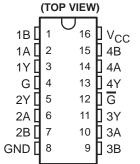
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- Meets or Exceeds the Requirements of ANSI TIA/EIA-422-B, TIA/EIA-423-B, and ITU Recommendation V.10 and V.11
- Low Power, I_{CC} = 10 mA Typ
- ±7-V Common-Mode Range With ±200-mV Sensitivity
- Input Hysteresis . . . 60 mV Typ
- t_{nd} = 17 ns Typ
- Operates From a Single 5-V Supply
- 3-State Outputs
- Input Fail-Safe Circuitry
- Improved Replacements for AM26LS32
- Available in Q-Temp Automotive
 - High Reliability Automotive Applications
 - Configuration Control/Print Support
 - Qualification to Automotive Standards

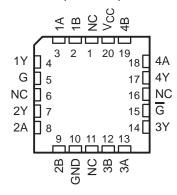
description/ordering information

The AM26C32 is a quadruple differential line receiver for balanced or unbalanced digital data transmission. The enable function is common to all four receivers and offers a choice of active-high or active-low input. The 3-state outputs permit connection directly to a bus-organized system. Fail-safe design specifies that if the inputs are open, the outputs always are high.

AM26C32C... D, N, OR NS PACKAGE AM26C32I... D, N, NS, OR PW PACKAGE AM26C32Q...D PACKAGE AM26C32M...J OR W PACKAGE



AM26C32M . . . FK PACKAGE (TOP VIEW)



NC - No internal connection

The AM26C32 devices are manufactured using a BiCMOS process, which is a combination of bipolar and CMOS transistors. This process provides the high voltage and current of bipolar with the low power of CMOS to reduce the power consumption to about one-fifth that of the standard AM26LS32, while maintaining ac and dc performance.

The AM26C32C is characterized for operation from 0°C to 70°C. The AM26C32I is characterized for operation from –40°C to 85°C. The AM26C32Q is characterized for operation from –40°C to 125°C. The AM26C32M is characterized for operation over the full military temperature range of –55°C to 125°C.



Please be aware that an important notice concerning availability, standard warranty, and use in critical applications of Texas Instruments semiconductor products and disclaimers thereto appears at the end of this data sheet.



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description/ordering information (continued)

ORDERING INFORMATION

TA	PACKA	GE†	ORDERABLE PART NUMBER	TOP-SIDE MARKING
	PDIP (N)	Tube of 25	AM26C32CN	AM26C32CN
000 1- 7000	0010 (P)	Tube of 40	AM26C32CD	AAA000000
0°C to 70°C	SOIC (D)	Reel of 2500	AM26C32CDR	AM26C32C
	SOP (NS)	Reel of 2000	AM26C32CNSR	26C32
	PDIP (N)	Tube of 25	AM26C32IN	AM26C32IN
	0010 (D)	Tube of 40	AM26C32ID	AAA000001
-40°C to 85°C	SOIC (D)	Reel of 2500	AM26C32IDR	AM26C32I
	SOP (NS)	Reel of 2000	AM26C32INSR	26C32I
	TSSOP (PW)	Tube of 90	AM26C32IPW	26C32I
-40°C to 125°C	SOIC (D)	Tube of 40	AM26C32QD	AM26C32QD
	CDIP (J)	Tube of 25	AM26C32MJ	AM26C32MJ
-55°C to 125°C	CFP (W)	Tube of 150	AM26C32MW	AM26C32MW
	LCCC (FK)	Tube of 55	AM26C32MFK	AM26C32MFK

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

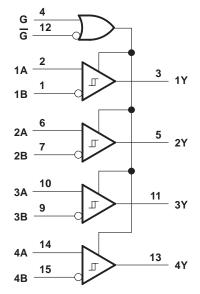
FUNCTION TABLE (each receiver)

`			
DIFFERENTIAL	ENA	BLES	OUTPUT
INPUT	G	G	Υ
	Н	Х	Н
V _{ID} ≥ V _{IT+}	Х	L	Н
., ., .,	Н	Х	?
$V_{IT-} < V_{ID} < V_{IT+}$	Х	L	?
	Н	Х	L
V _{ID} ≤ V _{IT} –	Х	L	L
X	L	Н	Z

H = high level, L = low level, X = irrelevant Z = high impedance (off), ? = indeterminate

