

CDx4AC32 四通道双输入正或门

1 特性

- 交流类型的工作电压范围为 1.5V 至 5.5V，并在电源电压的 30% 时具有平衡的抗噪性能
- 缓冲输入
- 双极 F、AS 和 S 的速度，同时功耗显著降低
- 平衡传播延迟
- $\pm 24\text{mA}$ 输出驱动电流
 - 扇出至 15 个 F 器件
- 防 SCR 闩锁 CMOS 工艺和电路设计
- ESD 保护超过 2kV (根据 MIL-STD-883 方法 3015)

2 说明

' AC32 器件是四通道双输入正或门。这些器件以正逻辑执行布尔函数 $Y = A \cdot B$ 或 $Y = A + B$ 。

器件信息

器件型号	封装 ⁽¹⁾	封装尺寸 ⁽²⁾	本体尺寸 ⁽³⁾
CDx4AC32	D (SOIC , 14)	8.65mm × 6mm	8.65mm × 3.9mm
	N (PDIP , 14)	19.55mm × 7.9mm	19.55mm × 6.7mm
	J (CDIP , 14)	5mm × 6.4mm	5mm × 4.4mm

- 如需了解更多信息，请参阅[机械、封装和可订购信息](#)。
- 封装尺寸 (长 × 宽) 为标称值，并包括引脚 (如适用) 。
- 本体尺寸 (长 × 宽) 为标称值，不包括引脚。



逻辑图 (正逻辑)



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3 Pin Configuration and Functions

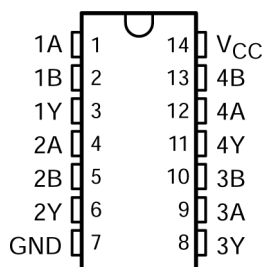


图 3-1. CD54AC32 J Package, 14-Pin CDIP; CD74AC32 N or D Package, 14-Pin PDIP or SOIC (Top View)

表 3-1. Pin Functions

PIN		I/O ¹	DESCRIPTION
NAME	SOIC, PDIP, CDIP		
1A	1	I	1A Input
1B	2	I	1B Input
1Y	3	O	1Y Output
2A	4	I	2A Input
2B	5	I	2B Input
2Y	6	O	2Y Output
3Y	8	O	3Y Output
3A	9	I	3A Input
3B	10	I	3B Input
4Y	11	O	4Y Output
4A	12	I	4A Input
4B	13	I	4B Input
GND	7	—	Ground Pin
NC	—	—	No Connection
V _{CC}	14	—	Power Pin

1. I = input, O = output, P = power, FB = feedback, GND = ground, N/A = not applicable

4 Specifications

4.1 Absolute Maximum Ratings

over operating free-air temperature range (unless otherwise noted)⁽¹⁾

			MIN	MAX	UNIT
V_{CC}	Supply voltage range		- 0.5	6	V
I_{IK} ⁽²⁾	Input clamp current	$(V_I < 0 \text{ or } V_I > V_{CC})$		±20	mA
I_{OK} ⁽²⁾	Output clamp current	$(V_O < 0 \text{ or } V_O > V_{CC})$		±50	mA
I_O	Continuous output current	$(V_O = 0 \text{ to } V_{CC})$		±50	mA
	Continuous current through V_{CC} or GND			±100	mA
T_{stg}	Storage temperature range		- 65	150	°C

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

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

4.2 ESD Ratings

			VALUE	UNIT
$V_{(ESD)}$	Electrostatic discharge	Human body model (HBM), per ANSI/ESDA/JEDEC JS-001 ⁽¹⁾	±2000	V

(1) JEDEC document JEP155 states that 500-V HBM allows safe manufacturing with a standard ESD control process. Manufacturing with less than 500-V HBM is possible with the necessary precautions.

