

TEXAS INSTRUMENTS

Informational Notification of CD74AC/ACT Operating Temperature Range Modifications from "-40C to 85C" TO "-55C to 125C"

June 20, 2002

Abstract

Texas Instruments Standard Linear and Logic Products (SLL) is modifying the operating temperature range from "-40C to 85C" back to "-55C to 125C" based on customer feedback.

Analysis

Texas Instruments acquired the CD74AC/ACT product line from Harris Semiconductor in 1998 supplementing, and in some cases duplicating, the SN74AC/ACT products offered by TI. At that time, the existing Harris data sheets were modified with a Texas Instruments logo.

PCN20010904001, dated 9/6/2001 standardized the temperature range for CD74AC/ACT and SN74AC/ACT product families. Texas Instruments is modifying the temperature range and returning to the original range (-55C to 125C) specified in the Harris datasheet.

Texas Instruments is committed to meeting customer requirements, and this action further strengthens that philosophy.

Table 1 shows a list of orderable device types.

Contact

If you should have questions or wish additional information, please contact your local Field Sales Office or the contacts listed below.

Contact	Location	Organization	Telephone	E-Mail
Linda Miles	USA	SLL QRA	(903) 868-7638	l-miles@ti.com
Guenter Gutwein	Europe	MSLP Customer Engineering	(+49) 8161 80 4253	g-gutwein@ti.com
Scott Jen	Asia Pacific	AP Customer Satisfaction	886-2-9462691	taiq@ti.com
Shinichiro Hirai	Japan	SLL Engineering	+81-977-73-1761	sh77@ti.com

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Table 1: List of Orderable Device Types

Device Type	Pin	Package	Device Type	Pin	Package	Device Type	Pin	Package
CD74AC00E	14	N	CD74AC158M	16	D	CD74AC273E	20	N
CD74AC00M	14	D	CD74AC161E	16	N	CD74AC273M	20	DW
CD74AC00M96	14	D	CD74AC161M	16	D	CD74AC273M96	20	DW
CD74AC02E	14	N	CD74AC161M96	16	D	CD74AC273SM	20	DB
CD74AC02M	14	D	CD74AC163E	16	N	CD74AC280E	14	N
CD74AC02M96	14	D	CD74AC163M	16	D	CD74AC280M	14	D
CD74AC04E	14	N	CD74AC163M96	16	D	CD74AC280M96	14	D
CD74AC04M	14	D	CD74AC164E	14	N	CD74AC283E	16	N
CD74AC04M96	14	D	CD74AC164M	14	D	CD74AC283M	16	D
CD74AC05E	14	N	CD74AC164M96	14	D	CD74AC283M96	16	D
CD74AC05M	14	D	CD74AC174E	16	N	CD74AC299M	20	DW
CD74AC05M96	14	D	CD74AC174M	16	D	CD74AC299M96	20	DW
CD74AC08E	14	N	CD74AC174M96	16	D	CD74AC323M	20	DW
CD74AC08M	14	D	CD74AC175M	16	D	CD74AC32E	14	N
CD74AC08M96	14	D	CD74AC175M96	16	D	CD74AC32M	14	D
CD74AC109E	16	N	CD74AC20E	14	N	CD74AC32M96	14	D
CD74AC109M96	16	D	CD74AC20M	14	D	CD74AC373E	20	N
CD74AC10E	14	N	CD74AC20M96	14	D	CD74AC373M	20	DW
CD74AC10M	14	D	CD74AC238M96	16	D	CD74AC373M96	20	DW
CD74AC10M96	14	D	CD74AC240E	20	N	CD74AC374E	20	N
CD74AC112E	16	N	CD74AC240M	20	DW	CD74AC374M	20	DW
CD74AC112M	16	D	CD74AC240M96	20	DW	CD74AC374M96	20	DW
CD74AC112M96	16	D	CD74AC244E	20	N	CD74AC534M96	20	DW
CD74AC138E	16	N	CD74AC244M	20	DW	CD74AC540M	20	DW
CD74AC138M	16	D	CD74AC244M96	20	DW	CD74AC541E	20	N
CD74AC138M96	16	D	CD74AC244SM	20	DB	CD74AC541M	20	DW
CD74AC139E	16	N	CD74AC244SM96	20	DB	CD74AC541M96	20	DW
CD74AC139EX	16	N	CD74AC245E	20	N	CD74AC541SM	20	DB
CD74AC139M	16	D	CD74AC245M	20	DW	CD74AC541SM96	20	DB
CD74AC139M96	16	D	CD74AC245M96	20	DW	CD74AC563E	20	N
CD74AC14E	14	N	CD74AC245SM	20	DB	CD74AC573E	20	N
CD74AC14M	14	D	CD74AC245SM96	20	DB	CD74AC573M	20	DW
CD74AC14M96	14	D	CD74AC251M	16	D	CD74AC573M96	20	DW
CD74AC151E	16	N	CD74AC251M96	16	D	CD74AC574E	20	N
CD74AC151M96	16	D	CD74AC253M	16	D	CD74AC574M	20	DW
CD74AC153E	16	N	CD74AC253M96	16	D	CD74AC574M96	20	DW
CD74AC153M96	16	D	CD74AC257E	16	N	CD74AC623E	20	N
CD74AC157E	16	N	CD74AC257M	16	D	CD74AC646M	24	DW
CD74AC157M	16	D	CD74AC257M96	16	D	CD74AC646M96	24	DW
CD74AC157M96	16	D	CD74AC257SM	16	DB	CD74AC652M96	24	DW

