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LOD MUDACKAOE

#### 'LS673

- 16-Bit Serial-In, Serial-Out Shift Register with 16-Bit Parallel-Out Storage Register
- Performs Serial-to-Parallel Conversion

#### 'LS674

- 16-Bit Parallel-In, Serial-Out Shift Register
- Performs Parallel-to-Serial Conversion

#### description

#### SN54LS673, SN74LS673

The 'LS673 is a 16-bit shift register and a 16-bit storage register in a single 24-pin package. A three-state input/output (SER/Q15) port to the shift register allows serial entry and/or reading of data. The storage register is connected in a parallel data loop with the shift register and may be asynchronously cleared by taking the store-clear input low. The storage register may be parallel loaded with shift-register data to provide shift-register status via the parallel outputs. The shift register can be parallel loaded with the storage-register data upon command.

A high logic level at the chip-level  $(\overline{CS})$  input disables both the shift-register clock and the storage register clock and places SER/Q15 in the high-impedance state. The store-clear function is not disabled by the chip select.

Caution must be exercised to prevent false clocking of either the shift register or the storage register via the chip-select input. The shift clock should be low during the low-to-high transition of chip select and the store clock should be low during the high-to-low transition of chip select.

#### SN54LS674, SN74LS674

The 'LS674 is a 16-bit parallel-in, serial-out shift register. A three-state input/output (SER/Q15) port provides access for entering a serial data or reading the shift-register word in a recirculating loop.

The device has four basic modes of operation:

- 1) Hold (do nothing)
- 2) Write (serially via input/output)
- 3) Read (serially)
- 4) Load (parallel via data inputs)

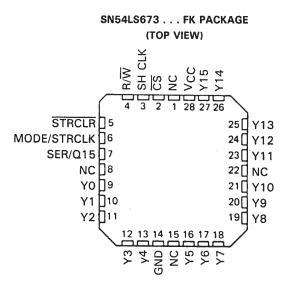
Low-to-high-level changes at the chip select input should be made only when the clock input is low to prevent false clocking.

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



SN54LS673JOR W PACKAGE SN74LS673DW OR N PACKAGE
(TOP VIEW)

SH CLK [	2	23 Y15
R/W [	3	22 Y14
STRCLR [	4	21 Y13
MODE/STRCLK [	5	20 Y12
SER/Q15 [	6	19 Y11
Y0 [	7	18 Y10
Y1 [	8	17 Y9
Y2 [	_9	16 Y8
Y3 [	10	15 🗍 Y7
Y4 [	<u>_</u> 11	14 🗌 Y6
GND [	12	13 🗋 Y 5



NC-No internal connection

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CLK 2

MODE 5

SER/Q15 6

NC 14

P0 7

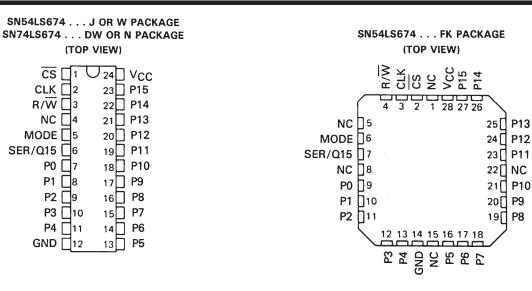
P1 [8

P2 9

P3 [10

P4 [11

GND [12



'LS673 **FUNCTION TABLE** 

		INPL	PUTS SHIFT REGISTER FUNCTIONS				STOF REGIS				
<b>C</b> S	R/W	SH CLK	STRCLR	MODE/ STRCLK	Q15	SHIFT	READ FROM SERIAL OUTPUT	WRITE INTO SERIAL INPUT	PARALLEL LOAD	FUNC CLEAR	LOAD
Н	Х	Х	Х	х	Z	NO	NO	NO	NO		NO
Х	Х	Х	L	Х						YES	
L	L	Ļ	Х	Х	Z	YES	NO	YES	NO		
L	н	х	х	Х	Q15		YES	NÖ			NO
L	н	Ļ	Х	L	Q14n	YES	YES	NO	NO		NO
L	н	Ļ	L	н	L	NO	YES		YES	YES	NO
L	н	Ļ	Н	Н	Y15n	NO	YES		YES	NO	NO
L	L	Х	н	Ť	Z		NO		NO	NO	YES

**'LS674 FUNCTION TABLE** 

		INPUTS		SER/		
CS	R/W	MODE	CLK	Q15	OPERATION	
н	х	x	х	Z	Do nothing	
L	L	х	4	z	Shift and write (serial load)	
L	н	L	ŧ	Q14n	Shift and read	
L	н	н	Ļ	P15	Parallel load	

H = high level (steady state)

L = low level (steady state)

1 = transition from low to high level

↓ = transition from high to low level

X = irrelevant (any input including transitions)

Z = high impedance, input mode

Q14n = content of 14th bit of the shift register before the most recent 4 transition of the clock.

