







SN54ACT04, SN74ACT04

SCAS518D - JULY 1995 - REVISED JANUARY 2023

SNx4ACT04 Hex Inverters

1 Features

- V_{CC} operation of 4.5 V to 5.5 V
- Inputs accept voltages to 5.5 V
- Max t_{pd} of 8.5 ns at 5 V
- Inputs are TTL-voltage compatible

2 Applications

- Synchronize inverted clock inputs
- Debounce a switch
- Invert a digital signal

3 Description

The 'ACT04 devices contain six independent inverters. The devices perform the Boolean function Y = A

Package Information⁽¹⁾

PART NUMBER	PACKAGE	BODY SIZE (NOM)		
	DB (SSOP, 14)	6.2 mm × 5.3 mm		
SNx4ACT04	D (SOIC, 14)	8.65 mm × 3.9 mm		
3NX4AC104	NS (SO, 14)	10.3 mm × 5.3 mm		
	PW (TSSOP, 14)	5 mm × 4.4 mm		

For all available packages, see the orderable addendum at the end of the data sheet.





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8.1 Overview			

4 Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

Changes from Revision C (October 2003) to Revision D (January 2023)

Page



5 Pin Configuration and Functions

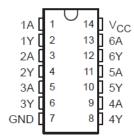


Figure 5-1. SN54ACT04 J or W Package; SN74ACT04 D, DB, N, NS, or PW Package Top View

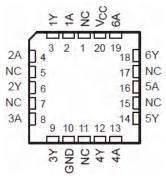


Figure 5-2. SN54ACT04 FK Package Top View

PIN				
NAME	D, DB, N, NS, PW, J, or W	FK	1/0	DESCRIPTION
1A	1	2	Input	Channel 1, Input A
1Y	2	3	Output	Channel 1, Output Y
2A	3	4	Input	Channel 2, Input A
2Y	4	6	Output	Channel 2, Output Y
3A	5	8	Input	Channel 3, Input A
3Y	6	9	Output	Channel 3, Output Y
GND	7	10	_	Ground
4Y	8	12	Output	Channel 4, Output Y
4A	9	13	Input	Channel 4, Input A
5Y	10	14	Output	Channel 5, Output Y
5A	11	16	Input	Channel 5, Input A
6Y	12	18	Output	Channel 6, Output Y
6A	13	19	Input	Channel 6, Input A
V _{CC}	14	20	_	Positive Supply
NC		1, 5, 7, 11, 15, 17	_	Not internally connected

Figure 5-3. Pin Functions



6 Specifications

6.1 Absolute Maximum Ratings

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

			MIN	MAX	UNIT
V _{CC}	Supply voltage range	Supply voltage range			
VI	Input voltage range ⁽¹⁾		-0.5	V _{CC} + 0.5	V
Vo	Output voltage range ⁽¹⁾		-0.5	V _{CC} + 0.5	V
I _{IK}	Input clamp current	$V_I < 0$ or $V_I > V_{CC}$		±20	mA
I _{OK}	Output clamp current	$V_O < 0$ or $V_O > V_{CC}$		±20	mA
Io	Continuous output current	V _O = 0 to V _{CC}		±50	mA
	Continuous current through V _{CC} or GND	·		±200	mA
T _{stg}	Storage temperature range		-60	150	°C

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

6.2 ESD Ratings

			VALUE	UNIT
		Human body model (HBM), per ANSI/ESDA/JEDEC JS-001 ⁽¹⁾	±4000	
V _(ESD)	Electrostatic discharge	Charged-device model (CDM), per JEDEC specification JESD22-C101 ⁽²⁾	±300	V

⁽¹⁾ JEDEC document JEP155 states that 500-V HBM allows safe manufacturing with a standard ESD control process.

6.3 Recommended Operating Conditions

		SN54A	CT04	SN74AC	T04	UNIT
		MIN	MIN MAX MIN MAX		ONT	
V _{CC}	Supply voltage	4.5	5.5	4.5	5.5	V
V _{IH}	High-level input voltage	2		2		V
V _{IL}	Low-level input voltage		0.8		0.8	V
VI	Input voltage	0	V _{CC}	0	V _{CC}	V
Vo	Output voltage	0	V _{CC}	0	V _{CC}	V
I _{OH}	High-level output current		-24		-24	mA
I _{OL}	Low-level output current		24		24	mA
Δt/Δν	Input transition rise or fall rate		8		8	ns/V
T _A	Operating free-air temperature	-55	125	-40	85	°C

6.4 Thermal Information

				SNx4ACT04			
	THERMAL METRIC(1)	D (SOIC)	DB (SSOP)	N (PDIP)	NS (SOP)	PW (TSSOP)	UNIT
				14 PINS			
$R_{\theta JA}$	Junction-to-ambient thermal resistance	86	96	80	76	113	°C/W

⁽¹⁾ For more information about traditional and new thermal metrics, see the Semiconductor and IC Package Thermal Metrics application report, SPRA953.