4.3 Recommended Operating Conditions

over recommended operating free-air temperature range (unless otherwise noted)⁽¹⁾

			$T_A = 25^\circ\text{C}$		$-55^\circ\text{C to } 125^\circ\text{C}$		$-40^\circ\text{C to } 85^\circ\text{C}$		UNIT
			MIN	MAX	MIN	MAX	MIN	MAX	
V_{CC}	Supply voltage		1.5	5.5	1.5	5.5	1.5	5.5	V
V_{IH}	High-level input voltage	$V_{CC} = 1.5 \text{ V}$	1.2		1.2		1.2		V
		$V_{CC} = 3 \text{ V}$	2.1		2.1		2.1		
		$V_{CC} = 5.5 \text{ V}$	3.85		3.85		3.85		
V_{IL}	Low-level input voltage	$V_{CC} = 1.5 \text{ V}$		0.3		0.3		0.3	V
		$V_{CC} = 3 \text{ V}$		0.9		0.9		0.9	
		$V_{CC} = 5.5 \text{ V}$		1.65		1.65		1.65	
V_I	Input voltage		0	V_{CC}	0	V_{CC}	0	V_{CC}	V
V_O	Output voltage		0	V_{CC}	0	V_{CC}	0	V_{CC}	V
I_{OH}	High-level output current	$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$		- 24		- 24		-24	mA
I_{OL}	Low-level output current	$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$		24		24		24	mA
$\Delta t / \Delta v$	Input transition rise or fall rate	$V_{CC} = 1.5 \text{ V to } 3 \text{ V}$		50		50		50	ns/V
		$V_{CC} = 3.6 \text{ V to } 5.5 \text{ V}$		20		20		20	

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

4.4 Thermal Information

THERMAL METRIC ⁽¹⁾	CD74AC32		UNIT
	D (SOIC)	N (PDIP)	
	14 PINS	14 PINS	
$R_{\theta JA}$ Junction-to-ambient thermal resistance	119.9	80	°C/W

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

4.5 Electrical Characteristics

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

PARAMETER	TEST CONDITIONS		V_{CC}	$T_A = 25^\circ\text{C}$		$-55^\circ\text{C to } 125^\circ\text{C}$		$-40^\circ\text{C to } 85^\circ\text{C}$		UNIT
				MIN	MAX	MIN	MAX	MIN	MAX	
V_{OH}	$V_I = V_{IH} \text{ or } V_{IL}$	$I_{OH} = -50 \mu\text{A}$	1.5 V	1.4		1.4		1.4		V
			3 V	2.9		2.9		2.9		
			4.5 V	4.4		4.4		4.4		
		$I_{OH} = -4 \text{ mA}$	3 V	2.58		2.4		2.48		
		$I_{OH} = -24 \text{ mA}$	4.5 V	3.94		3.7		3.8		
		$I_{OH} = -50 \text{ mA}^{(1)}$	5.5 V			3.85				
		$I_{OH} = -75 \text{ mA}^{(1)}$	5.5 V					3.85		
V_{OL}	$V_I = V_{IH} \text{ or } V_{IL}$	$I_{OL} = 50 \mu\text{A}$	1.5 V		0.1		0.1		0.1	V
			3 V		0.1		0.1		0.1	
			4.5 V		0.1		0.1		0.1	
		$I_{OL} = 12 \text{ mA}$	3 V		0.36		0.5		0.44	
		$I_{OL} = 24 \text{ mA}$	4.5 V		0.36		0.5		0.44	
		$I_{OL} = 50 \text{ mA}^{(1)}$	5.5 V				1.65			
		$I_{OL} = 75 \text{ mA}^{(1)}$	5.5 V					1.65		
I_I	$V_I = V_{CC} \text{ or } \text{GND}$		5.5 V		± 0.1		± 1		± 1	μA
I_{CC}	$V_I = V_{CC} \text{ or } \text{GND}, I_O = 0$		5.5 V		4		80		40	μA
C_i					10		10		10	pF

(1) Test one output at a time, not exceeding 1-second duration. Measurement is made by forcing indicated current and measuring voltage to minimize power dissipation. Test verifies a minimum 50- Ω transmission-line drive capability at 85°C and 75- Ω transmission-line drive capability at 125°C.

4.6 Switching Characteristics, $V_{CC} = 1.5\text{V}$

over recommended operating free-air temperature range, $V_{CC} = 1.5\text{V}$, $C_L = 50\text{pF}$ (unless otherwise noted) (see [图 5-1](#))

PARAMETER	FROM (INPUT)	TO (OUTPUT)	$-55^\circ\text{C to } 125^\circ\text{C}$		$-40^\circ\text{C to } 85^\circ\text{C}$		UNIT
			MIN	MAX	MIN	MAX	
t_{PLH}	A or B	Y		119		108	ns
t_{PHL}				119		108	