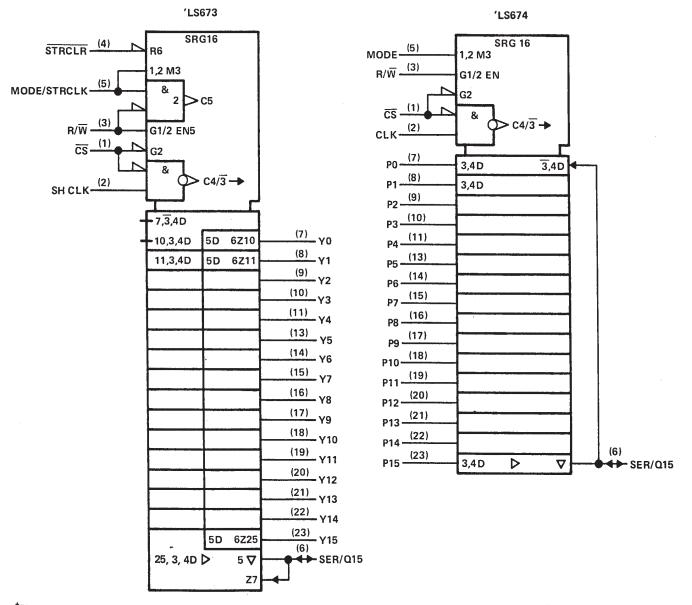
Q15 = present content of 15th bit of the shift register Y15n = content of the 15th bit of the storage register

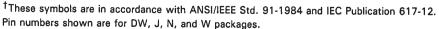
before the most recent \$ transition of the clock. P15 = level of input P15



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logic symbols<sup>†</sup>

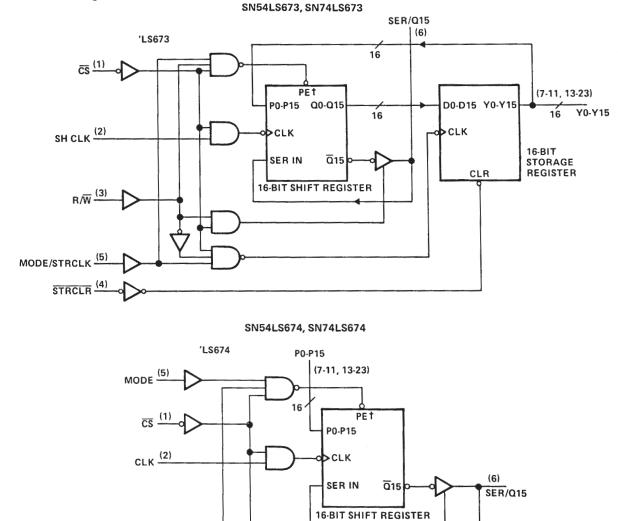






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### functional block diagrams



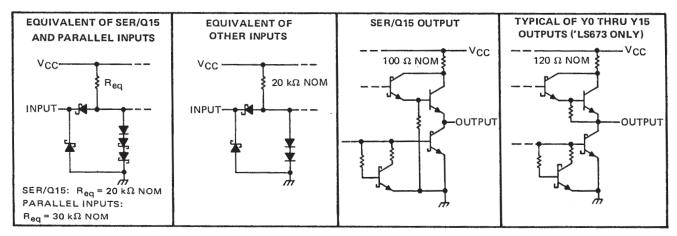
<sup>†</sup>When PE is active, data is synchronously parallel loaded into the shift registers from the 16 P inputs and no shifting takes place. Pin numbers shown are for DW, J, N, and W packages.

R/W (3)



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### schematics of inputs and outputs



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

Supply voltage, \									
Input voltage: S	SER/Q15								 5.5 V
/	All others								 7V
Off-state output	voltage								 5.5 V
Operating free-ai	r temperati	ure range:	SN54L	S673,	SN54LS	674			 –55°C to 125°C
		•	SN74L	S673,	SN74LS	674			 $1.0^{\circ}$ C to 70°C
Storage temperat	ture range					• • • • •	••••	• • • • • • • • •	 –65°C to 150°C

NOTE 1. Voltage values are with respect to network ground terminal.

