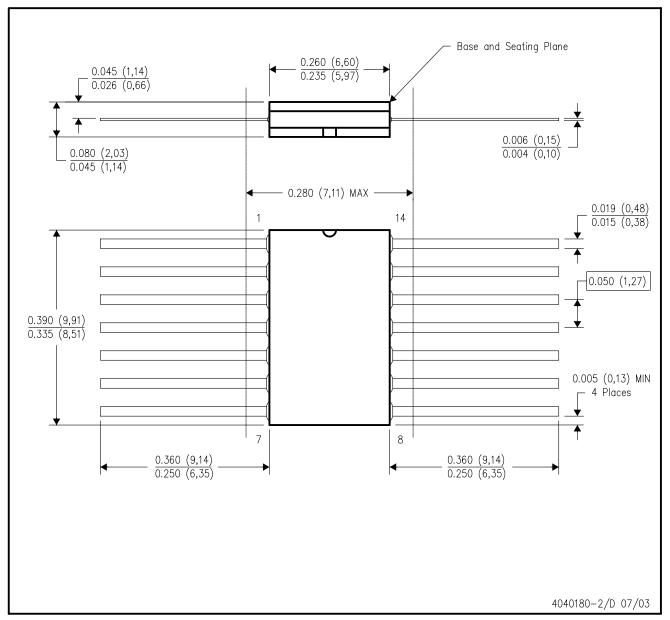
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



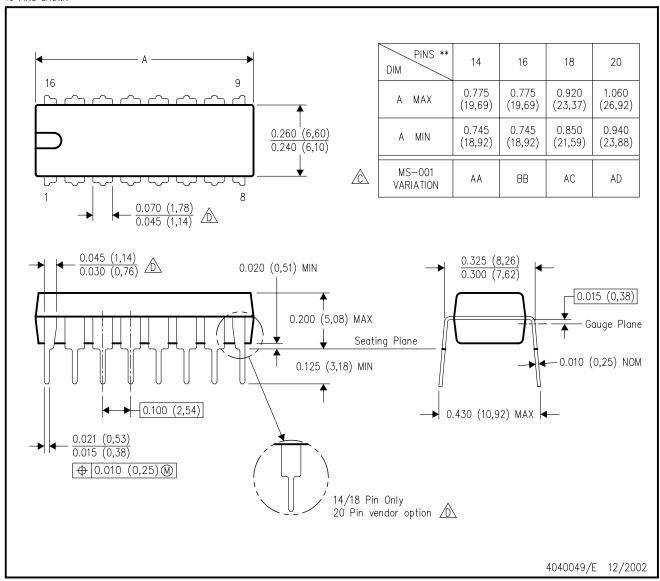
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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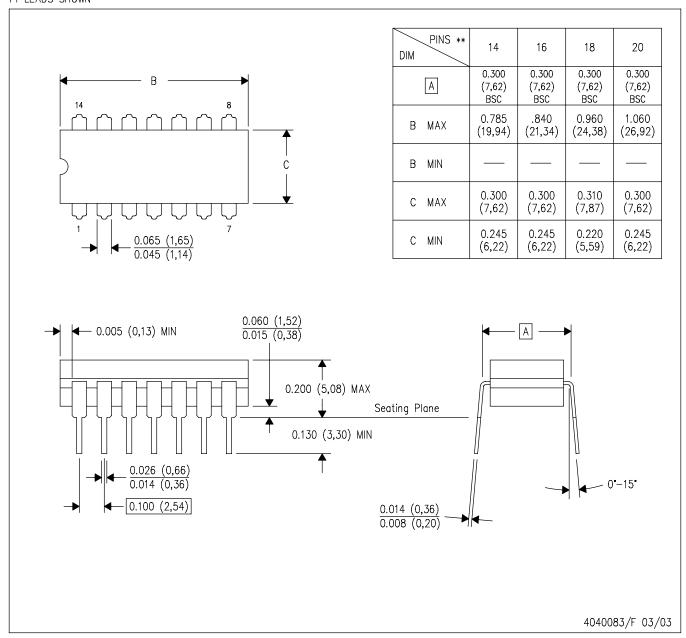
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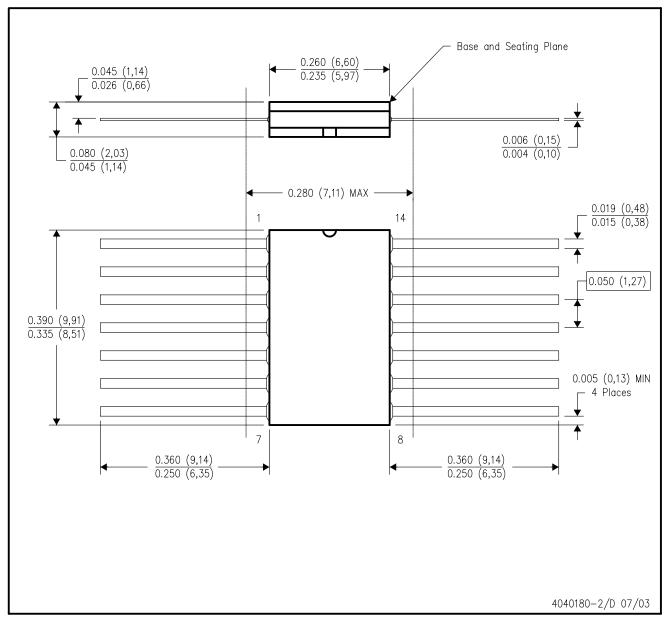
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



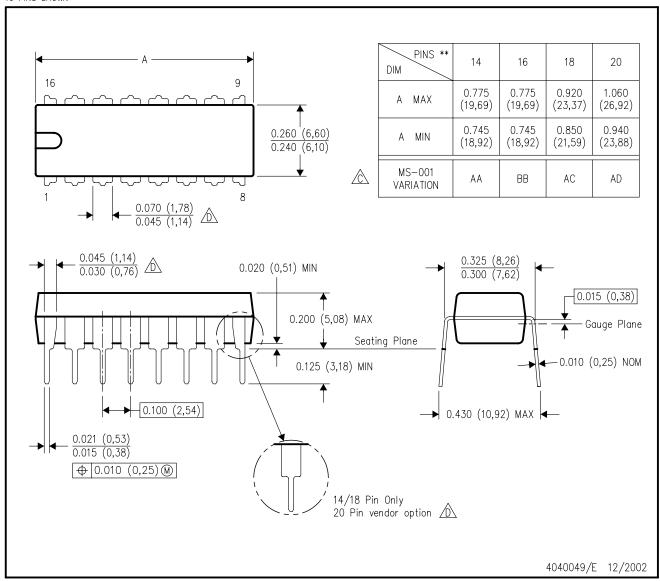
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- A. All linear dimensions are in inches (millimeters).
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- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
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SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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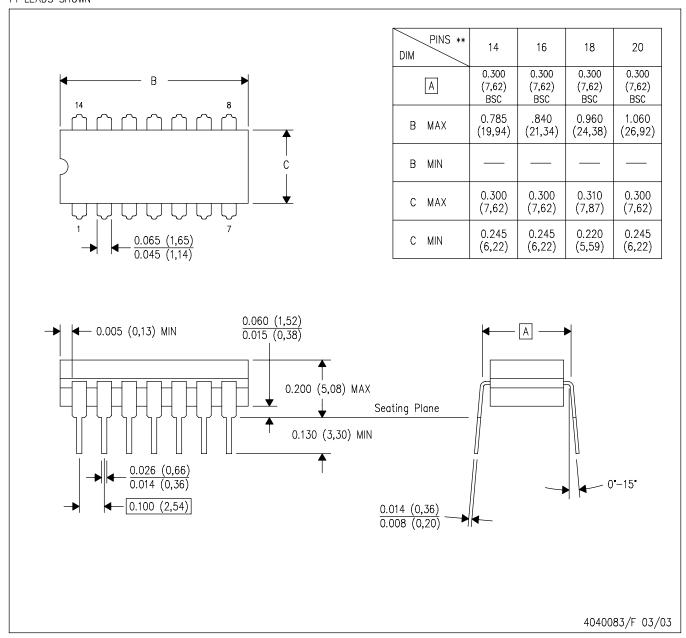
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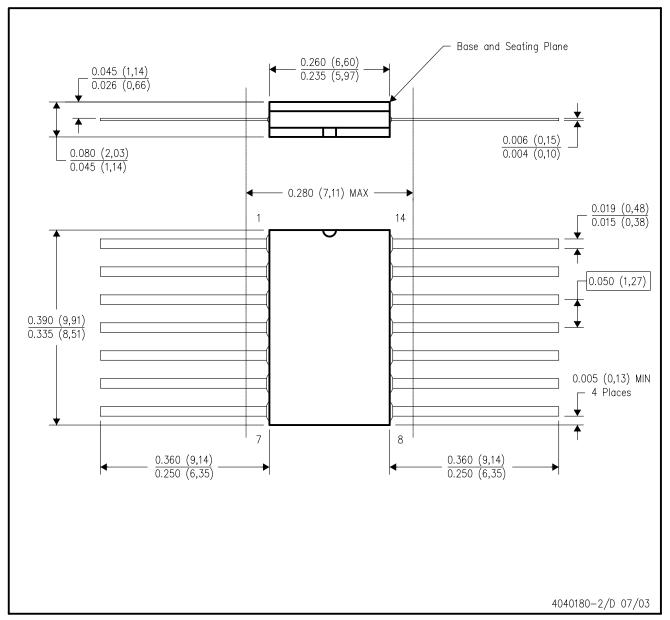
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CERAMIC DUAL FLATPACK



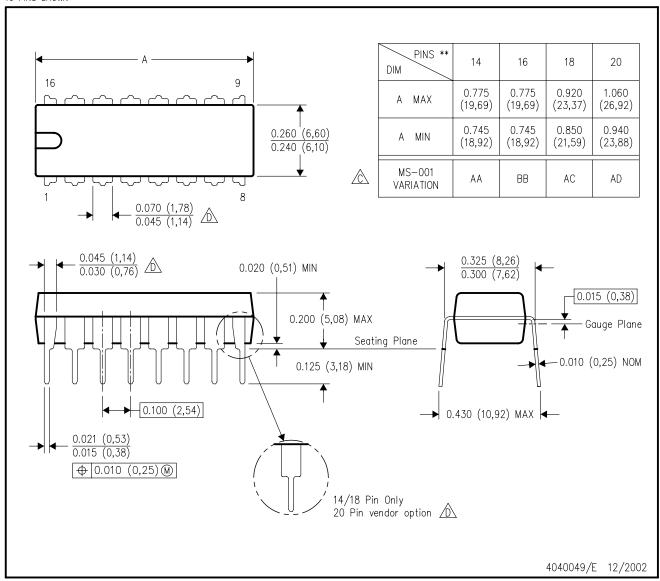
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



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SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
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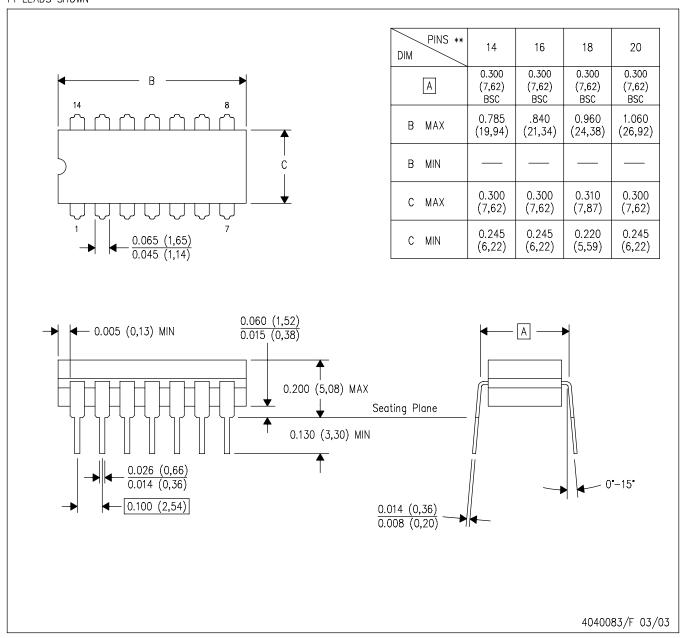


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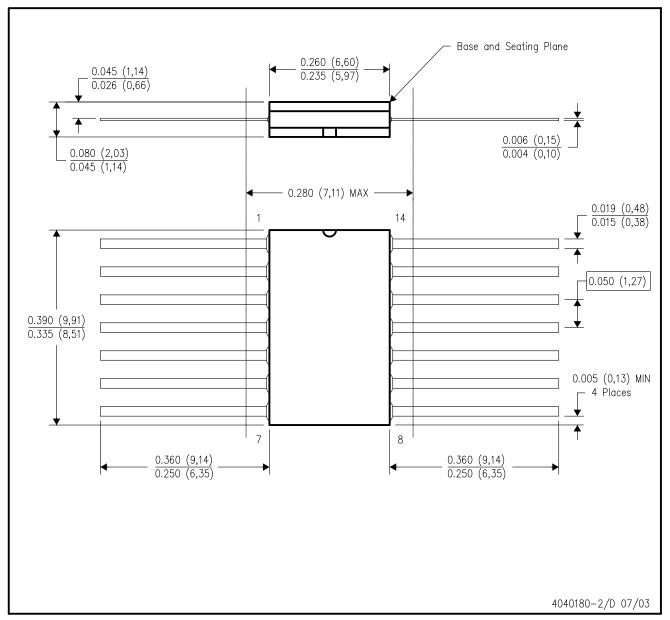
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14 LEADS SHOWN