4.7 Switching Characteristics, $V_{CC} = 3.3V \pm 0.3V$

over recommended operating free-air temperature range, $V_{CC} = 3.3V \pm 0.3V$, $C_L = 50pF$ (unless otherwise noted) (see 图 5-1)

PARAMETER	FROM (INPUT)	TO (OUTPUT)	-55°C to 125°C		-40°C to 85°C		UNIT
			MIN	MAX	MIN	MAX	
t_{PLH}	A or B	Y	3.3	13.3	3.4	12.1	ns
t_{PHL}			3.3	13.3	3.4	12.1	

4.8 Switching Characteristics, $V_{CC} = 5V \pm 0.5V$

over recommended operating free-air temperature range, $V_{CC} = 5V \pm 0.5V$, $C_L = 50pF$ (unless otherwise noted) (see 图 5-1)

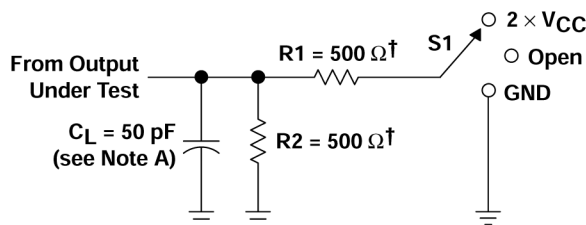
PARAMETER	FROM (INPUT)	TO (OUTPUT)	-55°C to 125°C		-40°C to 85°C		UNIT
			MIN	MAX	MIN	MAX	
t_{PLH}	A or B	Y	2.4	9.5	2.4	8.6	ns
t_{PHL}			2.4	9.5	2.4	8.6	

4.9 Operating Characteristics

$V_{CC} = 5V$, $T_A = 25^\circ C$

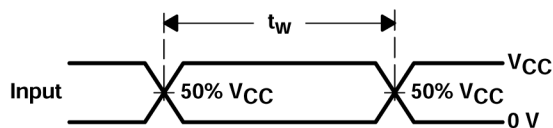
PARAMETER		TYP	UNIT
C_{pd}	Power dissipation capacitance	47	pF