⁽²⁾ JEDEC document JEP157 states that 250-V CDM allows safe manufacturing with a standard ESD control process.

6.5 Electrical Characteristics

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

DADAMETED	PARAMETER TEST CONDITIONS		Т	A = 25°C		SN54AC	T04	SN74A	CT04	LINUT	
PARAMETER	TEST CONDITIONS	V _{CC}	MIN	TYP	MAX	MIN	MAX	MIN	MAX	UNIT	
	I _{OH} = -50 μA	4.5 V	4.4	4.49		4.4		4.4			
	10Η – –30 μΑ	5.5 V	5.4	5.49		5.4		5.4			
V	I - 24 mA	4.5 V	3.86			3.7		3.76		V	
V _{OH}	I _{OH} = –24 mA	5.5 V	4.86			4.7		4.76		V	
	$I_{OH} = -50 \text{ mA}^{(1)}$	5.5 V				3.85					
	$I_{OH} = -75 \text{ mA}^{(1)}$	5.5 V						3.85			
	I _{OL} = 50 μA	4.5 V		0.001	0.1		0.1		0.1		
		5.5 V		0.001	0.1		0.1		0.1		
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		4.5 V			0.36		0.5		0.44	V	
V _{OL}	I _{OL} = 24 mA	5.5 V			0.36		0.5		0.44	V	
	I _{OL} = 50 mA ⁽¹⁾	5.5 V					1.65				
	I _{OL} = 75 mA ⁽¹⁾	5.5 V							1.65		
I _I	V _I = V _{CC} or GND	5.5 V			±0.1		±1		±1	μA	
Icc	$V_I = V_{CC}$ or GND, $I_O = 0$	5.5 V			2		40		20	μA	
ΔI _{CC} ⁽²⁾	One input at 3.4 V, Other inputs at GND or V _{CC}	5.5 V		0.6			1.6		1.5	mA	
Ci	V _I = V _{CC} or GND	5 V		4.5						pF	

- (1) Not more than one output should be tested at a time, and the duration of the test should not exceed 2 ms.
- (2) This is the increase in supply current for each input that is at one of the specified TTL voltage levels, rather than 0 V or V_{CC}.

6.6 Switching Characteristics

over recommended operating free-air temperature range, V_{CC} = 5 V ± 0.5 V (unless otherwise noted) (see Figure 7-1)

PARAMETER	FROM TO		T _A = 25°C			SN54ACT04		SN74ACT04		UNIT
PARAMETER	(INPUT)	(OUTPUT)	MIN	TYP	MAX	MIN	MAX	MIN	MAX	UNII
t _{PLH}	^	V	1	6	8.5	1	9	1	9	ne
t _{PHL}		,	1	5.5	8	1	8.5	1	8.5	ns

6.7 Operating Characteristics

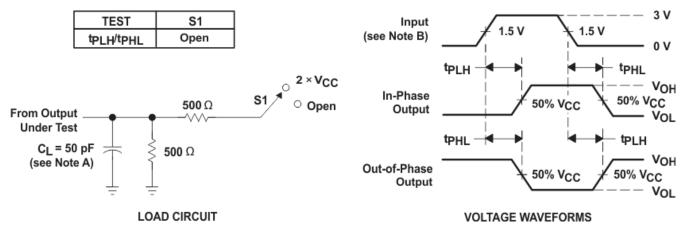
 V_{CC} = 5 V, T_A = 25°C

	PARAMETER			TEST CONDITIONS			
C_{pd}	Power dissipation capacitance		C _L = 50 pF	f = 1 MHz	45	pF	



7 Parameter Measurement Information

7.1



- A. C_L includes probe and jig capacitance.
- B. All input pulses are supplied by generators having the following characteristics: PRR \leq 1 MHz, $Z_O = 50 \Omega$, $t_f \leq$ 2.5 ns, $t_f \leq$ 2.5 ns.
- C. The outputs are measured one at a time with one input transition per measurement.