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CERAMIC DUAL FLATPACK



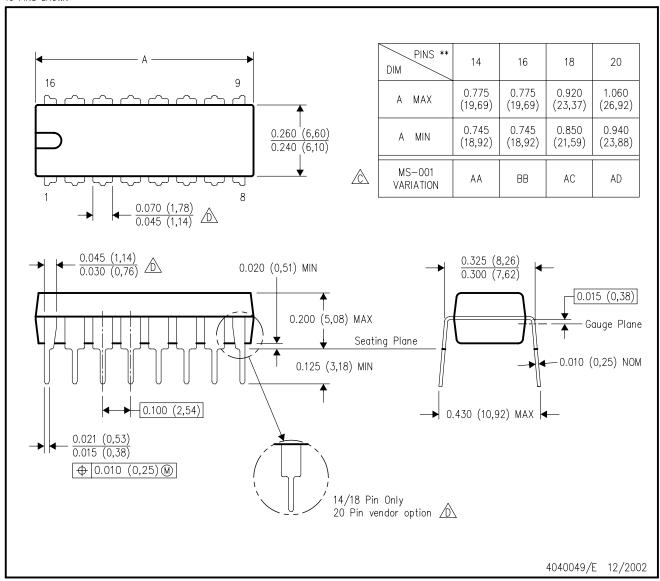
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- D. Index point is provided on cap for terminal identification only.
- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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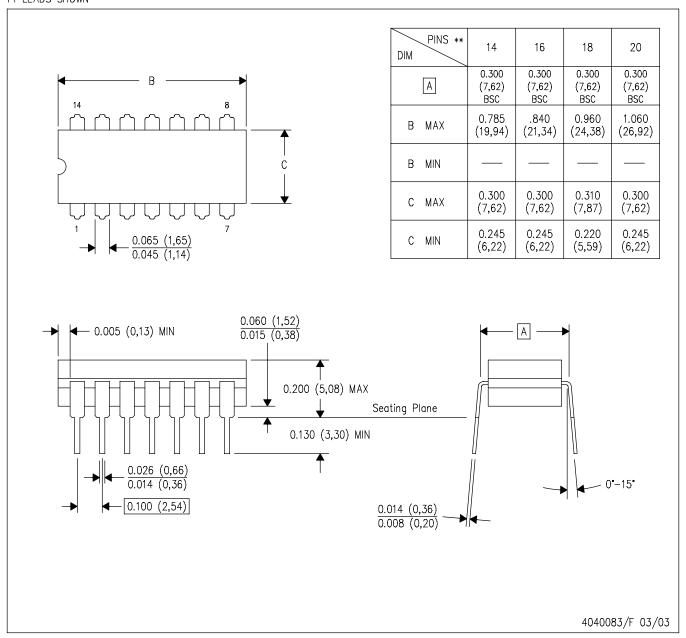


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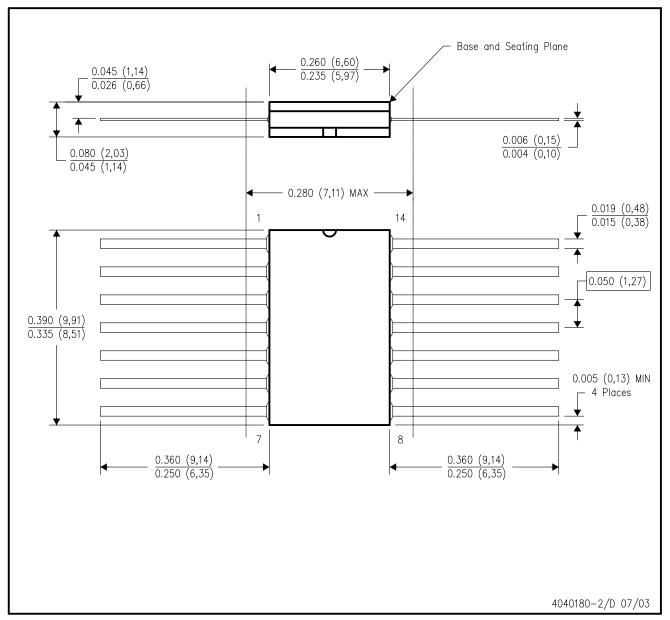
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14 LEADS SHOWN



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CERAMIC DUAL FLATPACK



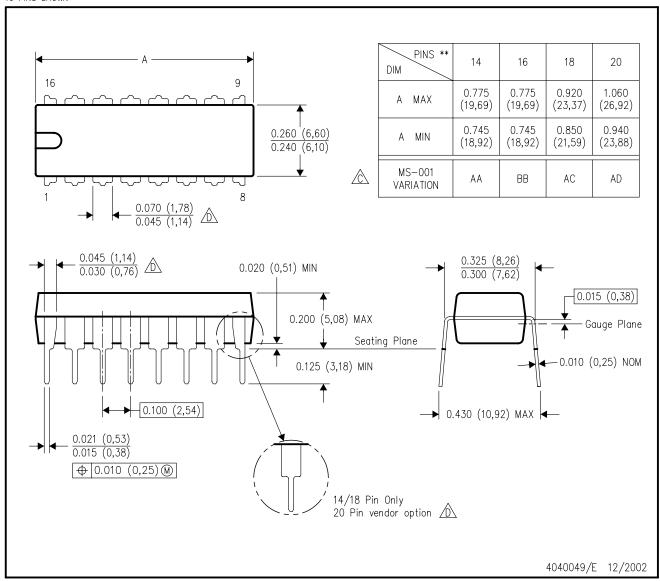
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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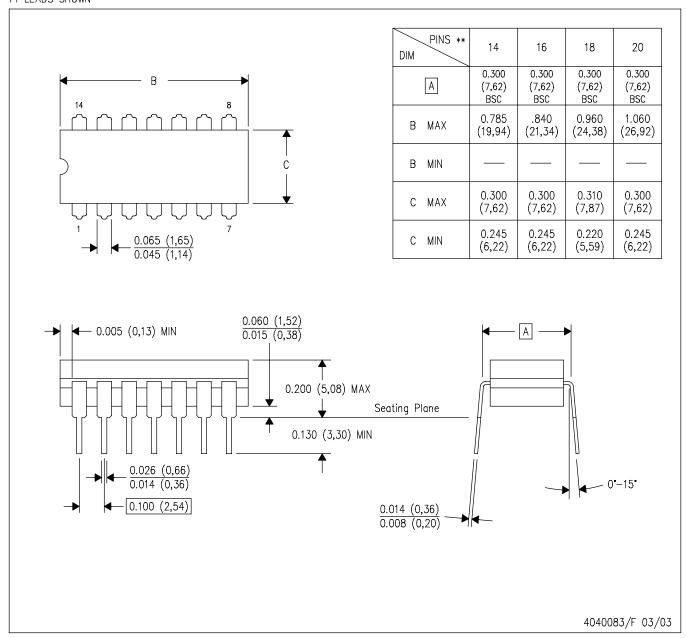


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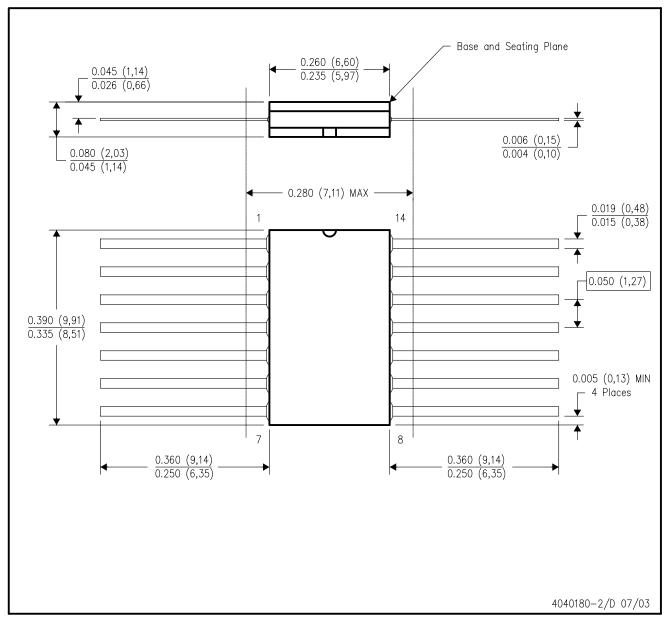
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CERAMIC DUAL FLATPACK



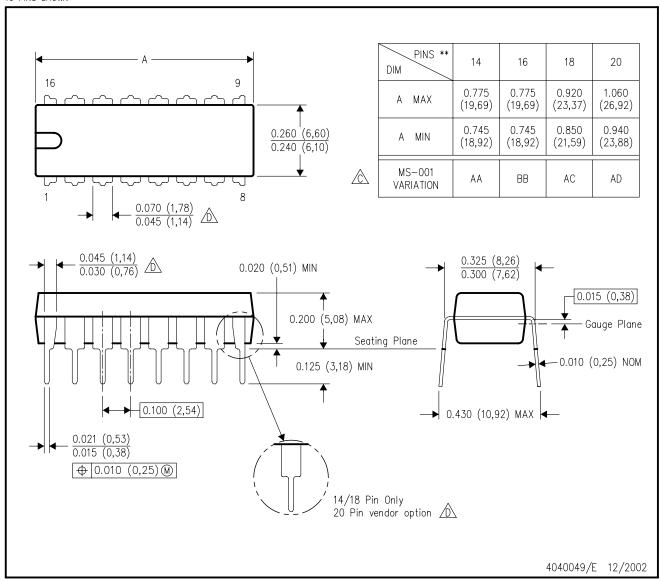
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- A. All linear dimensions are in inches (millimeters).
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- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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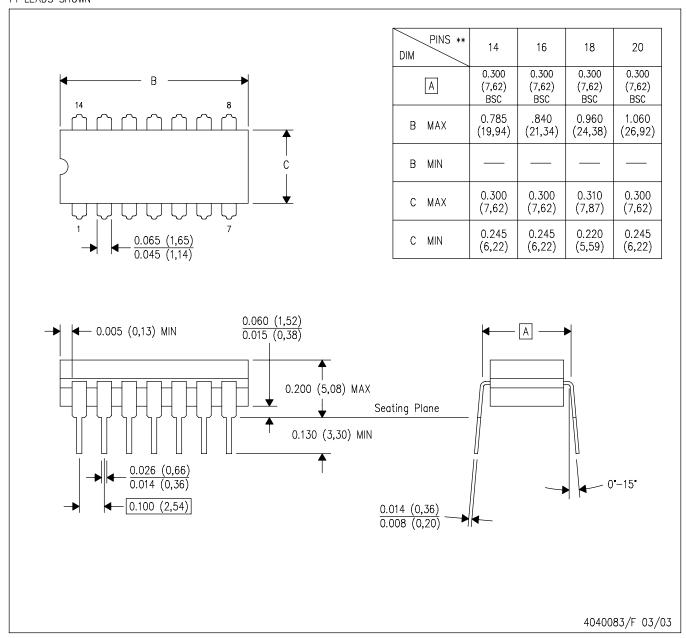


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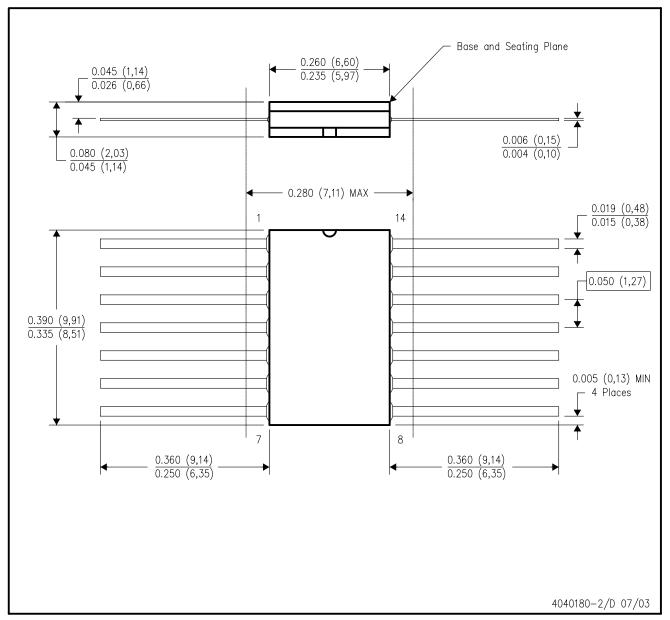
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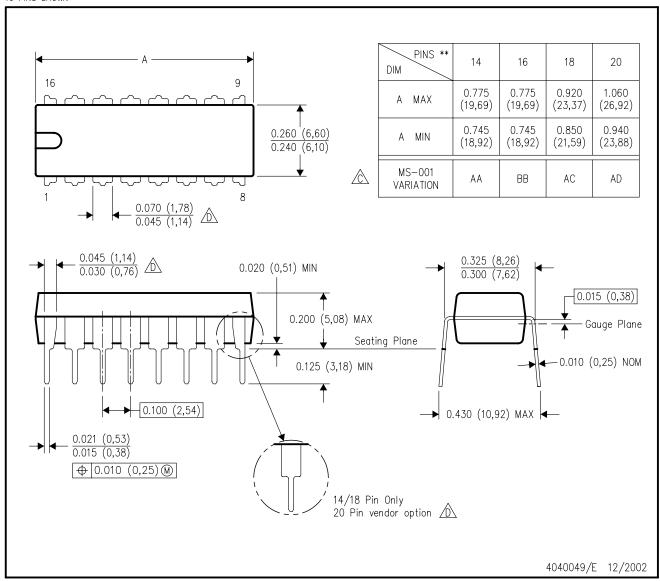
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SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
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SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
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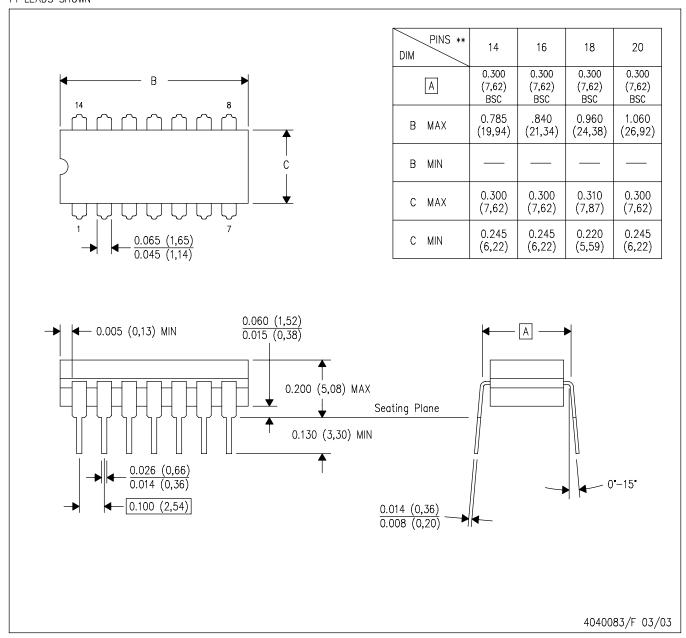