#### recommended operating conditions

					SN54LS	*	S	N74LS'		UNIT
				MIN	NOM	MAX	MIN	NOM	MAX	UNIT
VCC	Supply voltage			4.5	5	5.5	4.75	5	5.25	V
lou	High-level output current	SER/Q15				- 1			-2.6	mA
I <sub>OH</sub> High-level output current	Y0 thru Y15				-0.4			-0.4		
let low!	Low-level output current	SER/Q15				12			24	mA
UL	IOL Low-level output current	Y0 thru Y15				4			8	IIIA
f <sub>clock</sub>	Clock frequency			0		20	0		20	MHz
tw(clock)	Width of clock input pulse			20			20			ns
<sup>t</sup> w(clear)	Width of clear input pulse			20			20			ns
		SER/Q15		20			20			
		P0 thru P15		20			20			]
t	Setup time	Mode		35			35			ns
t <sub>su</sub>	Setup time	R/W, CS		35			35			113
		SH CLK ↓ to M See Note 2	ode/STR CLK ↑	25			25			
		SER/Q15		0			0			
<b>.</b>	Hold time	PO thru P15	'LS673	0			0			ns
t <sub>h</sub>	Hold line	FULITUFIS	'LS674	5.0			5.0			
		Mode		0			. 0			
TA	Operating free-air temperat	ure		- 55		125	0		70	°C

NOTE 2: This setup time ensures the storage register will see stable data from the shift register.

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

	PARAMETER		TEGT CON			SN54LS			SN74LS	S'	
TANAMETEN		TEST CONDITIONS <sup>†</sup>		MIN	τγρ‡	MAX	MIN	TYP‡	MAX	UNIT	
VIH	High-level input voltage				2			2			V
VIL	Low-level input voltage						0.7			0.8	V
Vik	Input clamp voltage		V <sub>CC</sub> = MIN,	lj =18 mA			-1.5			-1.5	V
∨он	High-level output voltage	SER/Q15	V <sub>CC</sub> = MIN,	V <sub>IH</sub> = 2 V,	2.4	3.2		2.4	3.1		v
Ч		Y0 thru Y15¶	VIL = VILmax,	IOH = MAX	2.5	3.4		2.7	7 3.4		Ň
		SER/Q15	$V_{CC} = MIN,$	1 <sub>OL</sub> = 12 mA		0.25	0.4		0.25	0.4	
VOL	Low-level output voltage		$V_{IH} = 2 V,$	IOL = 24 mA					0.35	0.5	
	Y0 thru Y15¶	VIL = VILmax	IOL = 4 mA		0.25	0.4		0.25	0.4		
			I <sub>OL</sub> = 8 mA					0.35	0.5		
IOZH	Off-state output current,	SER/Q15	V <sub>CC</sub> = MAX,	$V_{IH} = 2 V,$			40			40	μA
-021	high-level voltage applied	0211/210	VIL ≈ VILmax,	V <sub>O</sub> = 2.7 V			40			40	<i>µ</i> ., (
IOZL	Off-state output current,	SER/Q15	$V_{CC} = MAX,$	VIH = 2 V,		0.4			0.4		
026	low-level voltage applied	5211/015	VIL = VILmax,	V <sub>O</sub> = 0.4 V		- 0.4		.4		- 0.4	mA
lj –	Input current at maximum	SER/Q15	V <sub>CC</sub> = MAX	V <sub>1</sub> = 5.5 V			0.1			0.1	
''	input voltage	Others	VCC - MAX	V  = 7 V			0.1			0.1	mA
ЧН	High-level input current	SER/Q15	V <sub>CC</sub> = MAX,	Vi = 2.7 V			40			40	μA
- 111		Others	VCC 10000,				20			20	μΑ
١L	Low-level input current		V <sub>CC</sub> = MAX,	VI = 0.4 V			-0.4			-0.4	mA
IOS Short-circuit output current§		SER/Q15	V <sub>CC</sub> = MAX		-30		-130	-30		-130	mA
.03		Y0 thru Y15¶	- CC 11/4/		-20		-100	-20		-100	
ICC Supply current		'LS673	V <sub>CC</sub> = MAX			50	80		52	80	mA
		'LS674				25	40		25	40	

<sup>†</sup>For conditions shown as MIN or MAX use the appropriate value specified under recommended operating conditions.

<sup>‡</sup>All typical values are at V<sub>CC</sub> = 5 V, T<sub>A</sub> =  $25^{\circ}$ C.

Not more than one output should be shorted at a time, and duration of the short circuit should not exceed one second. I' LS673 only.