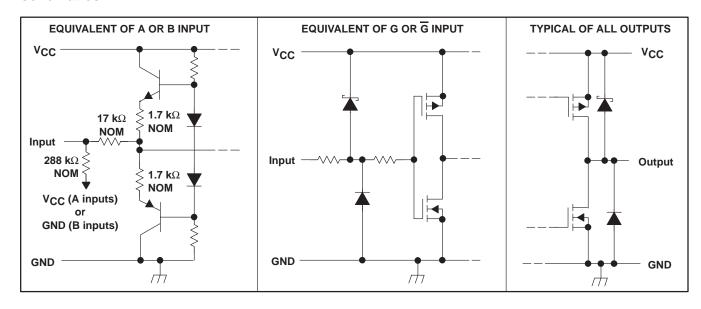


logic diagram (positive logic)



Pin numbers shown are for the D, J, N, NS, PW, and W packages.

schematics



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

Supply voltage, V _{CC} (see Note 1)		7 V
Input voltage range, V _I : A or B inputs		
G or \overline{G} inputs		\cdot . -0.5 V to V _{CC} + 0.5 V
Differential input voltage range, V _{ID}		–14 V to 14 V
Output voltage range, V _O		\cdot . -0.5 V to V _{CC} + 0.5 V
Output current, IO		±25 mA
Package thermal impedance, θ_{JA} (see Notes 2 and 3):	D package	73°C/W
	N package	67°C/W
	NS package	64°C/W
	PW package	108°C/W
Operating virtual junction temperature, T _J		150°C
Lead temperature 1,6 mm (1/16 inch) from case for 10		
Storage temperature range, T _{stg}		–65°C to 150°C

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

- NOTES: 1. All voltage values, except differential output voltage, V_{OD}, are with respect to network GND. Currents into the device are positive and currents out of the device are negative.
 - 2. Maximum power dissipation is a function of $T_J(max)$, θ_{JA} , and T_A . The maximum allowable power dissipation at any allowable ambient temperature is $P_D = (T_J(max) T_A)/\theta_{JA}$. Operating at the absolute maximum T_J of 150°C can affect reliability.
 - 3. The package thermal impedance is calculated in accordance with JESD 51-7.

recommended operating conditions

			MIN	NOM	MAX	UNIT
Vcc	Supply voltage		4.5	5	5.5	V
VIH	High-level input voltage		2			V
VIL	Low-level input voltage				0.8	V
VIC	Common-mode input voltage				±7	V
loh	High-level output current				-6	mA
loL	Low-level output current				6	mA
		AM26C32	0		70	
т.	Operating free cir temperature	AM26C32	-40		85	°C
TA	Operating free-air temperature	AM26C32	Q –40		125	C
		AM26C32	Л –55		125	



electrical characteristics over recommended ranges of $V_{\text{CC}},\ V_{\text{IC}},$ and operating free-air temperature (unless otherwise noted)

	PARAMETER	TEST C	ONDITIONS	MIN	TYP†	MAX	UNIT
.,	Differential least blak threeholders have	$V_O = V_{OH}(min),$	$V_{IC} = -7 \text{ V to } 7 \text{ V}$			0.2	.,
V _{IT+}	Differential input high-threshold voltage	$I_{OH} = -440 \mu A$	V _{IC} = 0 to 5.5 V			0.1	V
\/_	Differential input law throughold valtage	V _O = 0.45 V,	$V_{IC} = -7 \text{ V to } 7 \text{ V}$	-0.2‡			V
V _{IT} –	Differential input low-threshold voltage	IOL = 8 mA	V _{IC} = 0 to 5.5 V	-0.1‡			V
V _{hys}	Hysteresis voltage (V _{IT+} – V _{IT} –)				60		mV
VIK	Enable input clamp voltage	$V_{CC} = 4.5 \text{ V},$	I _I = -18 mA			-1.5	V
Vон	High-level output voltage	$V_{ID} = 200 \text{ mV},$	$I_{OH} = -6 \text{ mA}$	3.8			V
VOL	Low-level output voltage	$V_{ID} = -200 \text{ mV},$	$I_{OL} = 6 \text{ mA}$		0.2	0.3	V
loz	Off-state (high-impedance state) output current	$V_O = V_{CC}$ or GND			±0.5	±5	μΑ
	Line import accorded	V _I = 10 V,	Other input at 0 V			1.5	A
1 ₁	Line input current	$V_{I} = -10 \text{ V},$	Other input at 0 V			-2.5	mA
I _{IH}	High-level enable current	V _I = 2.7 V				20	μΑ
I _{IL}	Low-level enable current	V _I = 0.4 V				-100	μΑ
rį	Input resistance	One input to ground		12	17		kΩ
ICC	Supply current	V _{CC} = 5.5 V			10	15	mA