Figure 7-1. Load Circuit and Voltage Waveforms



8 Detailed Description

8.1 Overview

This device contains six independent inverters. Each gate performs the Boolean function Y = A in positive logic.

8.2 Functional Block Diagram



Logic Diagram (Positive Logic)

8.3 Feature Description

The SNx4ACT04 devices have an operating V_{CC} range from 4.5 V to 5.5 V.

8.4 Device Functional Modes

Function Table lists the function modes of the SNx4ACT04.

Function Table (Each Inverter)

INPUT	OUTPUT
Α	Υ
Н	L
L	Н



9 Application Information Disclaimer

Note

Information in the following applications sections is not part of the TI component specification, and TI does not warrant its accuracy or completeness. TI's customers are responsible for determining suitability of components for their purposes, as well as validating and testing their design implementation to confirm system functionality.



9.1 Power Supply Recommendations

The power supply can be any voltage between the MIN and MAX supply voltage rating located in the Section 6.3.

Each V_{CC} pin should have a good bypass capacitor to prevent power disturbance. For devices with a single supply, 0.1 μ F is recommended; if there are multiple V_{CC} pins, then 0.01 μ F or 0.022 μ F is recommended for each power pin. It is acceptable to parallel multiple bypass caps to reject different frequencies of noise. A 0.1 μ F and a 1 μ F are commonly used in parallel. The bypass capacitor should be installed as close to the power pin as possible for best results.

9.2 Layout

9.2.1 Layout Guidelines

When using multiple-bit logic devices, inputs should never float.

In many cases, functions or parts of functions of digital logic devices are unused, for example, when only two inputs of a triple-input AND gate are used or only 3 of the 4 buffer gates are used. Such input pins should not be left unconnected because the undefined voltages at the outside connections result in undefined operational states. Layout Diagram specifies the rules that must be observed under all circumstances. All unused inputs of digital logic devices must be connected to a high or low bias to prevent them from floating. The logic level that should be applied to any particular unused input depends on the function of the device. Generally they will be tied to GND or V_{CC} , whichever makes more sense or is more convenient. It is generally acceptable to float outputs, unless the part is a transceiver. If the transceiver has an output enable pin, it will disable the output section of the part when asserted. This will not disable the input section of the IOs, so they cannot float when disabled.

9.2.1.1 Layout Example

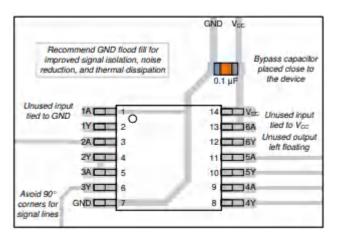


Figure 9-1. Layout Diagram

10 Device and Documentation Support

10.1 Documentation Support

10.1.1 Related Links

The table below lists quick access links. Categories include technical documents, support and community resources, tools and software, and quick access to sample or buy.

Table 10-1. Related Links

PARTS	PRODUCT FOLDER	SAMPLE & BUY	TECHNICAL DOCUMENTS	TOOLS & SOFTWARE	SUPPORT & COMMUNITY
SN54ACT04	Click here	Click here	Click here	Click here	Click here
SN74ACT04	Click here	Click here	Click here	Click here	Click here

10.2 Receiving Notification of Documentation Updates

To receive notification of documentation updates, navigate to the device product folder on ti.com. Click on *Subscribe to updates* to register and receive a weekly digest of any product information that has changed. For change details, review the revision history included in any revised document.

10.3 Support Resources

TI E2E[™] support forums are an engineer's go-to source for fast, verified answers and design help — straight from the experts. Search existing answers or ask your own question to get the quick design help you need.

Linked content is provided "AS IS" by the respective contributors. They do not constitute TI specifications and do not necessarily reflect TI's views; see TI's Terms of Use.

10.4 Trademarks

TI E2E[™] is a trademark of Texas Instruments.

All trademarks are the property of their respective owners.

10.5 Electrostatic Discharge Caution



This integrated circuit can be damaged by ESD. Texas Instruments recommends that all integrated circuits be handled with appropriate precautions. Failure to observe proper handling and installation procedures can cause damage.

ESD damage can range from subtle performance degradation to complete device failure. Precision integrated circuits may be more susceptible to damage because very small parametric changes could cause the device not to meet its published specifications.