### switching characteristics, $V_{CC}$ = 5 V, $T_A$ = 25°C, see note 2

PARAMETER	'LS673		'LS	674	TEST CONDITIONS	LAIN!	ТҮР	MAX	
FARAMETER	FROM	то	FROM	то	TEST CONDITIONS	MIN	ITP	MAX	UNIT
f <sub>max</sub>	SHCLK	SER/Q15	CLK	SER/Q15	R <sub>L</sub> = 667 Ω, C <sub>L</sub> = 45 pF	20	28		MHz
<sup>t</sup> PHL	STRCLR	Y0 thru Y15					25	40	
<b>TPLH</b>	MODE/	Y0 thru Y15			$R_L = 2 k\Omega, C_L = 15 pF$		28	45	ns
<sup>t</sup> PHL	STRCLK	10 111 115					30	45	1
tPLH	SH CLK	SER/Q15	CLK	SER/Q15	RL = 667 Ω, CL = 45 pF		21	33	
<sup>t</sup> PHL	SHOEK	oen/aro	CER	311/013	n		26	40	ns
<sup>t</sup> PZH	CS, R/W	SER/Q15	CS, R/₩	SER/Q15	$R_{L} = 667 \Omega, C_{L} = 45 pF$		30	45	
<sup>t</sup> PZL		SERVERS	03, 11/1	SEN/QTS	Π <u></u> - 007 32, C <u></u> - 43 βF		30	45	ns
<sup>t</sup> PHZ	CS, R/W	SER/Q15	ĊŠ, R/₩	SER/Q15	RL = 667 Ω, CL = 5 pF		25	40	
tPLZ	00,11/1	0211/015	00, 11/1	3011/015	n00/ 10, 0[ - 5 pr		25	40	ns

NOTE 2: Load circuits and voltage waveforms are shown in Section 1.