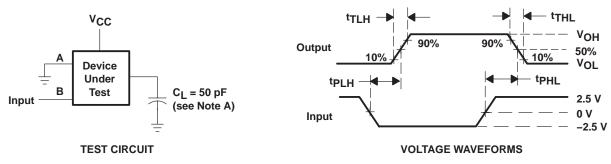
switching characteristics over recommended ranges of operation conditions, C_L = 50 pF (unless otherwise noted)

	PARAMETER	TEST		M26C320 M26C32		Al	UNIT		
		CONDITIONS	MIN	TYP [†]	MAX	MIN	TYP [†]	MAX	
tPLH	Propagation delay time, low- to high-level output	Can Figure 4	9	17	27	9	17	27	ns
t _{PHL}	Propagation delay time, high- to low-level output	See Figure 1	9	17	27	9	17	27	ns
t _{TLH} Output transition time, low- to high-level output		0 5 4		4	9		4	10	ns
tTHL	Output transition time, high- to low-level output	See Figure 1		4	9		4	9	ns
^t PZH	Output enable time to high level	Coo Figure 2		13	22		13	22	ns
tPZL	Output enable time to low level	See Figure 2		13	22		13	22	ns
t _{PHZ}	Output disable time from high level	Saa Figura 2		13	22		13	26	ns
tPLZ	Output disable time from low level	See Figure 2		13	22		13	25	ns

[†] All typical values are at $V_{CC} = 5 \text{ V}$, $T_A = 25^{\circ}\text{C}$.

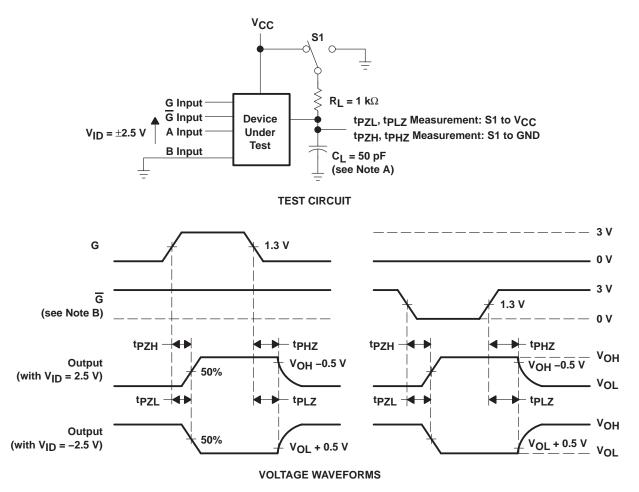
[†] All typical values are at V_{CC} = 5 V, V_{IC} = 0, and T_A = 25°C. ‡ The algebraic convention, in which the less positive (more negative) limit is designated minimum, is used in this data sheet for common-mode

PARAMETER MEASUREMENT INFORMATION



NOTE A: C_L includes probe and jig capacitance.

Figure 1. Switching Test Circuit and Voltage Waveforms



NOTES: A. C_L includes probe and jig capacitance.

B. The input pulse is supplied by a generator having the following characteristics: PRR = 1 MHz, duty cycle \leq 50%, $t_f = t_f = 6$ ns.