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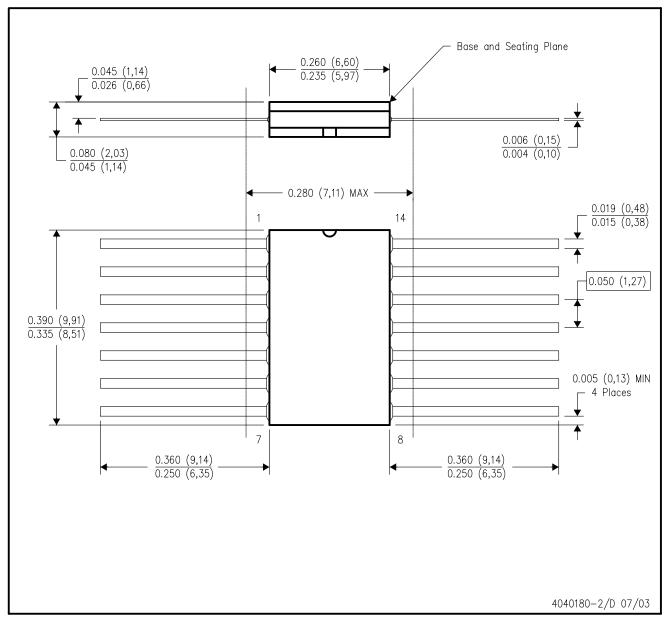
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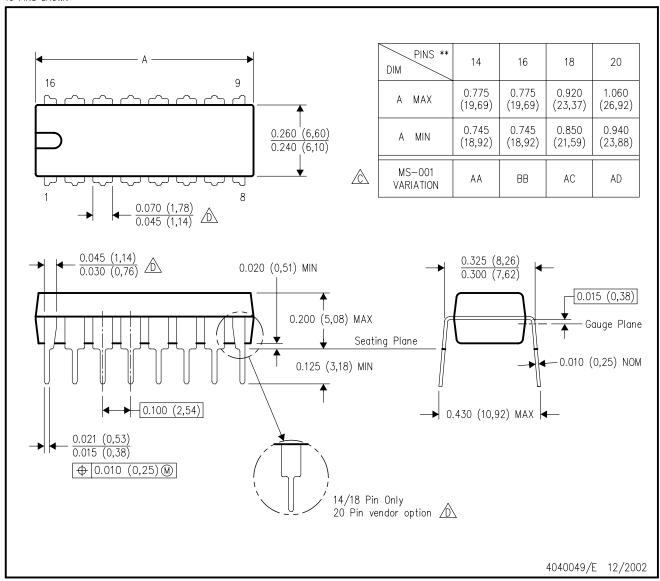
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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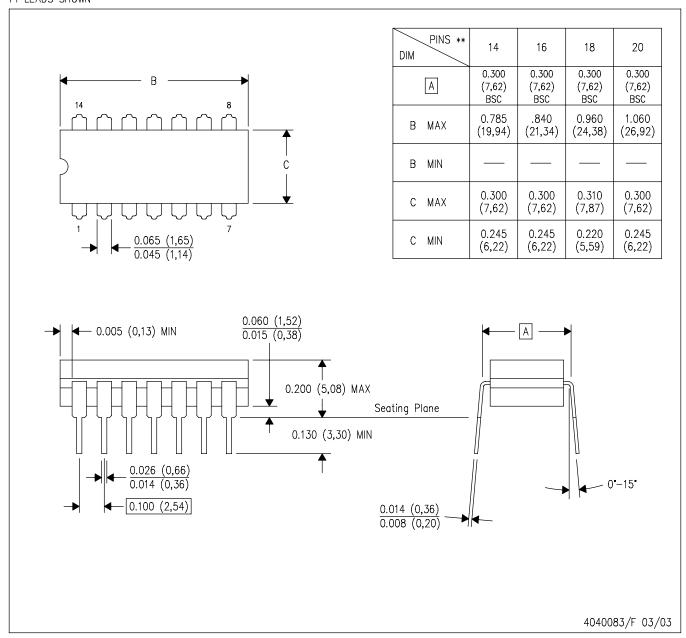


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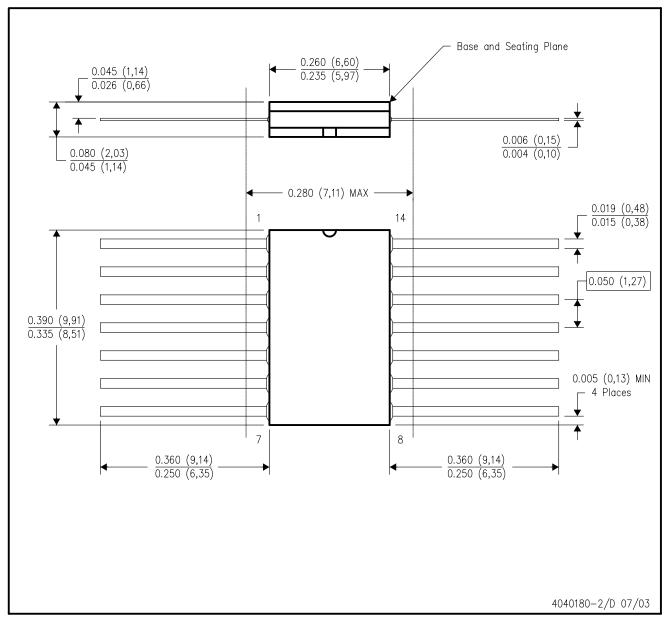
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14 LEADS SHOWN



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CERAMIC DUAL FLATPACK



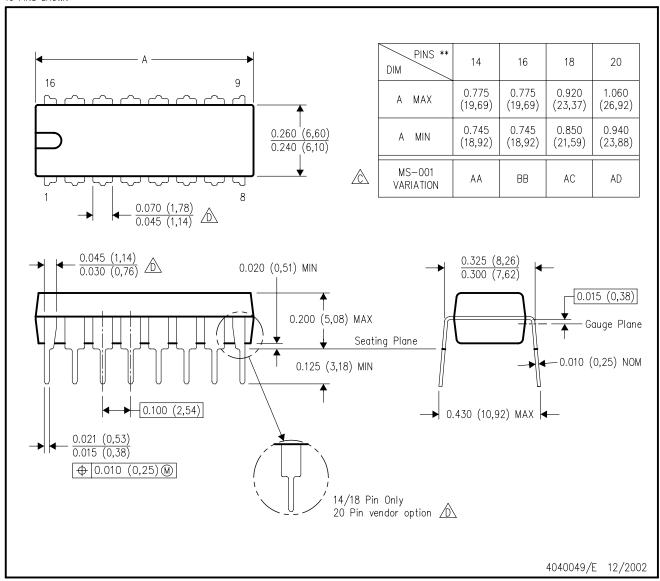
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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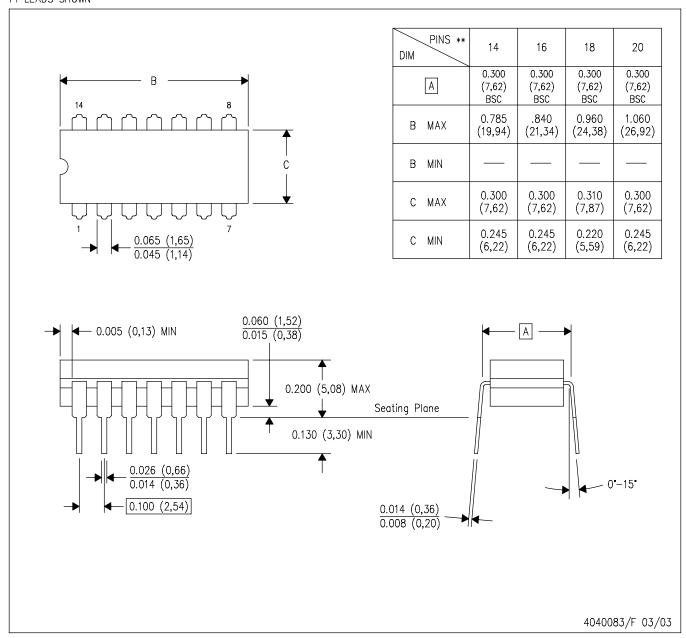


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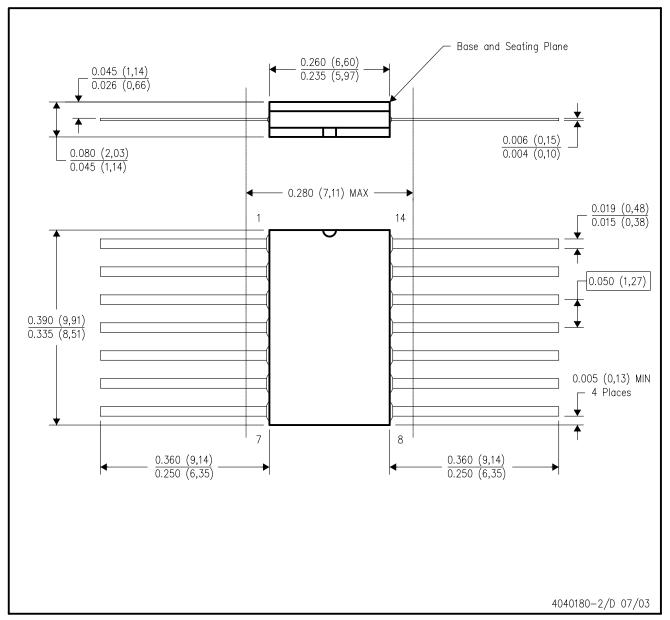
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- D. Index point is provided on cap for terminal identification only on press ceramic glass frit seal only.
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CERAMIC DUAL FLATPACK

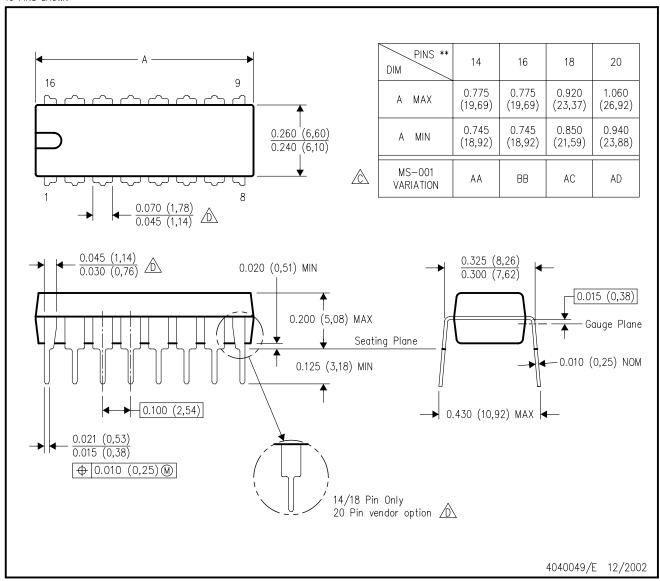


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PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



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- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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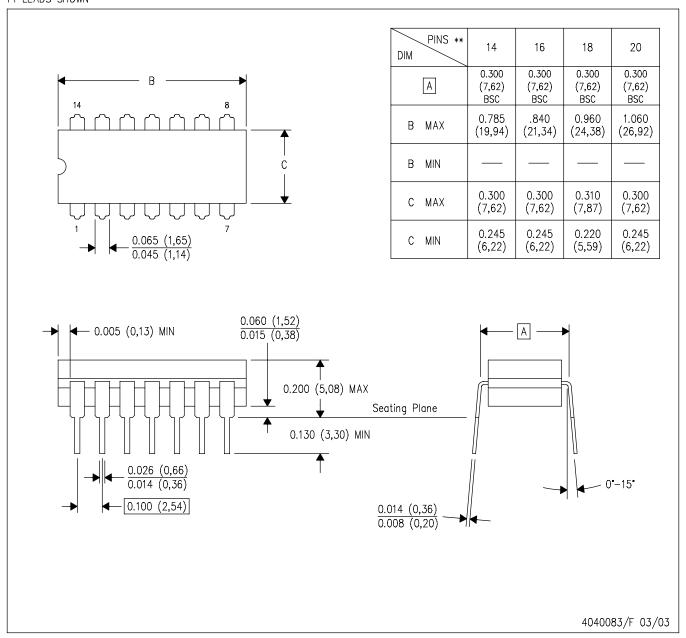


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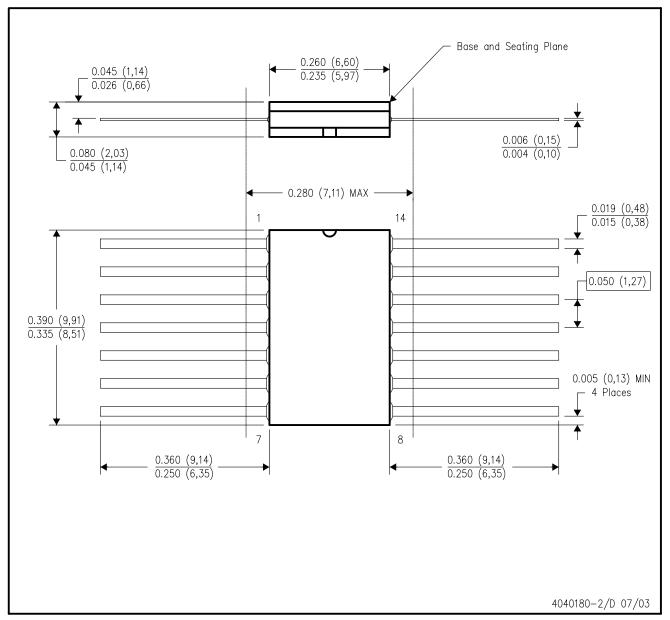
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK