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9-Oct-2007

### **PACKAGING INFORMATION**

Se62-88602013A         ACTIVE         LCCC         FK         28         1         TBD         POST-FLATE         N / A for Pkg Type           5662-8860201JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5662-8860201JA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI           5962-8860201LA         OBSOLETE         CFP         W         24         1         TBD         Ad2 SNPB         N / A for Pkg Type           5962-8860201LA         ACTIVE         CDIP         JT         24         1         TBD         Ad2 SNPB         N / A for Pkg Type           5962-8860201LA         ACTIVE         CDCC         FK         28         1         TBD         Ad2 SNPB         N / A for Pkg Type           5962-88607013A         ACTIVE         LCCC         FK         28         1         TBD         Ad2 SNPB         N / A for Pkg Type           5962-8860701A         ACTIVE         CDIP         J         24         1         TBD         Ad2 SNPB         N / A for Pkg Type           5962-8860701A         ACTIVE         CDIP         J         24         1         TBD	Orderable Device	Status <sup>(1)</sup>	Package Type	Package Drawing	Pins	Package Qty	Eco Plan <sup>(2)</sup>	Lead/Ball Finish	n MSL Peak Temp <sup>(3)</sup>
5962-8660201JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8660201KA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI           5962-8660201LA         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8660201LA         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8660201LA         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8660701JA         ACTIVE         LCCC         FK         28         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8660701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8660701JA         OBSOLETE         CFP         W         24         TBD         Call TI         S662-8660701JA         ACTIVE         CDIP	5962-88602013A	ACTIVE	LCCC	FK	28	1	TBD	POST-PLATE	N / A for Pkg Type
5962-8660201KA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI           5962-8660201KA         OBSOLETE         CFP         W         24         TBD         Call TI         C	5962-8860201JA	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
5962-8860201LA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI           5962-8860201LA         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-88607013A         ACTIVE         LCCC         FK         28         1         TBD         POST-PLATE         N / A for Pkg Type           5962-88607013A         ACTIVE         LCCC         FK         28         1         TBD         POST-PLATE         N / A for Pkg Type           5962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701KA         OBSOLETE         CFP         W         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701KA         OBSOLETE         CFP         W         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54L5673J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54L5674J         ACTIVE         CDIP         J         24         1         TBD	5962-8860201JA	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
5962-8860201LA         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860201LA         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860201JA         ACTIVE         LCCC         FK         28         1         TBD         POST-PLATE         N / A for Pkg Type           6962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701KA         OBSOLETE         CFP         W         24         TBD         Call TI	5962-8860201KA	OBSOLETE	CFP	W	24		TBD	Call TI	Call TI
5962-8860201LA         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-88607013A         ACTIVE         LCCC         FK         28         1         TBD         POST-PLATE         N / A for Pkg Type           5962-88607013A         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701KA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI Call TI	5962-8860201KA	OBSOLETE	CFP	W	24		TBD	Call TI	Call TI
5962-88607013A         ACTIVE         LCCC         FK         28         1         TBD         POST-PLATE         N / A for Pkg Type           5962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         PA2 SNPB         N / A for Pkg Type           5962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701KA         OBSOLETE         CFP         W         24         TBD         Call TI	5962-8860201LA	ACTIVE	CDIP	JT	24	1	TBD	A42 SNPB	N / A for Pkg Type
5962-88607013A         ACTIVE         LCCC         FK         28         1         TBD         POST-PLATE         N / A for Pkg Type           5962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701KA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI         Call TI           5962-8860701KA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI </td <td>5962-8860201LA</td> <td>ACTIVE</td> <td>CDIP</td> <td>JT</td> <td>24</td> <td>1</td> <td>TBD</td> <td>A42 SNPB</td> <td>N / A for Pkg Type</td>	5962-8860201LA	ACTIVE	CDIP	JT	24	1	TBD	A42 SNPB	N / A for Pkg Type
5962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701KA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI           5962-8860701KA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI           SN54LS673J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673JT         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673JT         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674JT         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg	5962-88607013A	ACTIVE	LCCC	FK	28	1	TBD	POST-PLATE	N / A for Pkg Type
5962-8860701JA         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           5962-8860701KA         OBSOLETE         CFP         W         24         TBD         Call TI	5962-88607013A	ACTIVE	LCCC	FK	28	1	TBD	POST-PLATE	N / A for Pkg Type
5962-8860701KA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI           5962-8860701KA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI           SN54LS673J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673JT         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674JT         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674JT         ACTIVE         SOIC         DW         24         25         Green (RoHS & CU NIPDAU         Level-1-260C-UNLIM	5962-8860701JA	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
5962-8860701KA         OBSOLETE         CFP         W         24         TBD         Call TI         Call TI           SN54LS673J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673JT         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673JT         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674JT         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674JT         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN74LS673DW         ACTIVE         SOIC         DW         24         25         Green (RoHS & CU NIPDAU	5962-8860701JA	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
SN54LS673J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673JT         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674JT         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674JT         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN74LS673DW         ACTIVE         SOIC         DW         24         25         Green (RoHS & no Sb/B)         CU NIPDAU         Level-1-260C-UNLIM           SN74LS673DWE4         ACTIVE         SOIC         DW         24         25 <td>5962-8860701KA</td> <td>OBSOLETE</td> <td>CFP</td> <td>W</td> <td>24</td> <td></td> <td>TBD</td> <td>Call TI</td> <td>Call TI</td>	5962-8860701KA	OBSOLETE	CFP	W	24		TBD	Call TI	Call TI
SN54LS673J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673JT         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673JT         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674JT         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674JT         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN74LS673DW         ACTIVE         SOIC         DW         24         25         Green (RoHS & CU NIPDAU         Level-1-260C-UNLIM no Sb/Br)           SN74LS673DWE4         ACTIVE         SOIC         DW         24         25 <td< td=""><td>5962-8860701KA</td><td>OBSOLETE</td><td>CFP</td><td>W</td><td>24</td><td></td><td>TBD</td><td>Call TI</td><td>Call TI</td></td<>	5962-8860701KA	OBSOLETE	CFP	W	24		TBD	Call TI	Call TI