10.6 Glossary

TI Glossary This glossary lists and explains terms, acronyms, and definitions.

11 Mechanical, Packaging, and Orderable Information

The following pages include mechanical, packaging, and orderable information. This information is the most current data available for the designated devices. This data is subject to change without notice and revision of this document. For browser-based versions of this data sheet, refer to the left-hand navigation.

11-May-2023 www.ti.com

PACKAGING INFORMATION

Orderable Device	Status	Package Type	Package Drawing	Pins	Package Qty	Eco Plan	Lead finish/ Ball material	MSL Peak Temp	Op Temp (°C)	Device Marking (4/5)	Samples
5962-89734012A	ACTIVE	LCCC	FK	20	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962- 89734012A SNJ54ACT 04FK	Samples
5962-8973401CA	ACTIVE	CDIP	J	14	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962-8973401CA SNJ54ACT04J	Samples
5962-8973401DA	ACTIVE	CFP	W	14	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962-8973401DA SNJ54ACT04W	Samples
5962-8973401VCA	ACTIVE	CDIP	J	14	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962-8973401VC A SNV54ACT04J	Samples
5962-8973401VDA	ACTIVE	CFP	W	14	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962-8973401VD A SNV54ACT04W	Samples
SN74ACT04DBR	ACTIVE	SSOP	DB	14	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	AD04	Samples
SN74ACT04DR	ACTIVE	SOIC	D	14	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	ACT04	Samples
SN74ACT04N	ACTIVE	PDIP	N	14	25	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	SN74ACT04N	Samples
SN74ACT04NSR	ACTIVE	SO	NS	14	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	ACT04	Samples
SN74ACT04NSRG4	ACTIVE	SO	NS	14	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	ACT04	Samples
SN74ACT04PWR	ACTIVE	TSSOP	PW	14	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	AD04	Samples
SN74ACT04PWRE4	ACTIVE	TSSOP	PW	14	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	AD04	Samples
SN74ACT04PWRG4	ACTIVE	TSSOP	PW	14	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	AD04	Samples
SNJ54ACT04FK	ACTIVE	LCCC	FK	20	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962- 89734012A SNJ54ACT 04FK	Samples
SNJ54ACT04J	ACTIVE	CDIP	J	14	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962-8973401CA SNJ54ACT04J	Samples

PACKAGE OPTION ADDENDUM

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Orderable Device	Status	Package Type	Package Drawing	Pins	Package Qty	Eco Plan	Lead finish/ Ball material	MSL Peak Temp	Op Temp (°C)	Device Marking (4/5)	Samples
							(6)				
SNJ54ACT04W	ACTIVE	CFP	W	14	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962-8973401DA SNJ54ACT04W	Samples

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

ACTIVE: Product device recommended for new designs.

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

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

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

OBSOLETE: TI has discontinued the production of the device.

(2) RoHS: TI defines "RoHS" to mean semiconductor products that are compliant with the current EU RoHS requirements for all 10 RoHS substances, including the requirement that RoHS substance do not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, "RoHS" products are suitable for use in specified lead-free processes. TI may reference these types of products as "Pb-Free".

RoHS Exempt: TI defines "RoHS Exempt" to mean products that contain lead but are compliant with EU RoHS pursuant to a specific EU RoHS exemption.

Green: TI defines "Green" to mean the content of Chlorine (CI) and Bromine (Br) based flame retardants meet JS709B low halogen requirements of <=1000ppm threshold. Antimony trioxide based flame retardants must also meet the <=1000ppm threshold requirement.

- (3) MSL. Peak Temp. The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.
- (4) There may be additional marking, which relates to the logo, the lot trace code information, or the environmental category on the device.
- (5) Multiple Device Markings will be inside parentheses. Only one Device Marking contained in parentheses and separated by a "~" will appear on a device. If a line is indented then it is a continuation of the previous line and the two combined represent the entire Device Marking for that device.
- (6) Lead finish/Ball material Orderable Devices may have multiple material finish options. Finish options are separated by a vertical ruled line. Lead finish/Ball material values may wrap to two lines if the finish value exceeds the maximum column width.

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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.