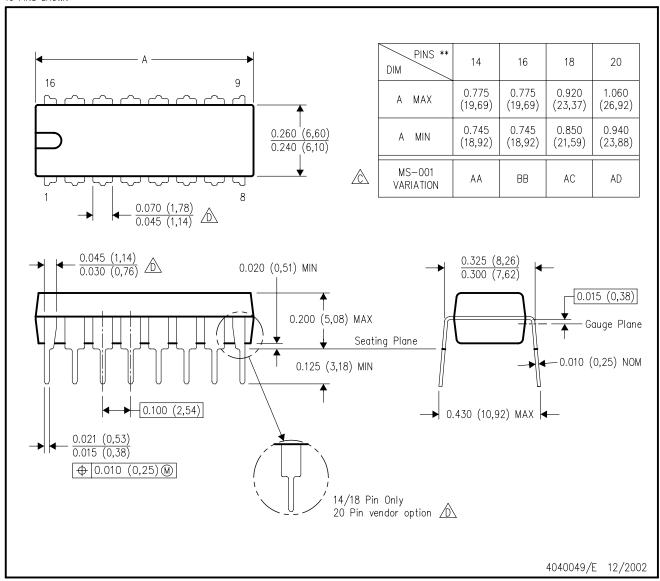


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PLASTIC DUAL-IN-LINE PACKAGE

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SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
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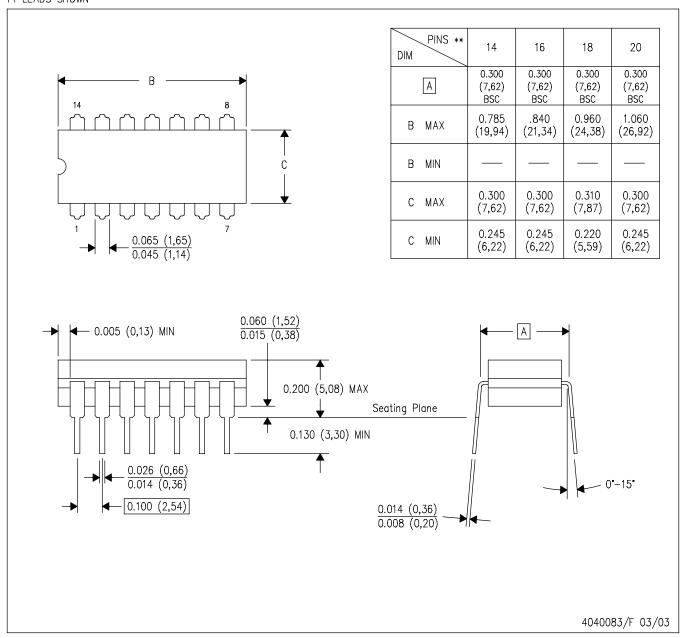


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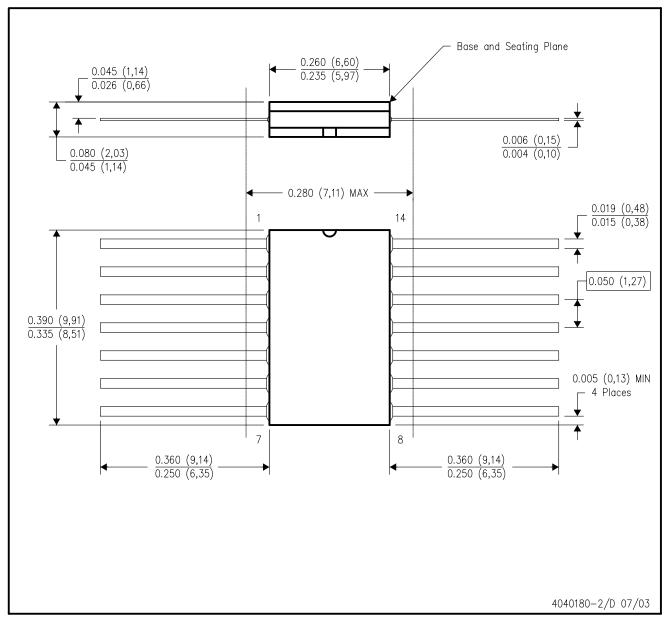
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK

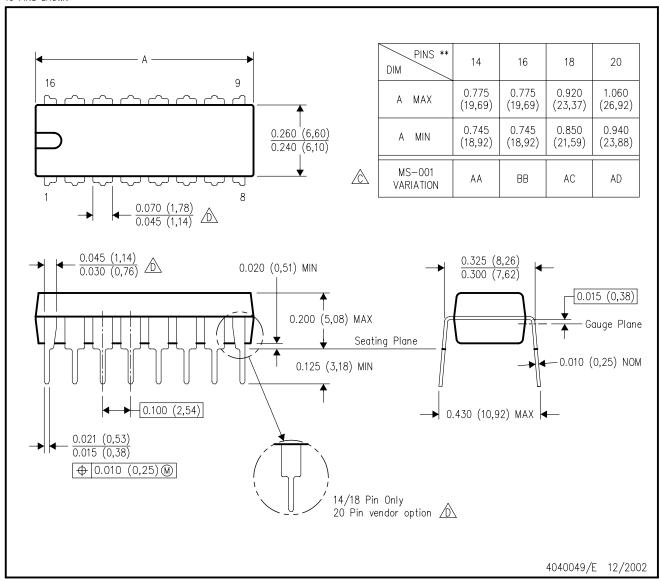


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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	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.

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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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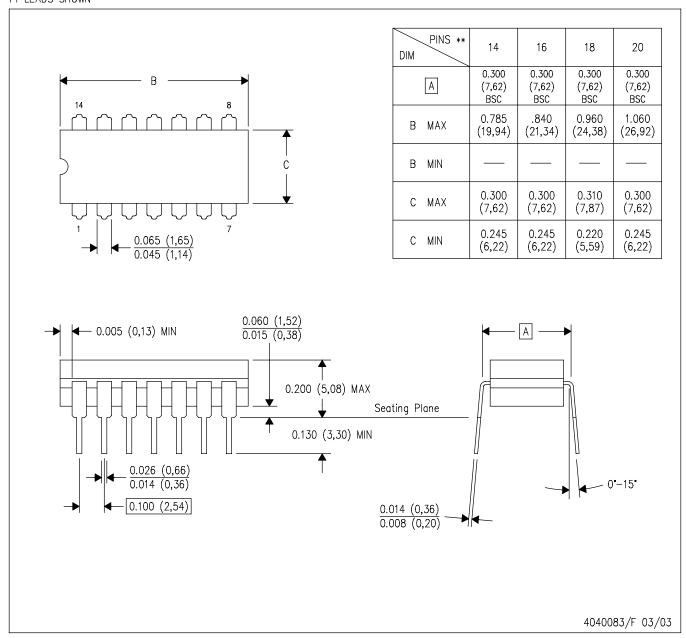


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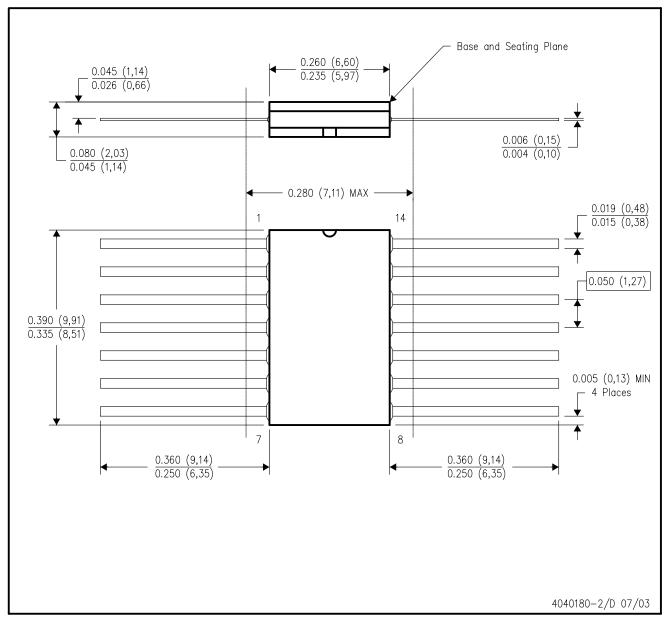
14 LEADS SHOWN



- 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

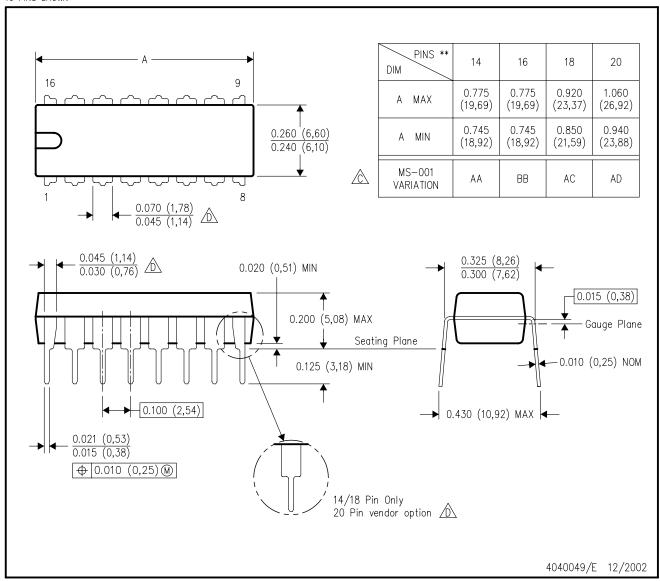


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- C. This package can be hermetically sealed with a ceramic lid using glass frit.
- D. Index point is provided on cap for terminal identification only.
- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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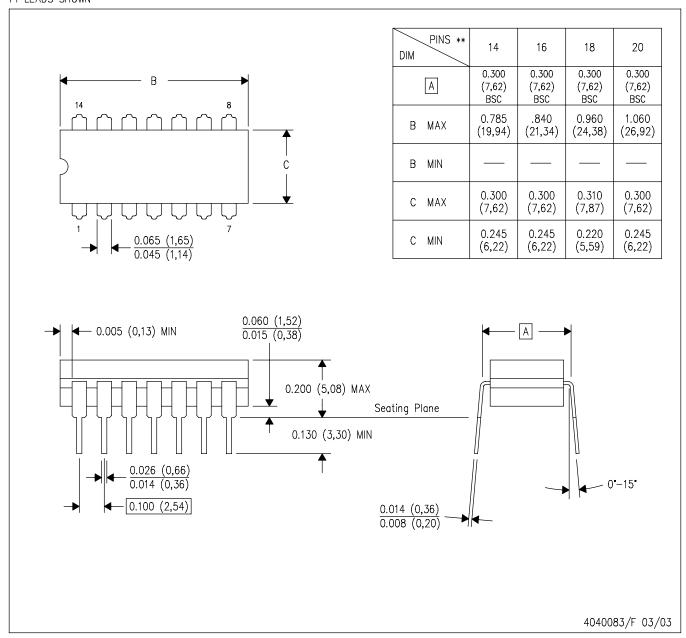


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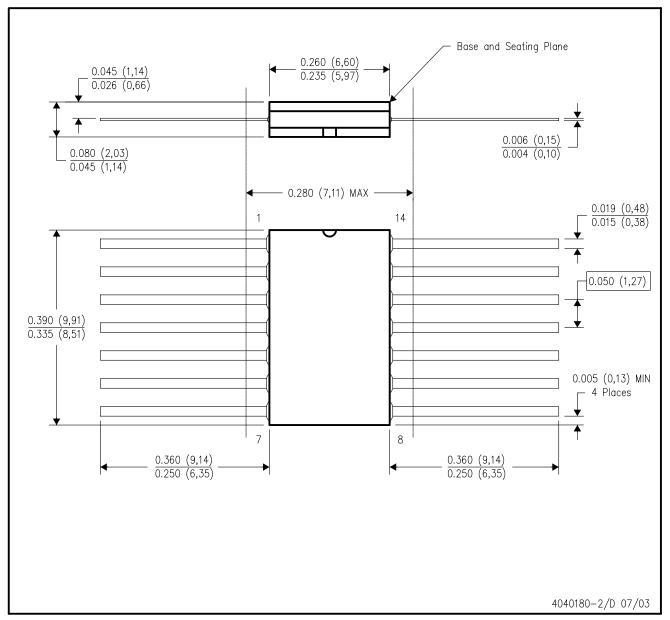
14 LEADS SHOWN



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- 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

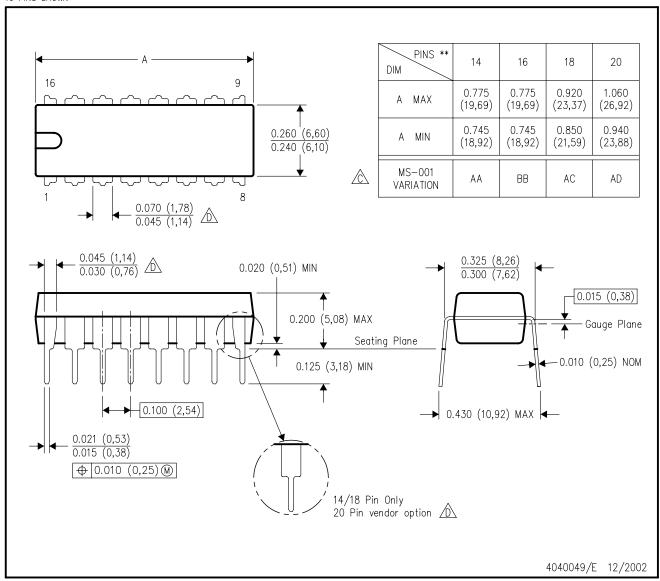


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- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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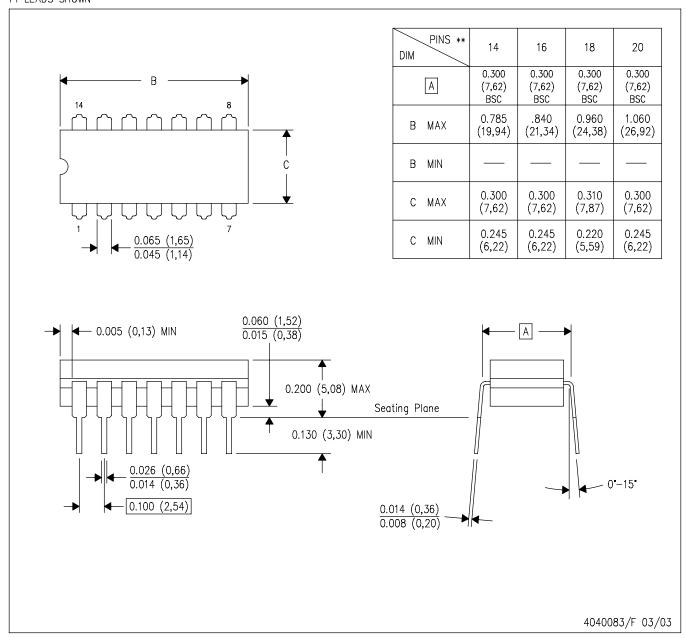