5 Parameter Measurement Information

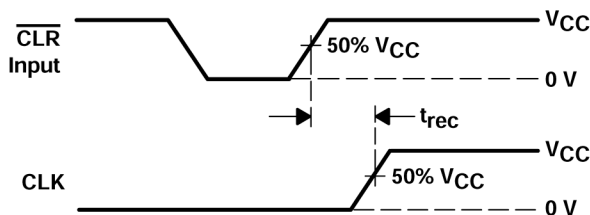


† When $V_{CC} = 1.5 \text{ V}$, $R1 = R2 = 1 \text{ k}\Omega$

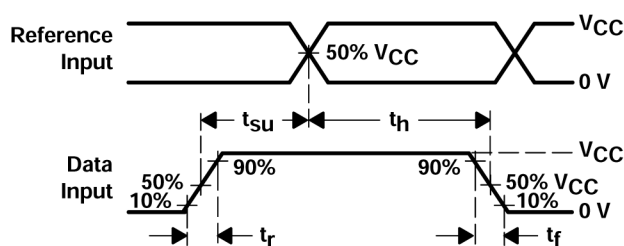
LOAD CIRCUIT



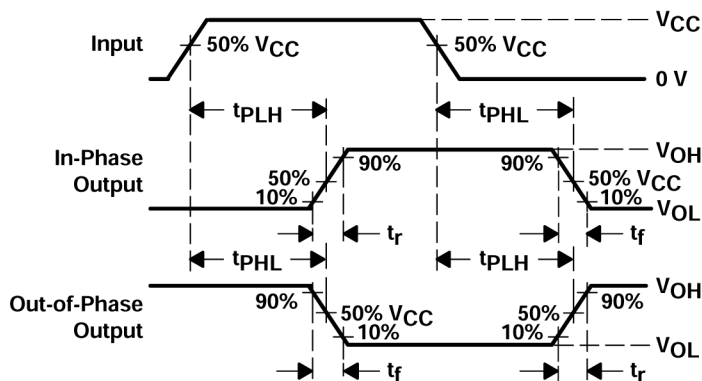
VOLTAGE WAVEFORMS
PULSE DURATION



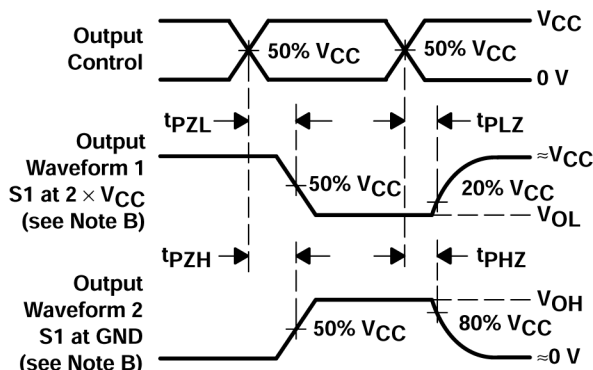
VOLTAGE WAVEFORMS
RECOVERY TIME



VOLTAGE WAVEFORMS
SETUP AND HOLD AND INPUT RISE AND FALL TIMES



VOLTAGE WAVEFORMS
PROPAGATION DELAY AND OUTPUT TRANSITION TIMES



VOLTAGE WAVEFORMS
OUTPUT ENABLE AND DISABLE TIMES

- C_L includes probe and test-fixture capacitance.
- Waveform 1 is for an output with internal conditions such that the output is low except when disabled by the output control. Waveform 2 is for an output with internal conditions such that the output is high except when disabled by the output control.
- All input pulses are supplied by generators having the following characteristics: $PRR \leq 1 \text{ MHz}$, $Z_O = 50 \Omega$, $t_r = 3 \text{ ns}$, $t_f = 3 \text{ ns}$. Phase relationships between waveforms are arbitrary.
- For clock inputs, f_{max} is measured with the input duty cycle at 50%.
- The outputs are measured one at a time with one input transition per measurement.
- t_{PLH} and t_{PHL} are the same as t_{pd} .
- t_{PZL} and t_{PZH} are the same as t_{en} .
- t_{PLZ} and t_{PHZ} are the same as t_{dis} .
- All parameters and waveforms are not applicable to all devices.

图 5-1. Load Circuit and Voltage Waveforms

TEST	S1
t_{PLH}/t_{PHL}	Open
t_{PLZ}/t_{PZL}	$2 \times V_{CC}$
t_{PHZ}/t_{PZH}	GND

6 Detailed Description

6.1 Functional Block Diagram



图 6-1. Logic Diagram (Positive Logic)

6.2 Device Functional Modes

表 6-1 is the function table for the CDx4AC32.

表 6-1. Function Table
(Each Gate)

INPUTS		OUTPUT
A	B	Y
H	X	H
X	H	H
L	L	L

7 Application and Implementation

备注

以下应用部分中的信息不属于 TI 器件规格的范围，TI 不担保其准确性和完整性。TI 的客户应负责确定器件是否适用于其应用。客户应验证并测试其设计，以确保系统功能。

7.1 Power Supply Recommendations

The power supply can be any voltage between the minimum and maximum supply voltage rating located in the [节 4.1](#) table.

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

7.2 Layout

7.2.1 Layout Guidelines

When using multiple bit logic devices inputs should not ever 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. Specified in [Layout Example for the CD74AC32](#) are 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 must 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 outputs section of the part when asserted. This will not disable the input section of the IOs, so they cannot float when disabled.

7.2.2 Layout Example

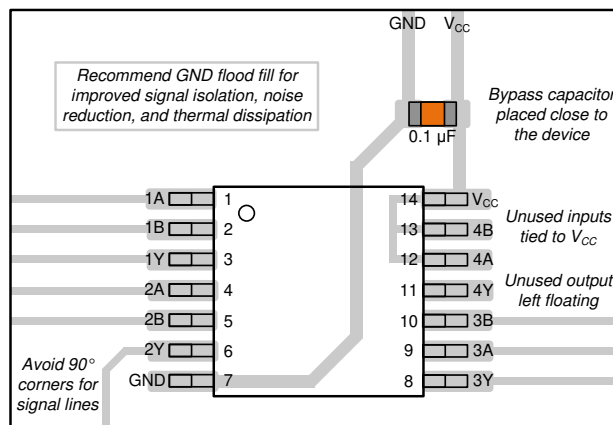


图 7-1. Layout Example for the CDx4AC32

8 Device and Documentation Support

8.1 Documentation Support (Analog)

8.1.1 Related Documentation

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.