SN54LS673JT         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673JT         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674J         ACTIVE         CDIP         J         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS674JT         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN54LS673DW         ACTIVE         CDIP         JT         24         1         TBD         A42 SNPB         N / A for Pkg Type           SN74LS673DW         ACTIVE         SOIC         DW         24         25         Green (RoHS & CU NIPDAU         Level-1-260C-UNLIM           SN74LS673DWE4         ACTIVE         SOIC         DW         24         25         Green (RoHS & CU NIPDAU         Level-1-260C-UNLIM           SN74LS673DWE4         ACTIVE         SOIC         DW         24         25         Green (RoH	SN54LS673J	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
SN54LS673JTACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN54LS674JACTIVECDIPJ241TBDA42 SNPBN / A for Pkg TypeSN54LS674JACTIVECDIPJ241TBDA42 SNPBN / A for Pkg TypeSN54LS674JACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN54LS674JTACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN54LS673DWACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN74LS673DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673NACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673NACTIVEPDIPN2415Pb-FreeCU NIPDAUN	SN54LS673J	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
SN54LS674.JACTIVECDIPJ241TBDA42 SNPBN / A for Pkg TypeSN54LS674.JACTIVECDIPJ241TBDA42 SNPBN / A for Pkg TypeSN54LS674.JTACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN54LS674.JTACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN74LS673DWACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN74LS673DWACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673NACTIVESOICDW2425Green (RoHS & (RoHS)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NE4 <td< td=""><td>SN54LS673JT</td><td>ACTIVE</td><td>CDIP</td><td>JT</td><td>24</td><td>1</td><td>TBD</td><td>A42 SNPB</td><td>N / A for Pkg Type</td></td<>	SN54LS673JT	ACTIVE	CDIP	JT	24	1	TBD	A42 SNPB	N / A for Pkg Type
SN54LS674JACTIVECDIPJ241TBDA42 SNPBN / A for Pkg TypeSN54LS674JTACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN54LS674JTACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN74LS673DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673NACTIVEPDIPN2415Pb-FreeCU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NE4ACTIVEPDIPN2415Pb-FreeCU NIPDAUN / A for Pkg Type (ROHS)SN74LS673NE4ACTIVEPDIPN2415Pb-FreeCU NIPDAUN / A for	SN54LS673JT	ACTIVE	CDIP	JT	24	1	TBD	A42 SNPB	N / A for Pkg Type
SN54LS674JTACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN54LS674JTACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN74LS673DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673NACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673NACTIVEPDIPN2415Pb-FreeCU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NE4ACTIVEPDIPN2415Pb-FreeCU NIPDAUN / A for Pkg Type (RoHS)SN74LS673DE4ACTIVEPDIPN2415Pb-FreeCU NIPDA	SN54LS674J	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
SN54LS674JTACTIVECDIPJT241TBDA42 SNPBN / A for Pkg TypeSN74LS673DWACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & Green (RoHS & N Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & Green (RoHS & N/A for DAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & Green (RoHS & N/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673NACTIVESOICDW2425Green (RoHS & Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS674DWACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS674DWACTIVESOIC<	SN54LS674J	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
SN74LS673DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM Level-1-260C-UNLIM no Sb/Br)SN74LS673DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)N / A for Pkg Type (RoHS)SN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)N / A for Pkg Type (RoHS)SN74LS674DWACTIVEPDIPN2415Pb-Free (RoHS)N / A for Pkg Type (RoHS)SN74LS674DWACTIVESOICDW2425Green (RoHS & CU NIPDAUN / A for Pkg Type (RoHS)SN74LS674DWACTIVESOICDW24 </td <td>SN54LS674JT</td> <td>ACTIVE</td> <td>CDIP</td> <td>JT</td> <td>24</td> <td>1</td> <td>TBD</td> <td>A42 SNPB</td> <td>N / A for Pkg Type</td>	SN54LS674JT	ACTIVE	CDIP	JT	24	1	TBD	A42 SNPB	N / A for Pkg Type
N74LS673DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673NACTIVEPDIPN2415Pb-Free (ROHS)CU NIPDAUN / A for Pkg Type (ROHS)SN74LS673NE4ACTIVEPDIPN2415Pb-Free (ROHS)CU NIPDAUN / A for Pkg Type (ROHS)SN74LS673NE4ACTIVEPDIPN2415Pb-Free (ROHS)N / A for Pkg Type (ROHS)SN74LS673NE4ACTIVEPDIPN2415Pb-Free (ROHS)N / A for Pkg Type (ROHS)SN74LS674DWACTIVESOICDW2425Green (ROHS & CU NIPDAUN / A for Pkg Type (ROHS)SN74LS674DWACTIVESOICDW </td <td>SN54LS674JT</td> <td>ACTIVE</td> <td>CDIP</td> <td>JT</td> <td>24</td> <td>1</td> <td>TBD</td> <td>A42 SNPB</td> <td>N / A for Pkg Type</td>	SN54LS674JT	ACTIVE	CDIP	JT	24	1	TBD	A42 SNPB	N / A for Pkg Type
N74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS674DWACTIVEPDIPN2425Green (RoHS & (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS674DWACTIVESOICDW2425Green (RoHS & (ROHS)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS674DWACTIVESOICDW2425Green (RoHS & (ROHS)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)	SN74LS673DW	ACTIVE	SOIC	DW	24	25	``	CU NIPDAU	Level-1-260C-UNLIM
N74LS673DWE4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS674DWACTIVESOICDW2425Green (RoHS & (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS674DWACTIVESOICDW2425Green (RoHS & (RoHS)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS674DWACTIVESOICDW2425Green (RoHS & (RoHS)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)	SN74LS673DW	ACTIVE	SOIC	DW	24	25	``	CU NIPDAU	Level-1-260C-UNLIM
N74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIMSN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS674DWACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIMSN74LS674DWACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM	SN74LS673DWE4	ACTIVE	SOIC	DW	24	25	· ·	CU NIPDAU	Level-1-260C-UNLIM
N74LS673DWG4ACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg Type (RoHS)SN74LS674DWACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS674DWACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)	SN74LS673DWE4	ACTIVE	SOIC	DW	24	25	,	CU NIPDAU	Level-1-260C-UNLIM
N74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS674DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS674DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)	SN74LS673DWG4	ACTIVE	SOIC	DW	24	25		CU NIPDAU	Level-1-260C-UNLIM
SN74LS673NACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS674DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS674DWACTIVESOICDW2425Green (RoHS & CU NIPDAULevel-1-260C-UNLIM no Sb/Br)	SN74LS673DWG4	ACTIVE	SOIC	DW	24	25	,	CU NIPDAU	Level-1-260C-UNLIM
(RoHS)SN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS673NE4ACTIVEPDIPN2415Pb-Free (RoHS)CU NIPDAUN / A for Pkg TypeSN74LS674DWACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)SN74LS674DWACTIVESOICDW2425Green (RoHS & no Sb/Br)CU NIPDAULevel-1-260C-UNLIM no Sb/Br)	SN74LS673N	ACTIVE	PDIP	Ν	24	15		CU NIPDAU	N / A for Pkg Type
(RoHS)         SN74LS673NE4       ACTIVE       PDIP       N       24       15       Pb-Free (RoHS)       CU NIPDAU       N / A for Pkg Type         SN74LS674DW       ACTIVE       SOIC       DW       24       25       Green (RoHS & CU NIPDAU       Level-1-260C-UNLIM no Sb/Br)         SN74LS674DW       ACTIVE       SOIC       DW       24       25       Green (RoHS & CU NIPDAU       Level-1-260C-UNLIM no Sb/Br)	SN74LS673N	ACTIVE	PDIP	Ν	24	15		CU NIPDAU	N / A for Pkg Type
(RoHS)         SN74LS674DW       ACTIVE       SOIC       DW       24       25       Green (RoHS & CU NIPDAU       Level-1-260C-UNLIM no Sb/Br)         SN74LS674DW       ACTIVE       SOIC       DW       24       25       Green (RoHS & CU NIPDAU       Level-1-260C-UNLIM no Sb/Br)         SN74LS674DW       ACTIVE       SOIC       DW       24       25       Green (RoHS & CU NIPDAU       Level-1-260C-UNLIM no Sb/Br)	SN74LS673NE4	ACTIVE	PDIP	N	24	15		CU NIPDAU	N / A for Pkg Type
no Sb/Br) SN74LS674DW ACTIVE SOIC DW 24 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM no Sb/Br)	SN74LS673NE4	ACTIVE	PDIP	N	24	15		CU NIPDAU	N / A for Pkg Type
no Šb/Br)	SN74LS674DW	ACTIVE	SOIC	DW	24	25	``	CU NIPDAU	Level-1-260C-UNLIM
SN74LS674DWG4 ACTIVE SOIC DW 24 25 Green (RoHS & CU NIPDAU Level-1-260C-UNLIM	SN74LS674DW	ACTIVE	SOIC	DW	24	25		CU NIPDAU	Level-1-260C-UNLIM
	SN74LS674DWG4	ACTIVE	SOIC	DW	24	25	Green (RoHS &	CU NIPDAU	Level-1-260C-UNLIM