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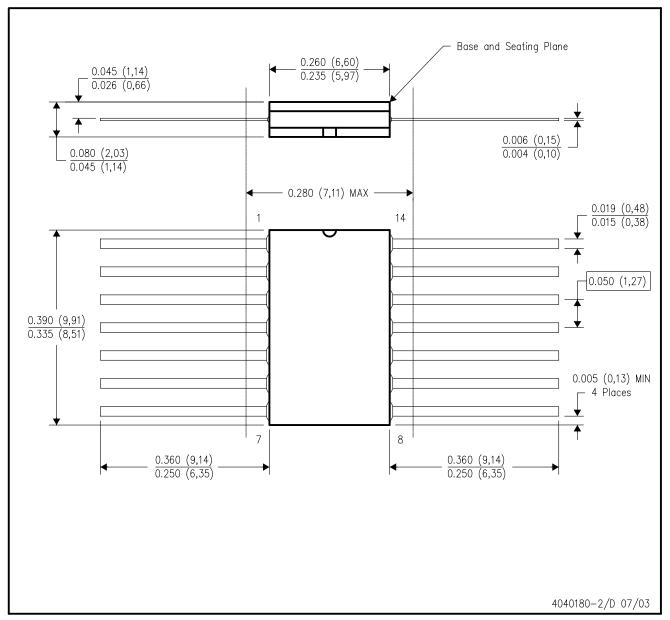
14 LEADS SHOWN



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- D. Index point is provided on cap for terminal identification only on press ceramic glass frit seal only.
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK

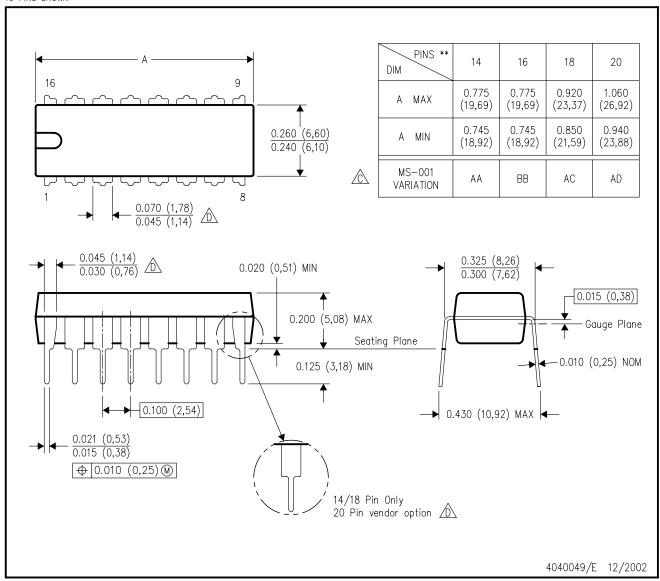


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PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
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Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
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SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
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SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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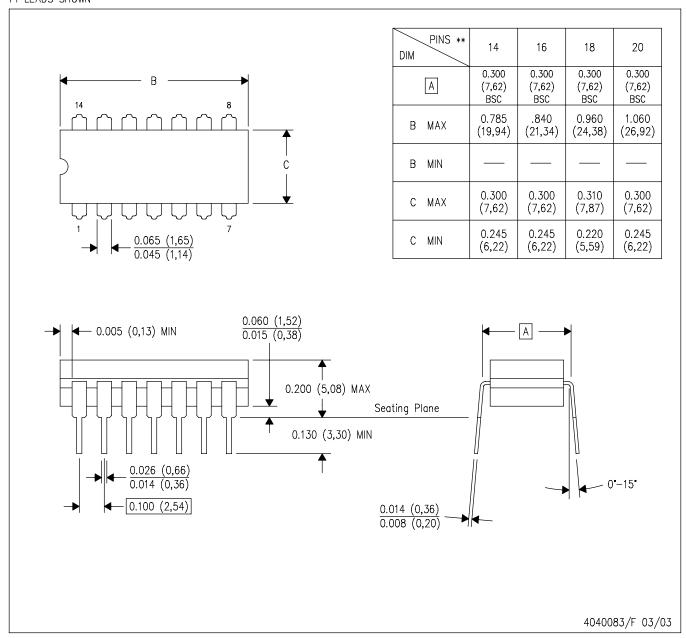


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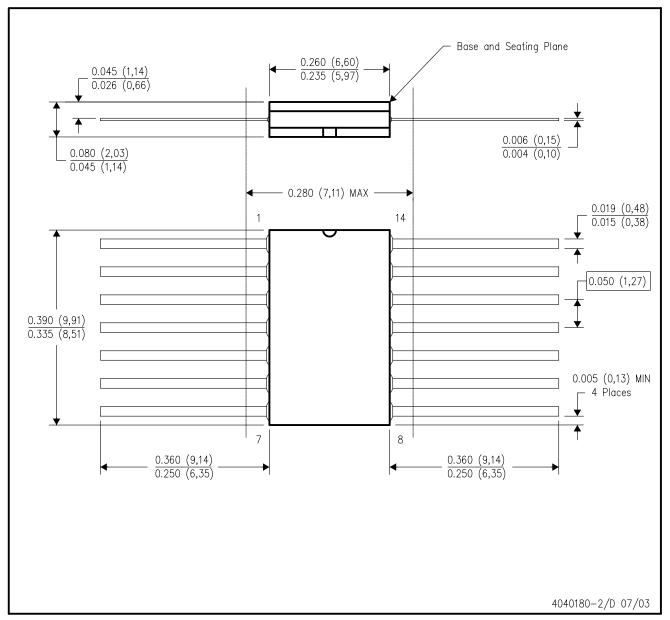
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK

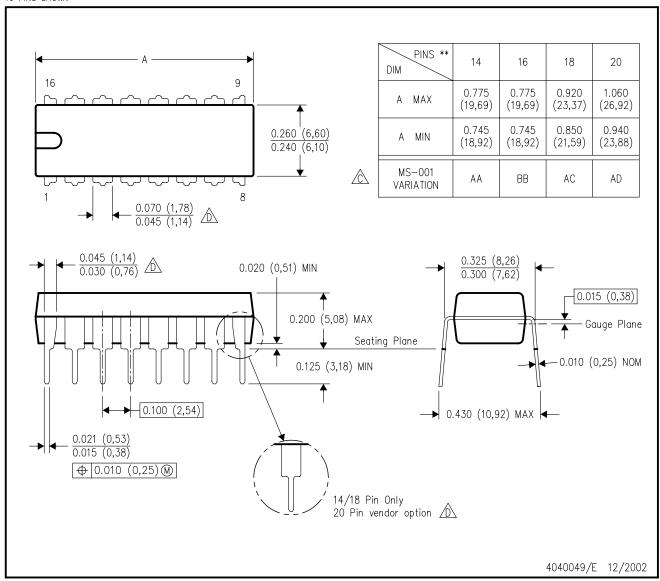


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PLASTIC DUAL-IN-LINE PACKAGE

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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

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(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

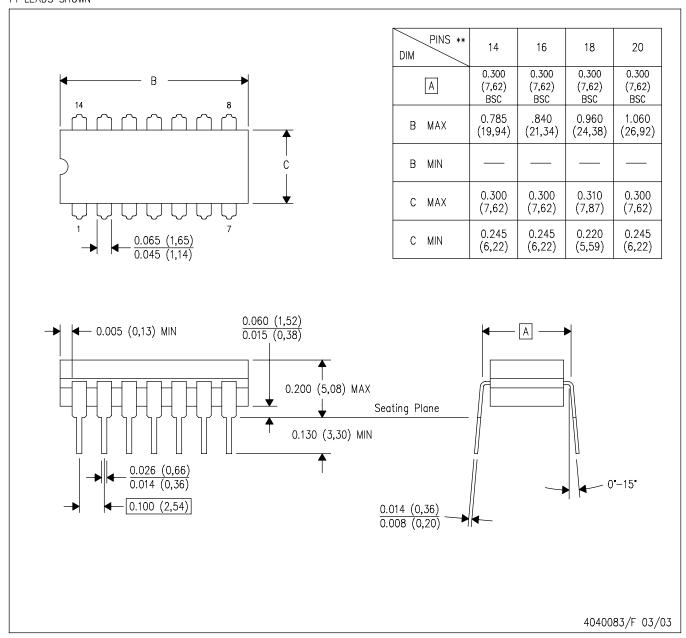


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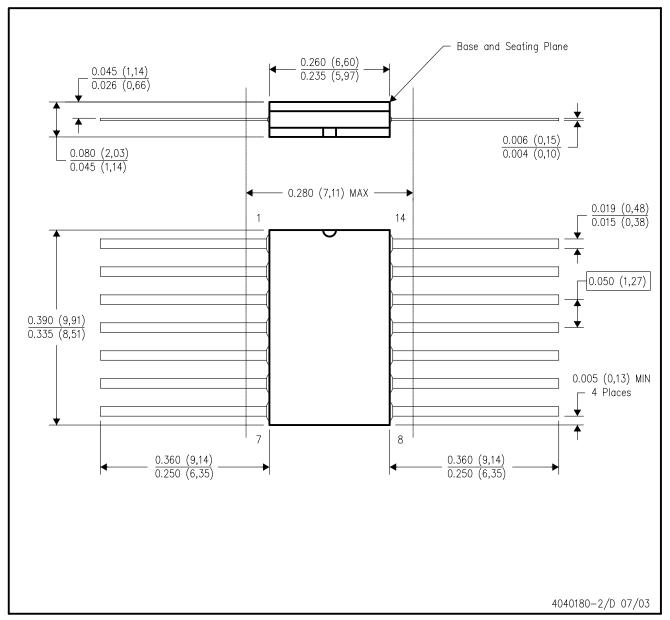
14 LEADS SHOWN



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- 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

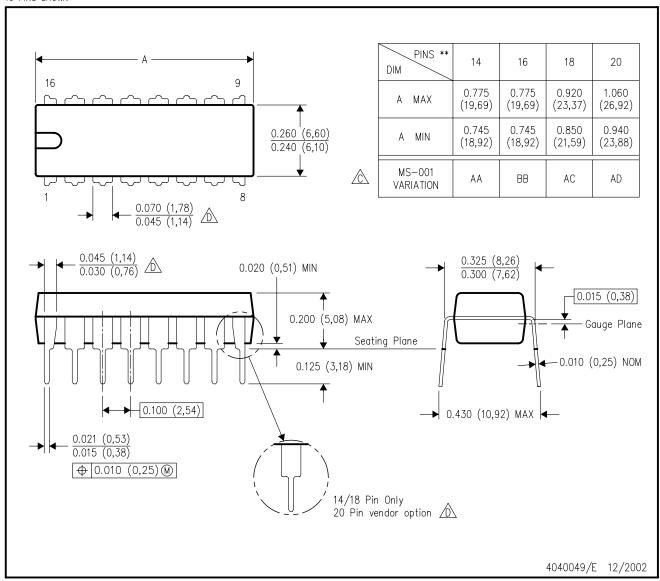


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- C. This package can be hermetically sealed with a ceramic lid using glass frit.
- D. Index point is provided on cap for terminal identification only.
- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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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.

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

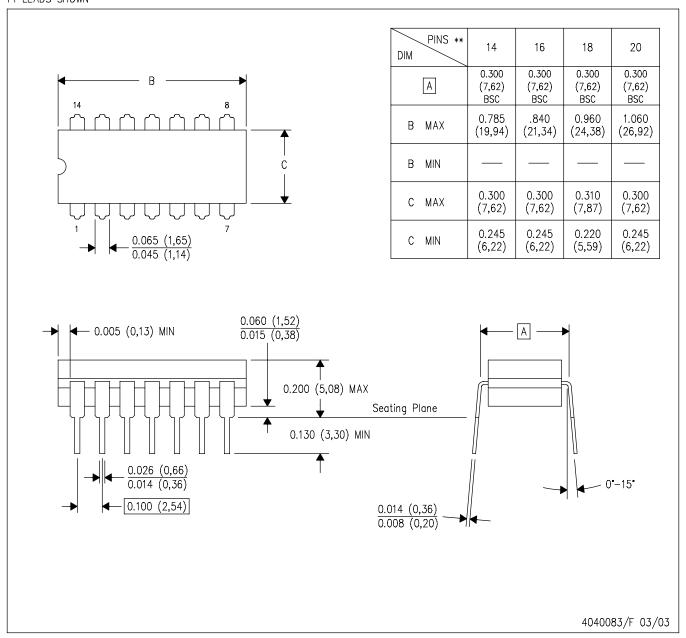


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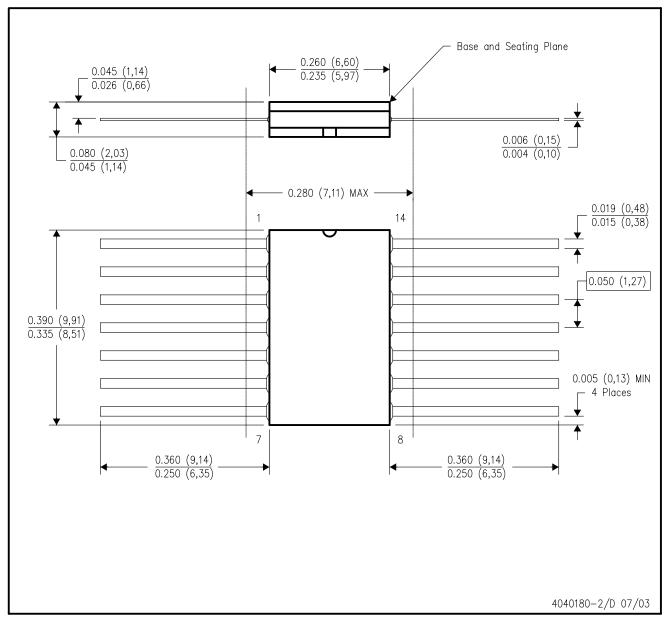
14 LEADS SHOWN



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- 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