表 8-1. Related Links

PARTS	PRODUCT FOLDER	SAMPLE & BUY	TECHNICAL DOCUMENTS	TOOLS & SOFTWARE	SUPPORT & COMMUNITY
CD54AC32	Click here	Click here	Click here	Click here	Click here
CD74AC32	Click here	Click here	Click here	Click here	Click here

8.2 接收文档更新通知

要接收文档更新通知，请导航至 ti.com 上的器件产品文件夹。点击 [通知](#) 进行注册，即可每周接收产品信息更改摘要。有关更改的详细信息，请查看任何已修订文档中包含的修订历史记录。

8.3 支持资源

[TI E2E™ 中文支持论坛](#) 是工程师的重要参考资料，可直接从专家处获得快速、经过验证的解答和设计帮助。搜索现有解答或提出自己的问题，获得所需的快速设计帮助。

链接的内容由各个贡献者“按原样”提供。这些内容并不构成 TI 技术规范，并且不一定反映 TI 的观点；请参阅 TI 的 [使用条款](#)。

8.4 Trademarks

TI E2E™ is a trademark of Texas Instruments.
所有商标均为其各自所有者的财产。

8.5 静电放电警告



静电放电 (ESD) 会损坏这个集成电路。德州仪器 (TI) 建议通过适当的预防措施处理所有集成电路。如果不遵守正确的处理和安装程序，可能会损坏集成电路。

ESD 的损坏小至导致微小的性能降级，大至整个器件故障。精密的集成电路可能更容易受到损坏，这是因为非常细微的参数更改都可能会导致器件与其发布的规格不相符。

8.6 术语表

[TI 术语表](#) 本术语表列出并解释了术语、首字母缩略词和定义。

9 Revision History

注：以前版本的页码可能与当前版本的页码不同

Changes from Revision * (March 2003) to Revision A (August 2024)	Page
• 添加了器件信息表、引脚功能表、ESD 等级表、热性能信息表、器件功能模式、“应用和实施”部分、器件和文档支持部分以及机械、封装和可订购信息部分.....	1
• Updated R _{θJA} values: D = 86 to 119.9, all values in °C/W.....	5

10 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.

PACKAGING INFORMATION

Orderable part number	Status (1)	Material type (2)	Package Pins	Package qty Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
CD54AC32F3A	Active	Production	CDIP (J) 14	25 TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	CD54AC32F3A
CD54AC32F3A.A	Active	Production	CDIP (J) 14	25 TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	CD54AC32F3A
CD74AC32E	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-55 to 125	CD74AC32E
CD74AC32E.A	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-55 to 125	CD74AC32E
CD74AC32EE4	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-55 to 125	CD74AC32E
CD74AC32M	Obsolete	Production	SOIC (D) 14	-	-	Call TI	Call TI	-55 to 125	AC32M
CD74AC32M96	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-55 to 125	AC32M
CD74AC32M96.A	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-55 to 125	AC32M
CD74AC32M96G4	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-55 to 125	AC32M
CD74AC32M96G4.A	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-55 to 125	AC32M

⁽¹⁾ **Status:** For more details on status, see our [product life cycle](#).

⁽²⁾ **Material type:** When designated, preproduction parts are prototypes/experimental devices, and are not yet approved or released for full production. Testing and final process, including without limitation quality assurance, reliability performance testing, and/or process qualification, may not yet be complete, and this item is subject to further changes or possible discontinuation. If available for ordering, purchases will be subject to an additional waiver at checkout, and are intended for early internal evaluation purposes only. These items are sold without warranties of any kind.

⁽³⁾ **RoHS values:** Yes, No, RoHS Exempt. See the [TI RoHS Statement](#) for additional information and value definition.

⁽⁴⁾ **Lead finish/Ball material:** Parts 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.

⁽⁵⁾ **MSL rating/Peak reflow:** The moisture sensitivity level ratings and peak solder (reflow) temperatures. In the event that a part has multiple moisture sensitivity ratings, only the lowest level per JEDEC standards is shown. Refer to the shipping label for the actual reflow temperature that will be used to mount the part to the printed circuit board.

⁽⁶⁾ **Part marking:** There may be an additional marking, which relates to the logo, the lot trace code information, or the environmental category of the part.

Multiple part markings will be inside parentheses. Only one part marking contained in parentheses and separated by a "~" will appear on a part. If a line is indented then it is a continuation of the previous line and the two combined represent the entire part marking for that device.