OTHER QUALIFIED VERSIONS OF SN54ACT04, SN54ACT04-SP, SN74ACT04:



PACKAGE OPTION ADDENDUM

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● Catalog : SN74ACT04, SN54ACT04

● Enhanced Product : SN74ACT04-EP, SN74ACT04-EP

Military: SN54ACT04

• Space : SN54ACT04-SP

NOTE: Qualified Version Definitions:

• Catalog - TI's standard catalog product

- Enhanced Product Supports Defense, Aerospace and Medical Applications
- Military QML certified for Military and Defense Applications
- Space Radiation tolerant, ceramic packaging and qualified for use in Space-based application

PACKAGE MATERIALS INFORMATION

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TAPE AND REEL INFORMATION





A0	Dimension designed to accommodate the component width
В0	Dimension designed to accommodate the component length
K0	Dimension designed to accommodate the component thickness
W	Overall width of the carrier tape
P1	Pitch between successive cavity centers

QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



*All dimensions are nominal

Device	Package Type	Package Drawing		SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
SN74ACT04DBR	SSOP	DB	14	2000	330.0	16.4	8.35	6.6	2.4	12.0	16.0	Q1
SN74ACT04DR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
SN74ACT04DR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
SN74ACT04NSR	SO	NS	14	2000	330.0	16.4	8.2	10.5	2.5	12.0	16.0	Q1
SN74ACT04PWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1



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*All dimensions are nominal

7 III GIIII GII GII GII GII GII GII GII							
Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
SN74ACT04DBR	SSOP	DB	14	2000	356.0	356.0	35.0
SN74ACT04DR	SOIC	D	14	2500	356.0	356.0	35.0
SN74ACT04DR	SOIC	D	14	2500	340.5	336.1	32.0
SN74ACT04NSR	SO	NS	14	2000	356.0	356.0	35.0
SN74ACT04PWR	TSSOP	PW	14	2000	356.0	356.0	35.0

PACKAGE MATERIALS INFORMATION

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TUBE



*All dimensions are nominal

Device	Package Name	Package Type	Pins	SPQ	L (mm)	W (mm)	T (µm)	B (mm)
5962-89734012A	FK	LCCC	20	1	506.98	12.06	2030	NA
5962-8973401DA	W	CFP	14	1	506.98	26.16	6220	NA
5962-8973401VDA	W	CFP	14	1	506.98	26.16	6220	NA
SN74ACT04N	N	PDIP	14	25	506	13.97	11230	4.32
SN74ACT04N	N	PDIP	14	25	506	13.97	11230	4.32
SNJ54ACT04FK	FK	LCCC	20	1	506.98	12.06	2030	NA
SNJ54ACT04W	W	CFP	14	1	506.98	26.16	6220	NA

MECHANICAL DATA

NS (R-PDSO-G**)

14-PINS SHOWN

PLASTIC SMALL-OUTLINE PACKAGE



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



8.89 x 8.89, 1.27 mm pitch

LEADLESS CERAMIC CHIP CARRIER

This image is a representation of the package family, actual package may vary. Refer to the product data sheet for package details.



CERAMIC DUAL IN LINE PACKAGE



Images above are just a representation of the package family, actual package may vary. Refer to the product data sheet for package details.

4040083-5/G





CERAMIC DUAL IN LINE PACKAGE



- 1. All controlling linear dimensions are in inches. Dimensions in brackets are in millimeters. Any dimension in brackets or parenthesis are for reference only. Dimensioning and tolerancing per ASME Y14.5M.
- 2. This drawing is subject to change without notice.
- 3. This package is hermitically sealed with a ceramic lid using glass frit.
- His package is remitted by sealed with a ceramic its using glass mit.
 Index point is provided on cap for terminal identification only and on press ceramic glass frit seal only.
 Falls within MIL-STD-1835 and GDIP1-T14.



CERAMIC DUAL IN LINE PACKAGE



D (R-PDSO-G14)

PLASTIC SMALL OUTLINE



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



D (R-PDSO-G14)

PLASTIC SMALL OUTLINE



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



PW (R-PDSO-G14)

PLASTIC SMALL OUTLINE



- A. All linear dimensions are in millimeters. Dimensioning and tolerancing per ASME Y14.5M—1994.
- B. This drawing is subject to change without notice.
 - Sody length does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not exceed 0,15 each side.
- Body width does not include interlead flash. Interlead flash shall not exceed 0,25 each side.
- E. Falls within JEDEC MO-153



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.



DB (R-PDSO-G**)

PLASTIC SMALL-OUTLINE

28 PINS SHOWN



NOTES: A. All linear dimensions are in millimeters.

B. This drawing is subject to change without notice.

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

D. Falls within JEDEC MO-150

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



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