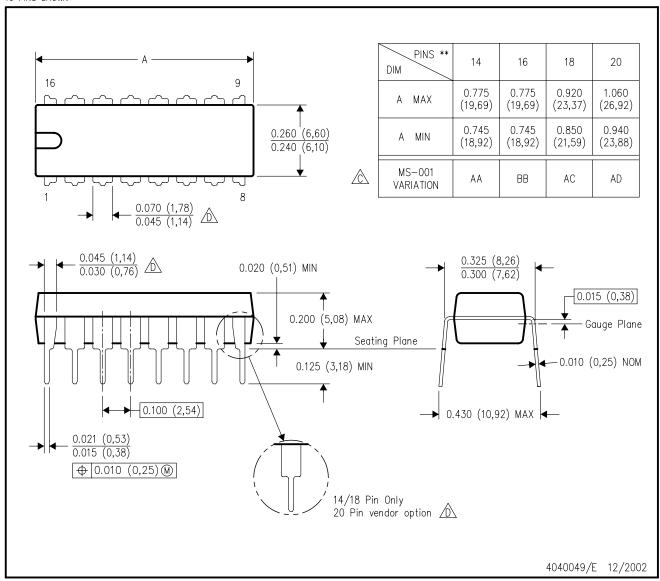
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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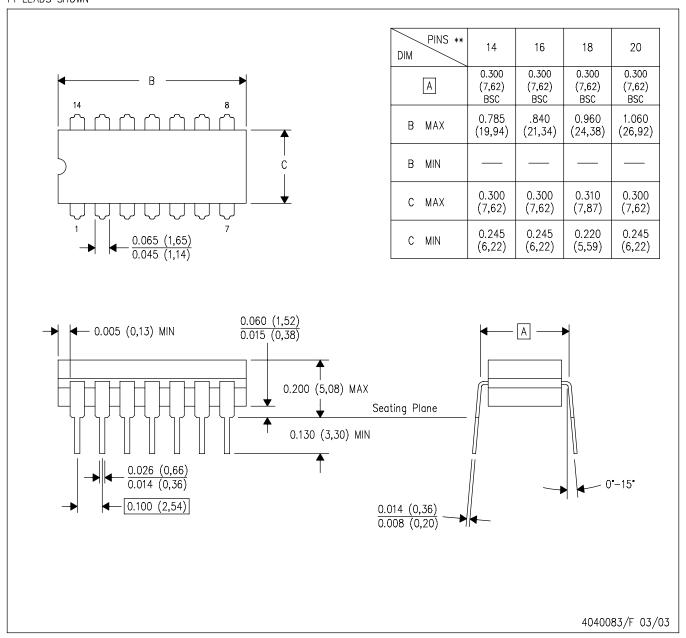


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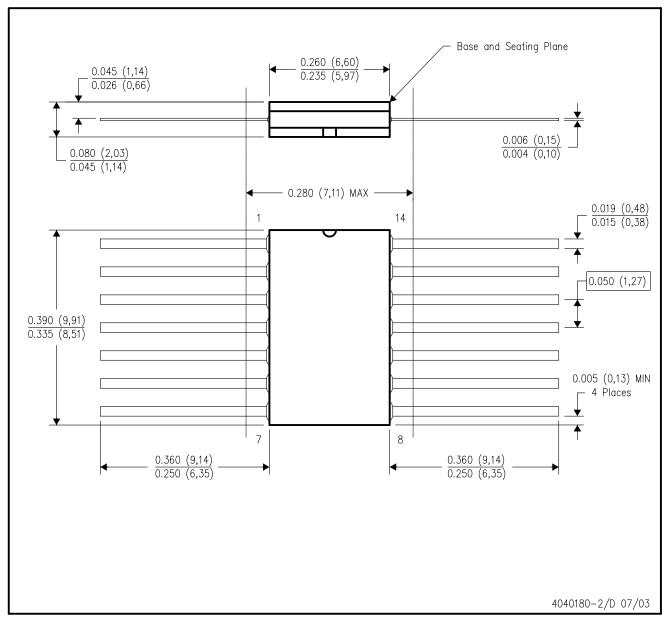
14 LEADS SHOWN



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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



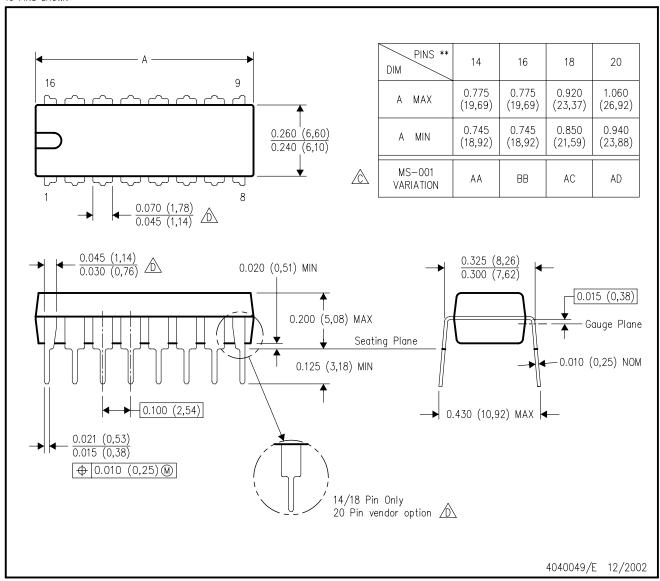
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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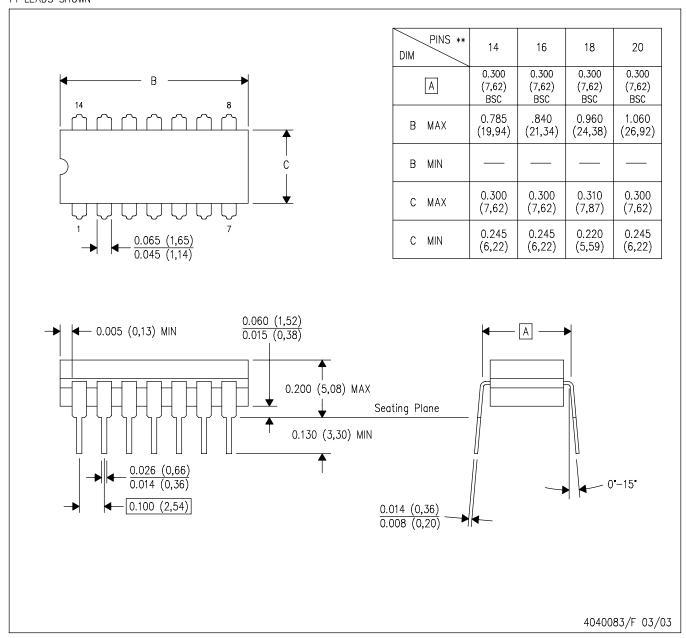


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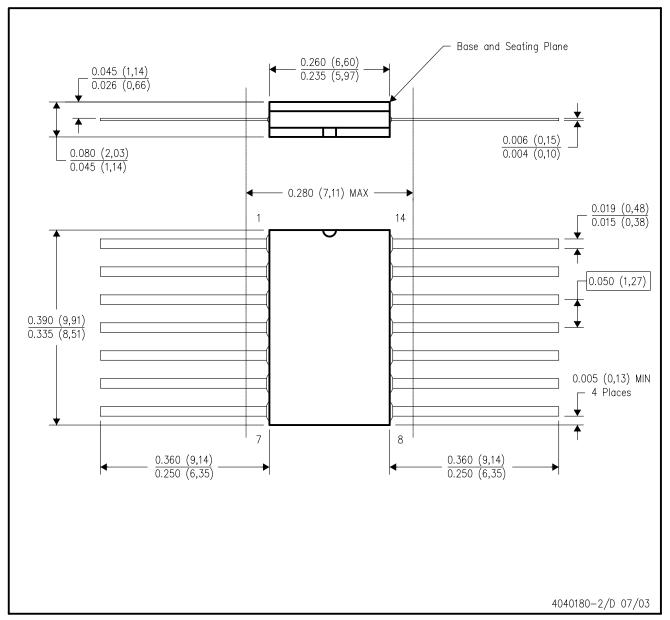
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



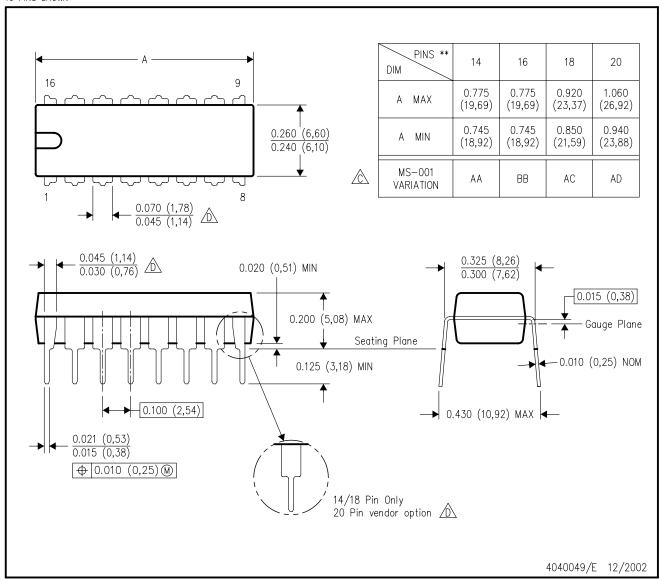
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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ACTIVE: Product device recommended for new designs.

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(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.

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

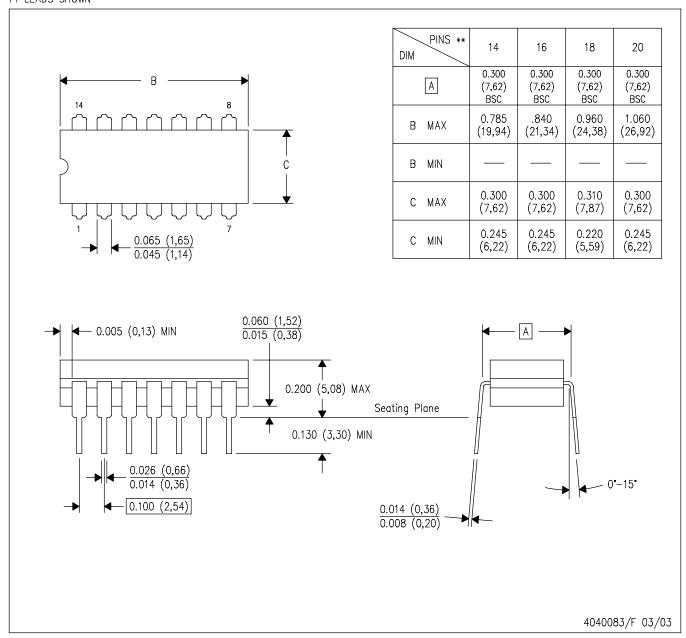


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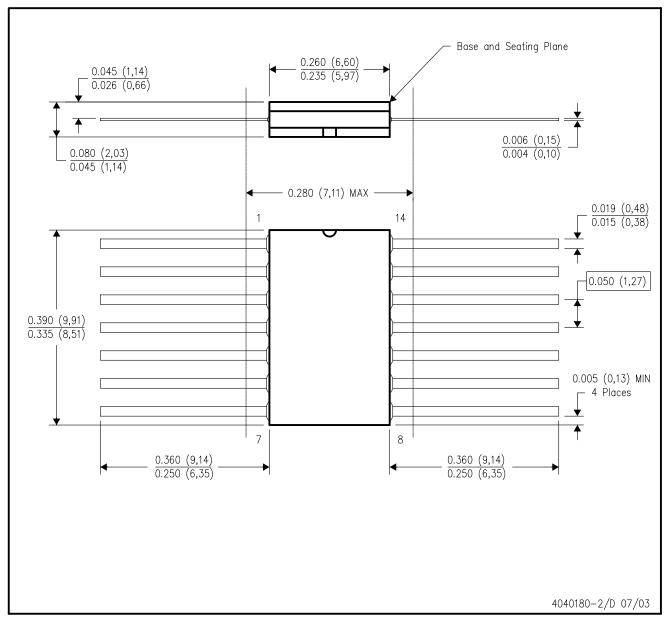
14 LEADS SHOWN



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- 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



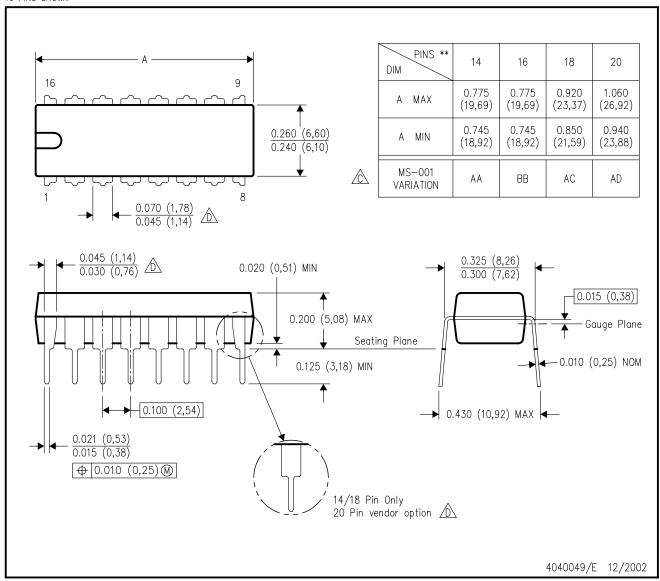
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- B. This drawing is subject to change without notice.
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- D. Index point is provided on cap for terminal identification only.
- E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9763601QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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(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.