Important Information and Disclaimer: The information provided on this page represents TI's knowledge and belief as of the date that it is provided. TI bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy of such information. Efforts are underway to better integrate information from third parties. TI has taken and continues to take reasonable steps to provide representative

and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. TI and TI suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

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

OTHER QUALIFIED VERSIONS OF CD54AC32, CD74AC32 :

- Catalog : [CD74AC32](#)
- Military : [CD54AC32](#)

NOTE: Qualified Version Definitions:

- Catalog - TI's standard catalog product
- Military - QML certified for Military and Defense Applications

TUBE



*All dimensions are nominal

Device	Package Name	Package Type	Pins	SPQ	L (mm)	W (mm)	T (μm)	B (mm)
CD74AC32E	N	PDIP	14	25	506	13.97	11230	4.32
CD74AC32E	N	PDIP	14	25	506	13.97	11230	4.32
CD74AC32E.A	N	PDIP	14	25	506	13.97	11230	4.32
CD74AC32E.A	N	PDIP	14	25	506	13.97	11230	4.32
CD74AC32EE4	N	PDIP	14	25	506	13.97	11230	4.32
CD74AC32EE4	N	PDIP	14	25	506	13.97	11230	4.32

J 14

GENERIC PACKAGE VIEW

CDIP - 5.08 mm max height

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

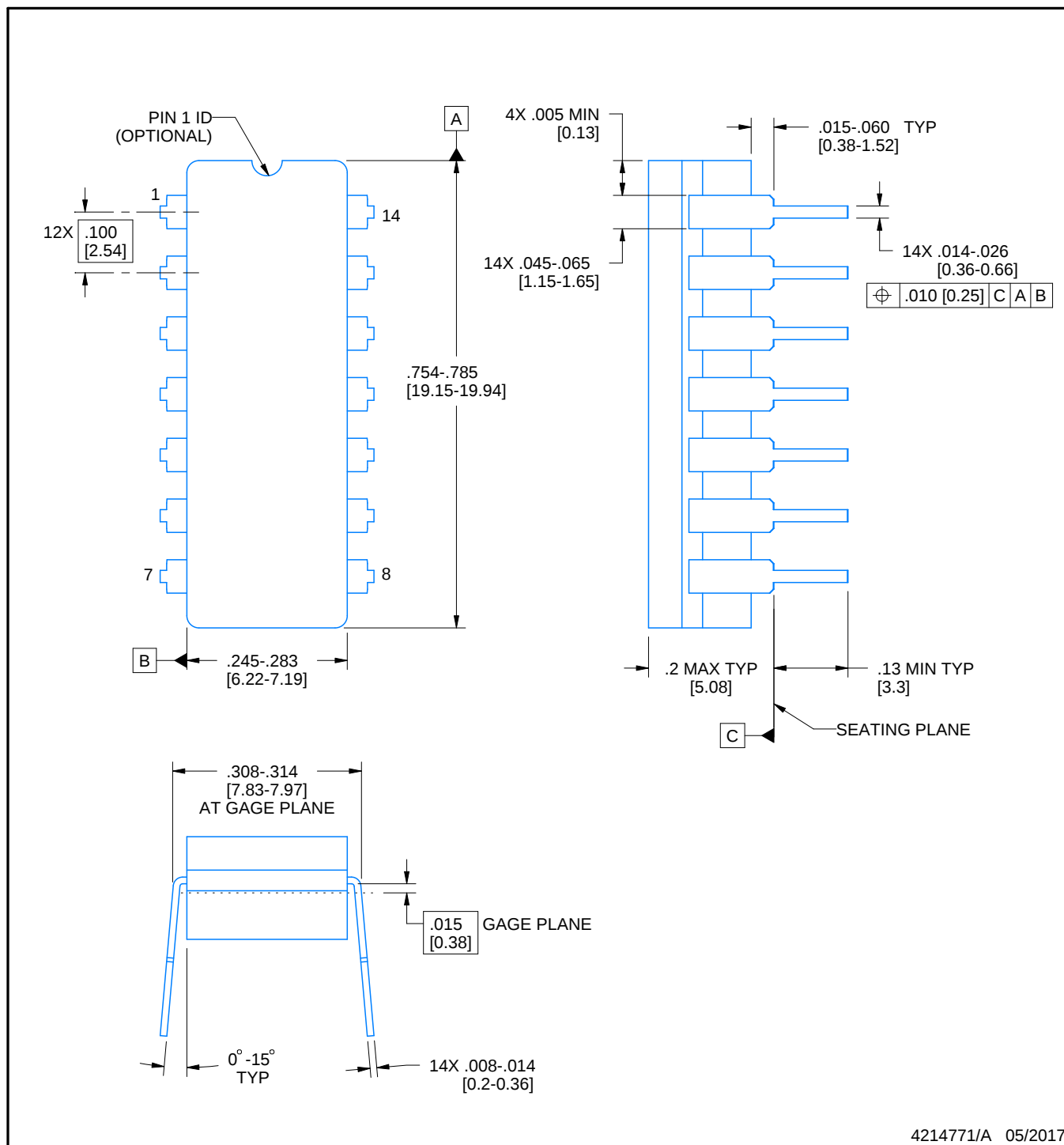


J0014A

PACKAGE OUTLINE

CDIP - 5.08 mm max height

CERAMIC DUAL IN LINE PACKAGE



NOTES:

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 hermetically sealed with a ceramic lid using glass frit.
4. Index point is provided on cap for terminal identification only and on press ceramic glass frit seal only.
5. Falls within MIL-STD-1835 and GDIP1-T14.

EXAMPLE BOARD LAYOUT

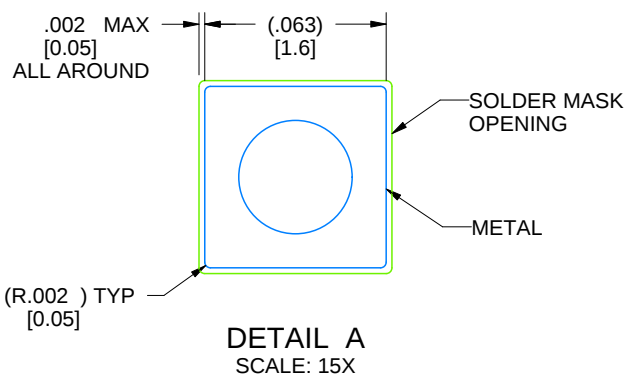
J0014A

CDIP - 5.08 mm max height