Figure 2. Enable/Disable Time Test Circuit and Output Voltage Waveforms







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PACKAGING INFORMATION

Orderable Device	Status	Package Type		Pins		Eco Plan	Lead/Ball Finish	MSL Peak Temp	Op Temp (°C)	Device Marking	Samples
	(1)		Drawing		Qty	(2)		(3)		(4/5)	
5962-9164001Q2A	ACTIVE	LCCC	FK	20	1	TBD	POST-PLATE	N / A for Pkg Type	-55 to 125	5962- 9164001Q2A AM26C32 MFKB	Samples
5962-9164001QEA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type	-55 to 125	5962-9164001QE A AM26C32MJB	Sample
5962-9164001QFA	ACTIVE	CFP	W	16	1	TBD	A42	N / A for Pkg Type	-55 to 125	5962-9164001QF A AM26C32MWB	Sample
AM26C32-W	ACTIVE	WAFERSALE	YS	0	3624	TBD	Call TI	Call TI			Sample
AM26C32CD	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	AM26C32C	Sample
AM26C32CDBLE	OBSOLETE	SSOP	DB	16		TBD	Call TI	Call TI	0 to 70		
AM26C32CDE4	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	AM26C32C	Sample
AM26C32CDG4	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	AM26C32C	Sample
AM26C32CDR	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	AM26C32C	Sample
AM26C32CDRE4	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	AM26C32C	Sample
AM26C32CDRG4	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	AM26C32C	Sample
AM26C32CN	ACTIVE	PDIP	N	16	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	0 to 70	AM26C32CN	Sample
AM26C32CNE4	ACTIVE	PDIP	N	16	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	0 to 70	AM26C32CN	Sample
AM26C32CNSR	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	26C32	Sample
AM26C32CNSRE4	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	26C32	Sample
AM26C32CNSRG4	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	26C32	Sample





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Orderable Device	Status	Package Type	Package Drawing	Pins	Package Qty	Eco Plan	Lead/Ball Finish	MSL Peak Temp	Op Temp (°C)	Device Marking (4/5)	Samples
AM26C32ID	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	AM26C32I	Samples
AM26C32IDBLE	OBSOLETE	SSOP	DB	16		TBD	Call TI	Call TI	-40 to 85		
AM26C32IDE4	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	AM26C32I	Samples
AM26C32IDG4	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	AM26C32I	Samples
AM26C32IDR	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	AM26C32I	Samples
AM26C32IDRE4	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	AM26C32I	Samples
AM26C32IDRG4	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	AM26C32I	Samples
AM26C32IN	ACTIVE	PDIP	N	16	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	-40 to 85	AM26C32IN	Samples
AM26C32INE4	ACTIVE	PDIP	N	16	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	-40 to 85	AM26C32IN	Samples
AM26C32INSR	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	26C32I	Samples
AM26C32INSRE4	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	26C32I	Samples
AM26C32INSRG4	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	26C32I	Samples
AM26C32IPW	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	26C32I	Samples
AM26C32IPWE4	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	26C32I	Samples
AM26C32IPWG4	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	26C32I	Samples
AM26C32IPWR	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	26C32l	Samples
AM26C32IPWRG4	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	26C32I	Samples
AM26C32MFKB	ACTIVE	LCCC	FK	20	1	TBD	POST-PLATE	N / A for Pkg Type	-55 to 125	5962- 9164001Q2A AM26C32	Samples



PACKAGE OPTION ADDENDUM

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Orderable Device	Status	Package Type	_	Pins	_	Eco Plan	Lead/Ball Finish	MSL Peak Temp	Op Temp (°C)	Device Marking	Samples
	(1)		Drawing		Qty	(2)		(3)		(4/5)	
										MFKB	
AM26C32MJB	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type	-55 to 125	5962-9164001QE A AM26C32MJB	Samples
AM26C32MWB	ACTIVE	CFP	W	16	1	TBD	A42	N / A for Pkg Type	-55 to 125	5962-9164001QF A AM26C32MWB	Samples
AM26C32QD	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	AM26C32Q	Samples
AM26C32QDG4	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	26C32Q	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) 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.
- (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.

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



PACKAGE OPTION ADDENDUM

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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 AM26C32, AM26C32M:

● Enhanced Product: AM26C32-EP, AM26C32-EP

Military: AM26C32M

NOTE: Qualified Version Definitions:

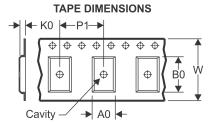
- Catalog TI's standard catalog product
- Enhanced Product Supports Defense, Aerospace and Medical Applications
- Military QML certified for Military and Defense Applications

PACKAGE MATERIALS INFORMATION

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TAPE AND REEL INFORMATION





	Dimension designed to accommodate the component width
	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

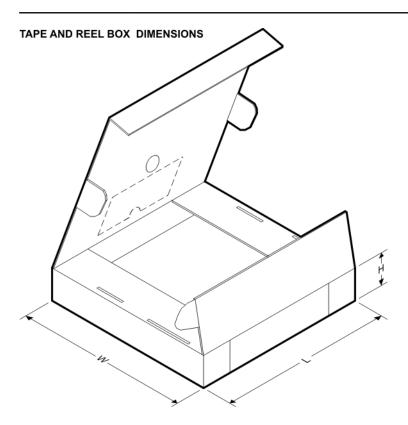
QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