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

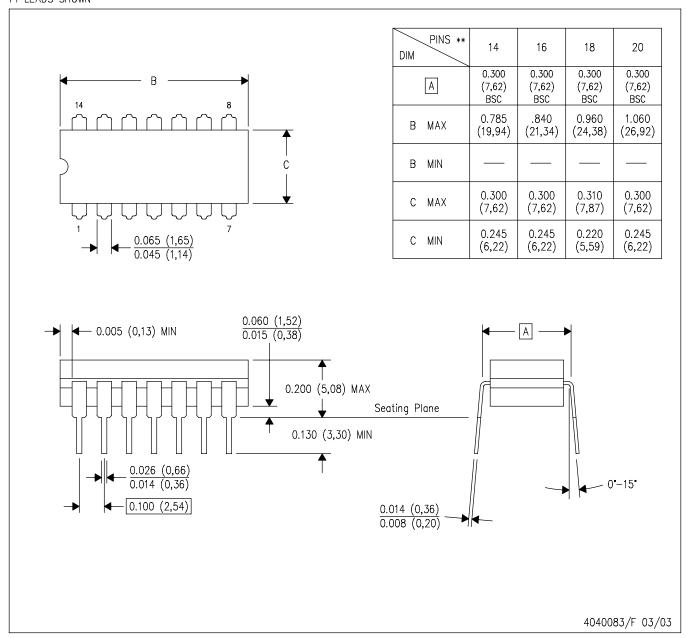


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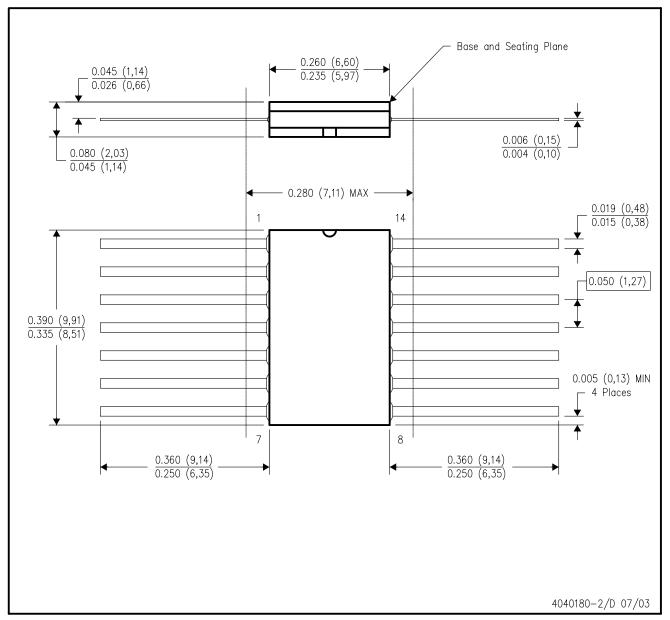
14 LEADS SHOWN



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- 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



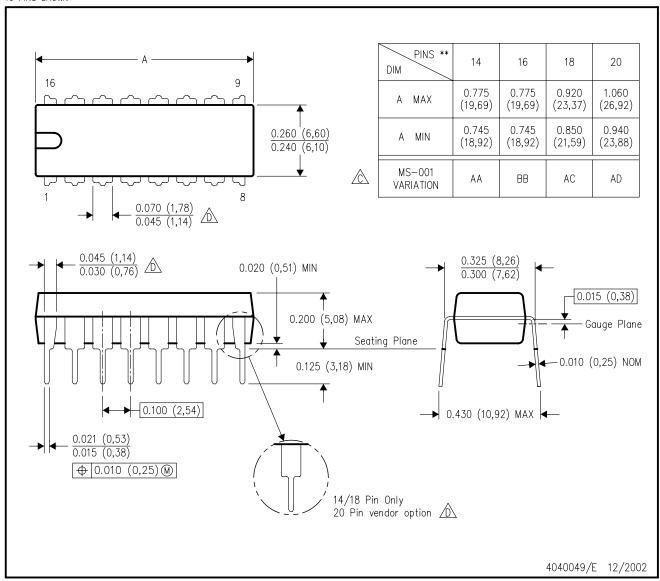
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGING INFORMATION

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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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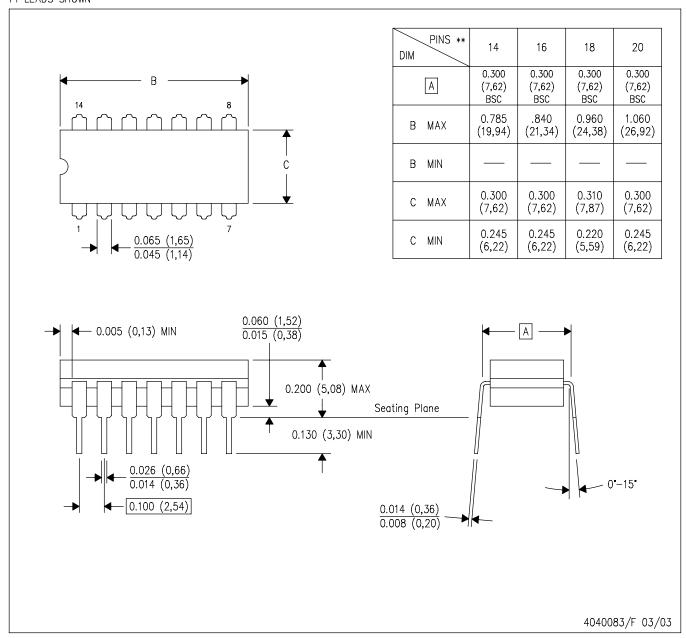


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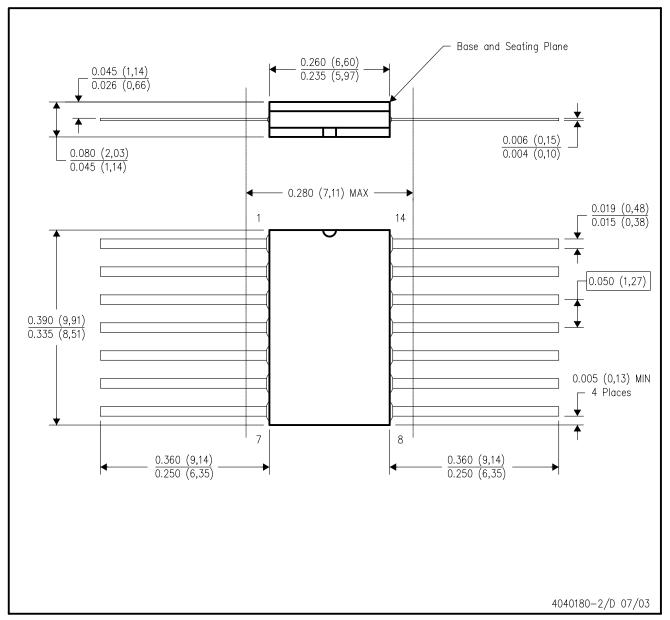
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



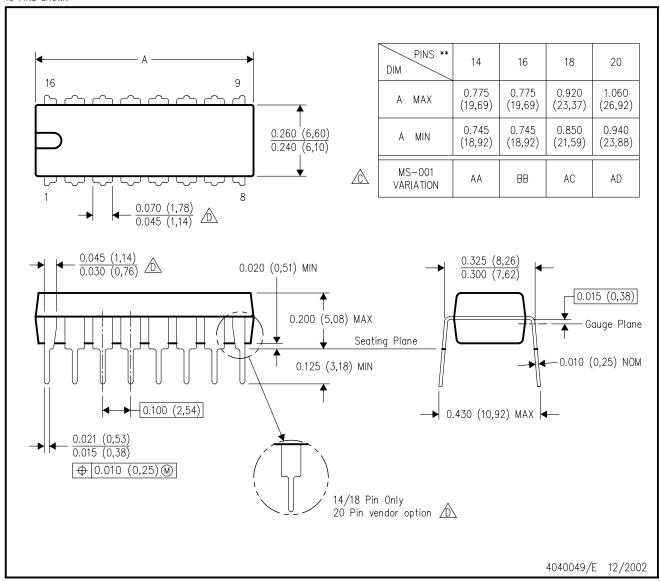
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- A. All linear dimensions are in inches (millimeters).
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- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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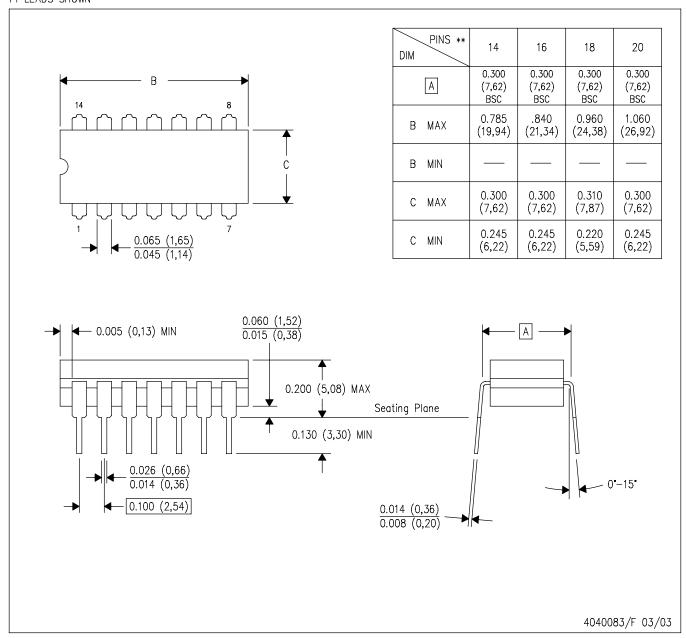


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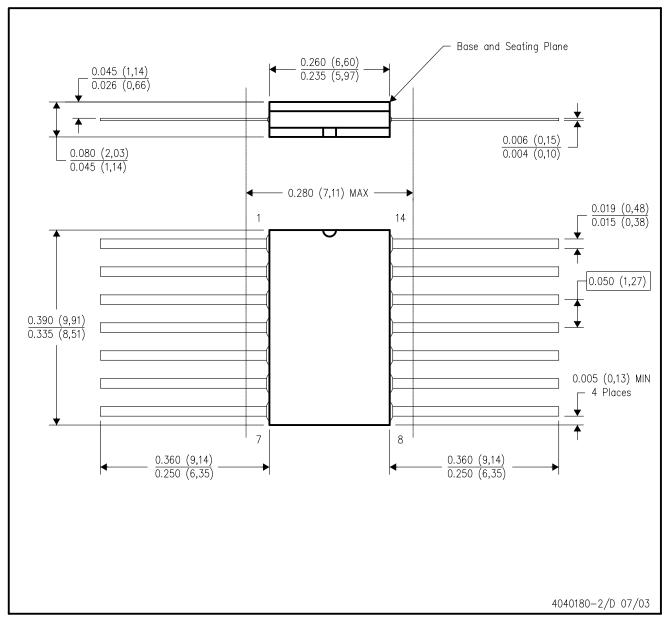
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W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



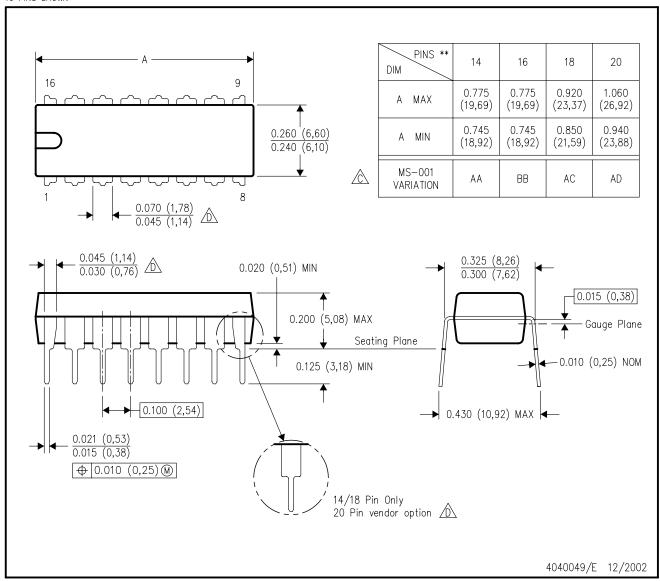
- A. All linear dimensions are in inches (millimeters).
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N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- 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).
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SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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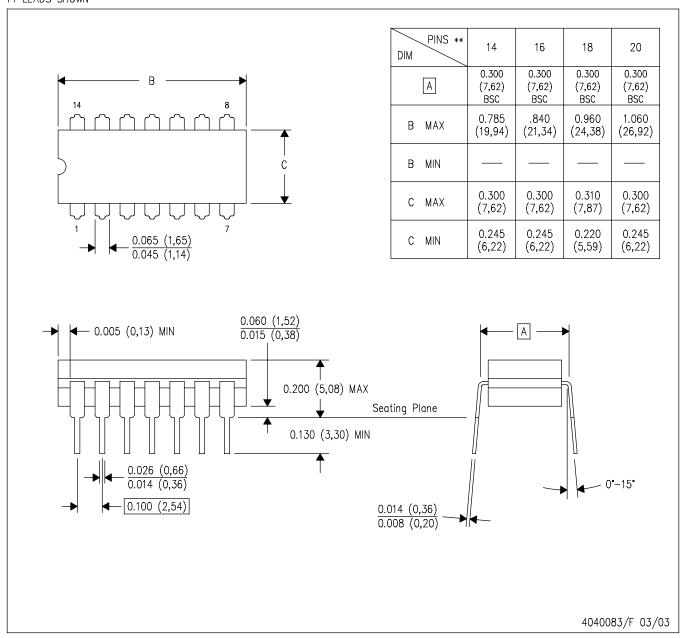
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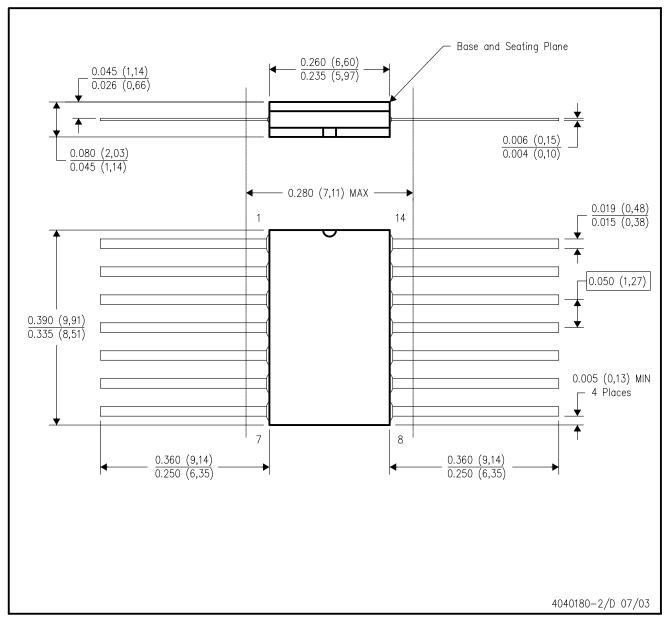
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CERAMIC DUAL FLATPACK