Orderable Device	Status <sup>(1)</sup>	Package Type	Package Drawing	Pins	Packag Qty	e Eco Plan <sup>(2)</sup>	Lead/Ball Finish	n MSL Peak Temp <sup>(3)</sup>
						no Sb/Br)		
SN74LS674DWG4	ACTIVE	SOIC	DW	24	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LS674N	ACTIVE	PDIP	Ν	24	15	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74LS674N	ACTIVE	PDIP	Ν	24	15	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74LS674NE4	ACTIVE	PDIP	Ν	24	15	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74LS674NE4	ACTIVE	PDIP	Ν	24	15	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SNJ54LS673FK	ACTIVE	LCCC	FK	28	1	TBD	POST-PLATE	N / A for Pkg Type
SNJ54LS673FK	ACTIVE	LCCC	FK	28	1	TBD	POST-PLATE	N / A for Pkg Type
SNJ54LS673J	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ54LS673J	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ54LS673JT	ACTIVE	CDIP	JT	24	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ54LS673JT	ACTIVE	CDIP	JT	24	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ54LS673W	OBSOLETE	CFP	W	24		TBD	Call TI	Call TI
SNJ54LS673W	OBSOLETE	CFP	W	24		TBD	Call TI	Call TI
SNJ54LS674FK	ACTIVE	LCCC	FK	28	1	TBD	POST-PLATE	N / A for Pkg Type
SNJ54LS674FK	ACTIVE	LCCC	FK	28	1	TBD	POST-PLATE	N / A for Pkg Type
SNJ54LS674J	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ54LS674J	ACTIVE	CDIP	J	24	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ54LS674JT	ACTIVE	CDIP	JT	24	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ54LS674JT	ACTIVE	CDIP	JT	24	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ54LS674W	OBSOLETE	CFP	W	24		TBD	Call TI	Call TI
SNJ54LS674W	OBSOLETE	CFP	W	24		TBD	Call TI	Call TI