*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
AM26C32CDR	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
AM26C32IDR	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
AM26C32IPWR	TSSOP	PW	16	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1

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*All dimensions are nominal

ı	7 4							
	Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
	AM26C32CDR	SOIC	D	16	2500	333.2	345.9	28.6
	AM26C32IDR	SOIC	D	16	2500	333.2	345.9	28.6
	AM26C32IPWR	TSSOP	PW	16	2000	367.0	367.0	35.0

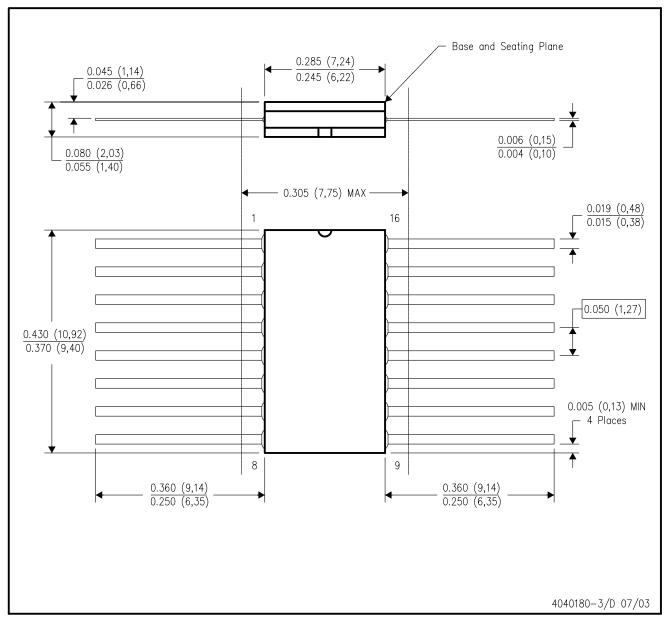
14 LEADS SHOWN



- 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-F16)

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-F16 and JEDEC MO-092AC



FK (S-CQCC-N**)

LEADLESS CERAMIC CHIP CARRIER

28 TERMINAL SHOWN



- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
- C. This package can be hermetically sealed with a metal lid.
- D. Falls within JEDEC MS-004



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.



D (R-PDS0-G16)

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 AC.



D (R-PDSO-G16)

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-G16)

PLASTIC SMALL OUTLINE

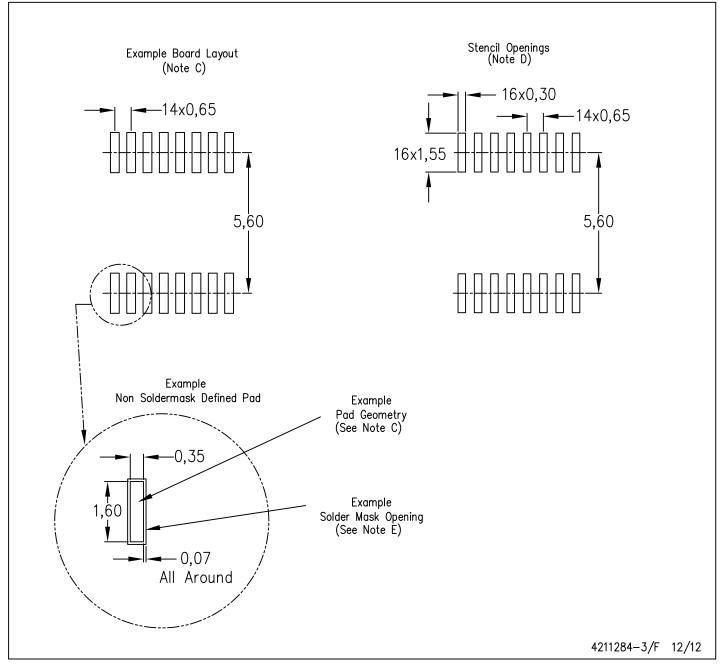


- A. All linear dimensions are in millimeters. Dimensioning and tolerancing per ASME Y14.5M—1994.
- B. This drawing is subject to change without notice.
- Body length does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not exceed 0,15 each side.
- Body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



PW (R-PDSO-G16)

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.



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.



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

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