CERAMIC DUAL IN LINE PACKAGE



LAND PATTERN EXAMPLE
NON-SOLDER MASK DEFINED
SCALE: 5X



4214771/A 05/2017

N (R-PDIP-T**)

16 PINS SHOWN

PLASTIC DUAL-IN-LINE PACKAGE



PINS ** DIM	14	16	18	20
A MAX	0.775 (19,69)	0.775 (19,69)	0.920 (23,37)	1.060 (26,92)
A MIN	0.745 (18,92)	0.745 (18,92)	0.850 (21,59)	0.940 (23,88)
MS-001 VARIATION	AA	BB	AC	AD



4040049/E 12/2002

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

D0014A**PACKAGE OUTLINE****SOIC - 1.75 mm max height**

SMALL OUTLINE INTEGRATED CIRCUIT



4220718/A 09/2016

NOTES:

1. All linear dimensions are in millimeters. Dimensions in parenthesis are for reference only. Dimensioning and tolerancing per ASME Y14.5M.
2. This drawing is subject to change without notice.
3. This dimension does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not exceed 0.15 mm, per side.
4. This dimension does not include interlead flash. Interlead flash shall not exceed 0.43 mm, per side.
5. Reference JEDEC registration MS-012, variation AB.

EXAMPLE BOARD LAYOUT

D0014A

SOIC - 1.75 mm max height

SMALL OUTLINE INTEGRATED CIRCUIT



LAND PATTERN EXAMPLE
SCALE:8X



SOLDER MASK DETAILS

4220718/A 09/2016

NOTES: (continued)

6. Publication IPC-7351 may have alternate designs.

7. Solder mask tolerances between and around signal pads can vary based on board fabrication site.

EXAMPLE STENCIL DESIGN

D0014A

SOIC - 1.75 mm max height

SMALL OUTLINE INTEGRATED CIRCUIT



SOLDER PASTE EXAMPLE
BASED ON 0.125 mm THICK STENCIL
SCALE:8X

4220718/A 09/2016

NOTES: (continued)

8. Laser cutting apertures with trapezoidal walls and rounded corners may offer better paste release. IPC-7525 may have alternate design recommendations.
9. Board assembly site may have different recommendations for stencil design.

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