<sup>(1)</sup> 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)

<sup>(3)</sup> 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



# PACKAGE OPTION ADDENDUM

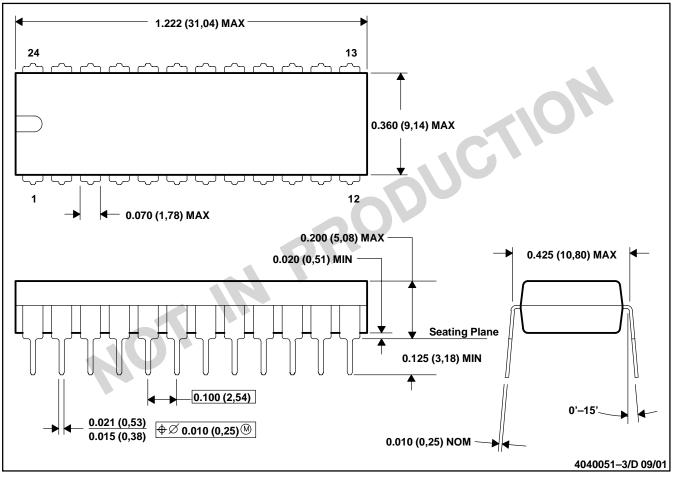
provided. TI bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy of such information. Efforts are underway to better integrate information from third parties. TI has taken and continues to take reasonable steps to provide 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.

MPDI006B - SEPTEMBER 2001 - REVISED APRIL 2002

#### N (R-PDIP-T24)

#### PLASTIC DUAL-IN-LINE



- NOTES: A. All linear dimensions are in inches (millimeters).
  - B. This drawing is subject to change without notice.
  - C. Falls within JEDEC MS-010



MLCC006B - OCTOBER 1996

### FK (S-CQCC-N\*\*)

### LEADLESS CERAMIC CHIP CARRIER

28 TERMINAL SHOWN



NOTES: A. All linear dimensions are in inches (millimeters).

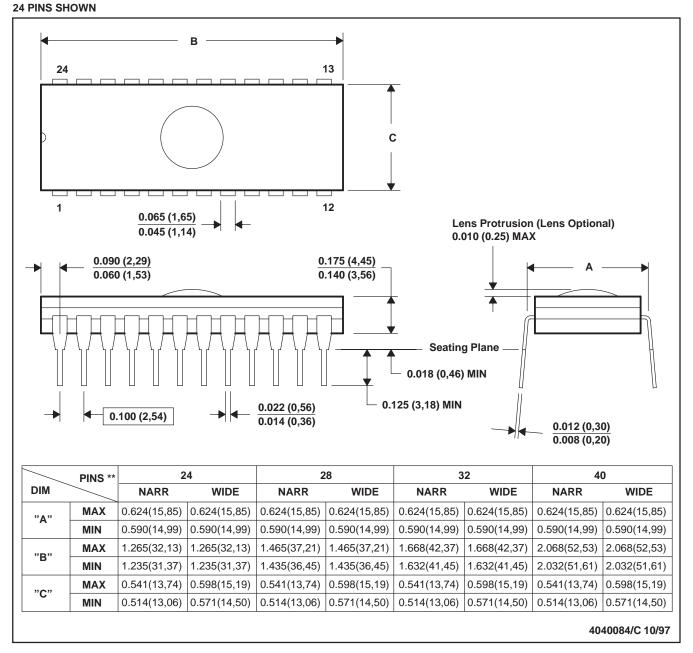
- B. This drawing is subject to change without notice.
- C. This package can be hermetically sealed with a metal lid.
- D. The terminals are gold plated.
- E. Falls within JEDEC MS-004



MCDI004A - JANUARY 1995 - REVISED NOVEMBER 1997

#### **CERAMIC DUAL-IN-LINE PACKAGE**

J (R-GDIP-T\*\*)



NOTES: A. All linear dimensions are in inches (millimeters).

- B. This drawing is subject to change without notice.
- C. Window (lens) added to this group of packages (24-, 28-, 32-, 40-pin).
- D. This package can be hermetically sealed with a ceramic lid using glass frit.
- E. Index point is provided on cap for terminal identification.



DW (R-PDSO-G24)

PLASTIC SMALL-OUTLINE PACKAGE



NOTES: A. All linear dimensions are in inches (millimeters).

B. This drawing is subject to change without notice.

C. Body dimensions do not include mold flash or protrusion not to exceed 0.006 (0,15).

D. Falls within JEDEC MS-013 variation AD.



MPDI008 - OCTOBER 1994

### N (R-PDIP-T\*\*)

#### PLASTIC DUAL-IN-LINE PACKAGE

24 PIN SHOWN



NOTES: A. All linear dimensions are in inches (millimeters).

- B. This drawing is subject to change without notice.
- C. Falls within JEDEC MS-011
- D. Falls within JEDEC MS-015 (32 pin only)



MCFP007 - OCTOBER 1994



NOTES: 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. Falls within MIL-STD-1835 GDFP2-F24 and JEDEC MO-070AD
- E. Index point is provided on cap for terminal identification only.



MCER004A - JANUARY 1995 - REVISED JANUARY 1997

### JT (R-GDIP-T\*\*)

### **CERAMIC DUAL-IN-LINE**

24 LEADS SHOWN



NOTES: 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.
- E. Falls within MIL STD 1835 GDIP3-T24, GDIP4-T28, and JEDEC MO-058 AA, MO-058 AB



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