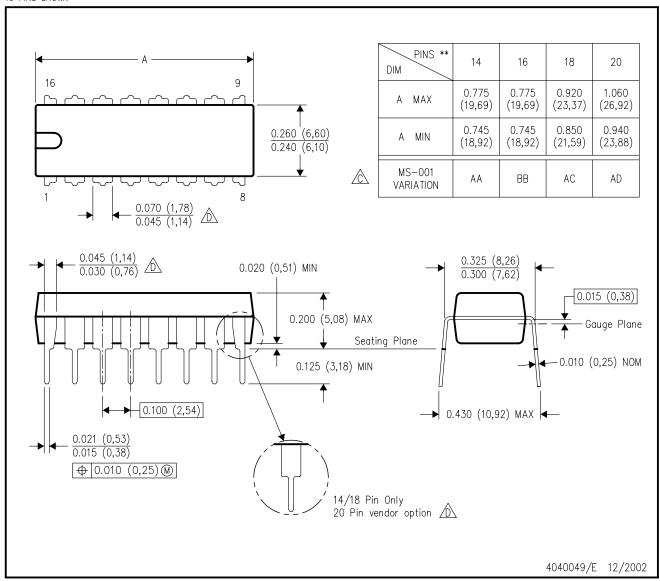


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PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



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



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PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5423W	OBSOLETE			16		TBD	Call TI	Call TI
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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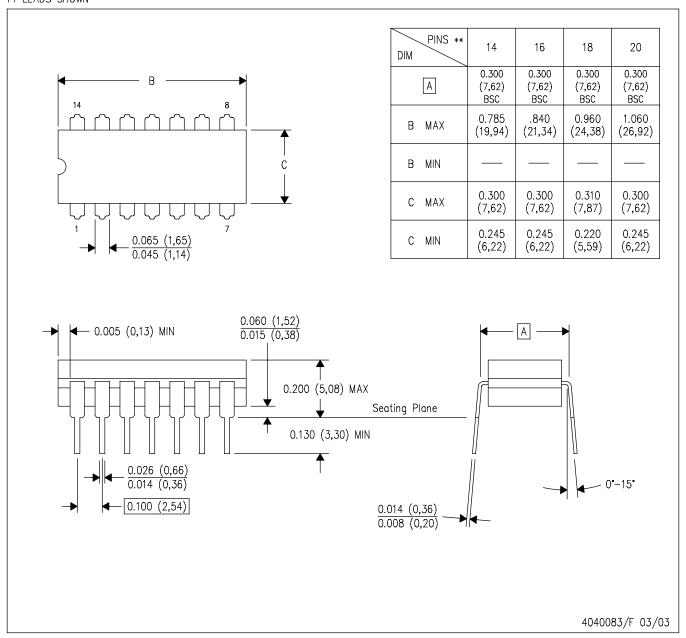
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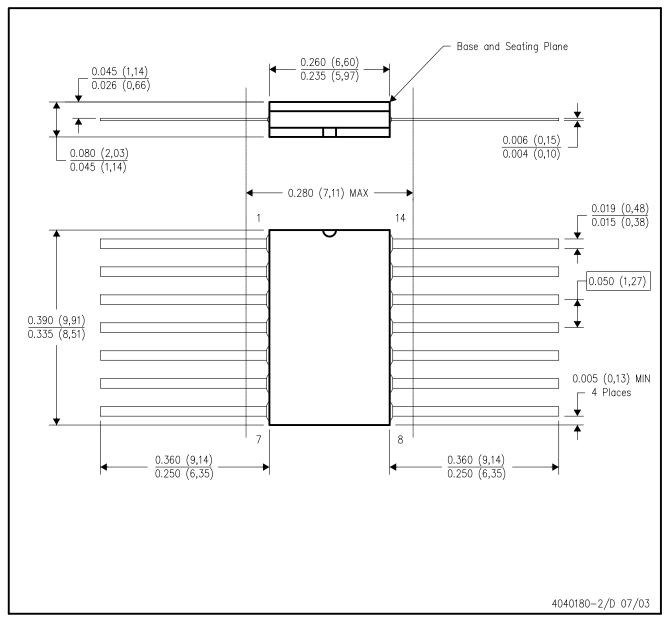
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CERAMIC DUAL FLATPACK

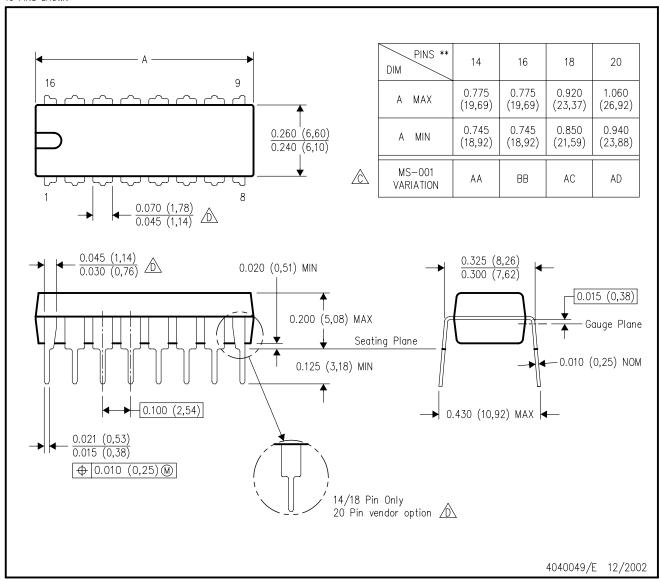


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PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



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- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
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JM38510/00403BCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7423N	OBSOLETE	PDIP	N	16		TBD	Call TI	Call TI
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425N3	OBSOLETE	PDIP	N	14		TBD	Call TI	Call TI
SN7425NE4	ACTIVE	PDIP	N	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
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SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
SNJ5423J	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type
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SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

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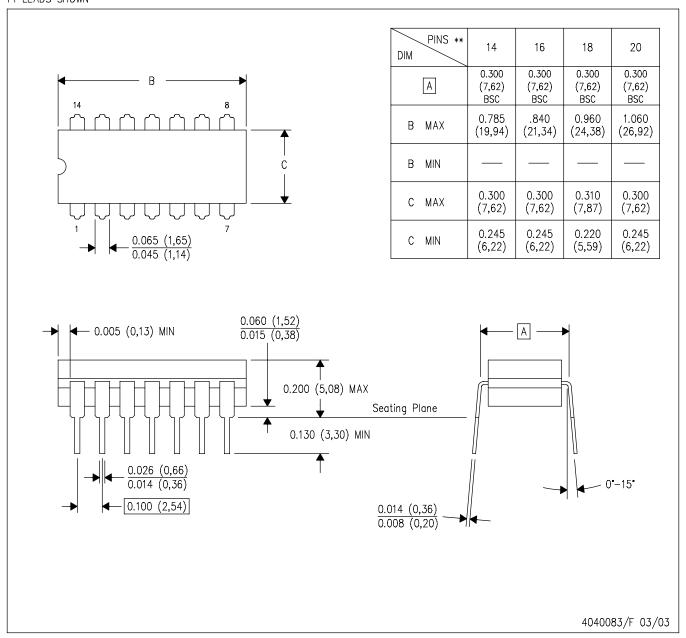
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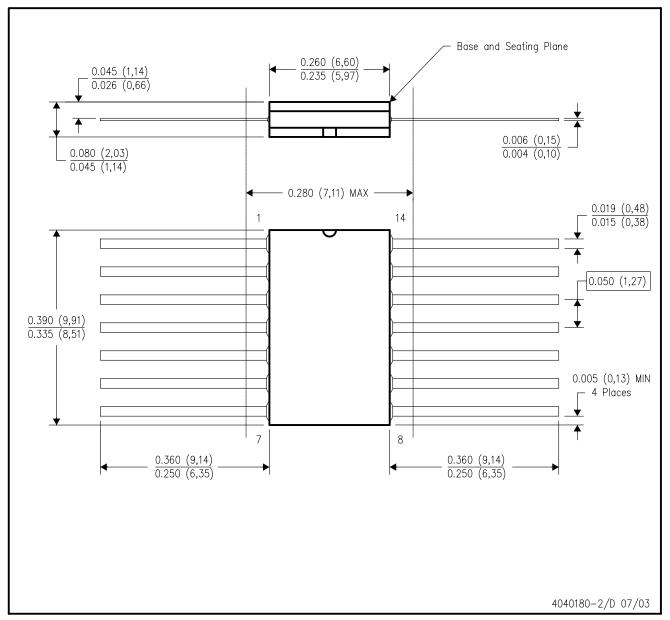
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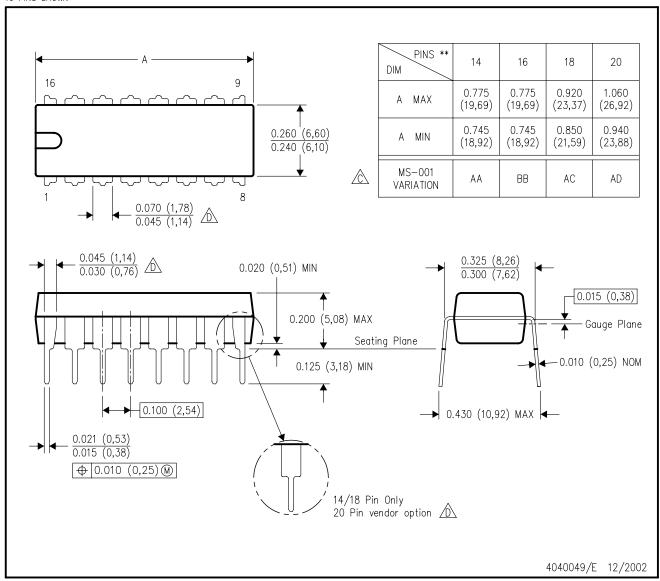


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PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



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SNJ5425J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ5425W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
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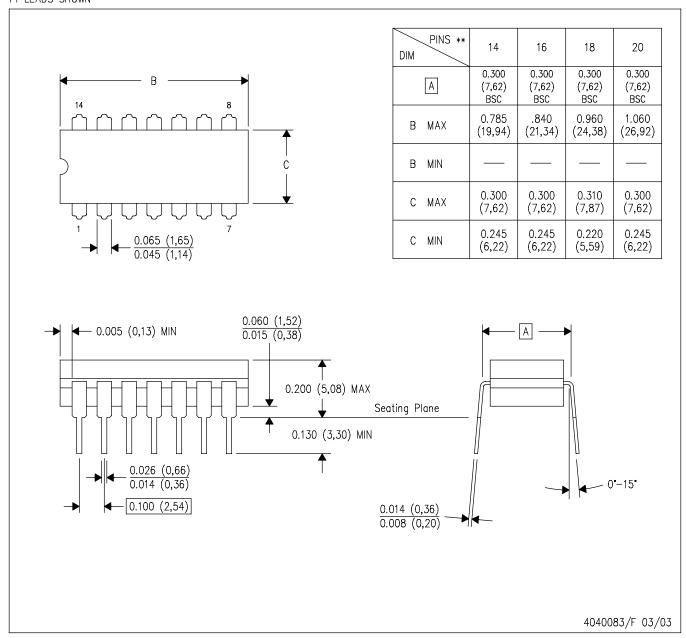
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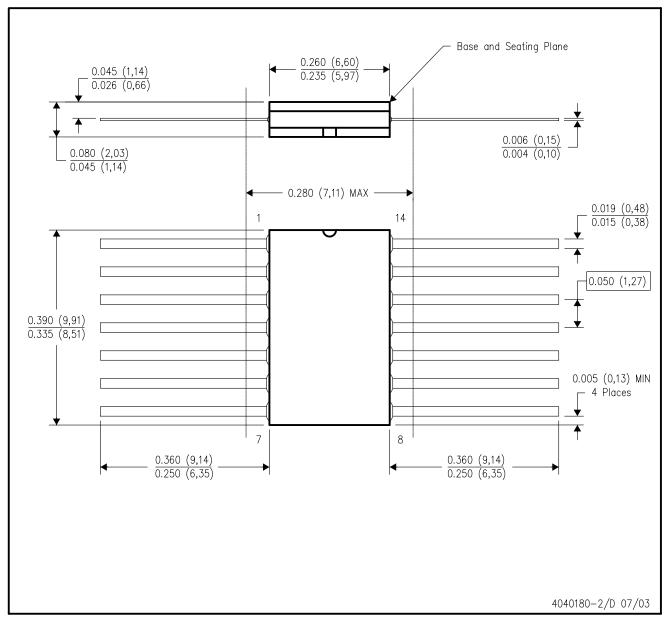
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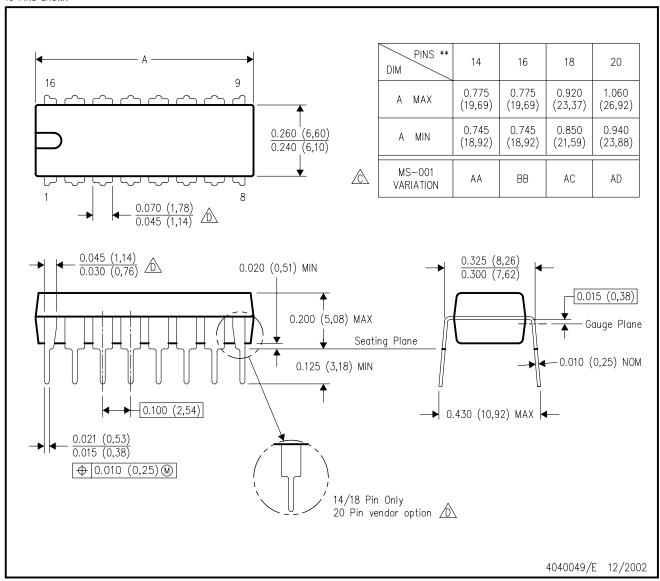


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DSP	<u>dsp.ti.com</u>	Computers and Peripherals	www.ti.com/computers
Clocks and Timers	www.ti.com/clocks	Consumer Electronics	www.ti.com/consumer-apps
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