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Device Type	Pin	Package	Device Type	Pin	Package	Device Type	Pin	Package
CD74AC74E	14	N	CD74ACT153M	16	D	CD74ACT253E	16	N
CD74AC74M	14	D	CD74ACT153M96	16	D	CD74ACT253M	16	D
CD74AC74M96	14	D	CD74ACT157E	16	N	CD74ACT253M96	16	D
CD74AC86E	14	N	CD74ACT157M	16	D	CD74ACT257E	16	N
CD74AC86M	14	D	CD74ACT157M96	16	D	CD74ACT257M	16	D
CD74AC86M96	14	D	CD74ACT158M96	16	D	CD74ACT257M96	16	D
CD74ACT00E	14	N	CD74ACT161E	16	N	CD74ACT257SM	16	DB
CD74ACT00M	14	D	CD74ACT161M	16	D	CD74ACT258M	16	D
CD74ACT00M96	14	D	CD74ACT161M96	16	D	CD74ACT258M96	16	D
CD74ACT02E	14	N	CD74ACT163E	16	N	CD74ACT273E	20	N
CD74ACT02M	14	D	CD74ACT163M	16	D	CD74ACT273M	20	DW
CD74ACT02M96	14	D	CD74ACT163M96	16	D	CD74ACT273M96	20	DW
CD74ACT04E	14	N	CD74ACT164E	14	N	CD74ACT273SM	20	DB
CD74ACT04M	14	D	CD74ACT164M	14	D	CD74ACT273SM96	20	DB
CD74ACT04M96	14	D	CD74ACT164M96	14	D	CD74ACT280E	14	N
CD74ACT05E	14	N	CD74ACT174E	16	N	CD74ACT280M	14	D
CD74ACT05M	14	D	CD74ACT174M	16	D	CD74ACT280M96	14	D
CD74ACT05M96	14	D	CD74ACT174M96	16	D	CD74ACT283E	16	N
CD74ACT08E	14	N	CD74ACT175E	16	N	CD74ACT283M	16	D
CD74ACT08M	14	D	CD74ACT175M	16	D	CD74ACT283M96	16	D
CD74ACT08M96	14	D	CD74ACT175M96	16	D	CD74ACT297M	16	D
CD74ACT109E	16	N	CD74ACT20E	14	N	CD74ACT299M	20	DW
CD74ACT109M	16	D	CD74ACT20M	14	D	CD74ACT299M96	20	DW
CD74ACT109M96	16	D	CD74ACT20M96	14	D	CD74ACT32E	14	N
CD74ACT10E	14	N	CD74ACT238E	16	N	CD74ACT32M	14	D
CD74ACT10M	14	D	CD74ACT240E	20	N	CD74ACT32M96	14	D
CD74ACT10M96	14	D	CD74ACT240M	20	DW	CD74ACT373E	20	N
CD74ACT112M	16	D	CD74ACT240M96	20	DW	CD74ACT373M	20	DW
CD74ACT112M96	16	D	CD74ACT241E	20	N	CD74ACT373M96	20	DW
CD74ACT138E	16	N	CD74ACT241M96	20	DW	CD74ACT374E	20	N
CD74ACT138M	16	D	CD74ACT244E	20	N	CD74ACT374M	20	DW
CD74ACT138M96	16	D	CD74ACT244M	20	DW	CD74ACT374M96	20	DW
CD74ACT139E	16	N	CD74ACT244M96	20	DW	CD74ACT540E	20	N
CD74ACT139M	16	D	CD74ACT244SM	20	DB	CD74ACT540M	20	DW
CD74ACT139M96	16	D	CD74ACT244SM96	20	DB	CD74ACT540M96	20	DW
CD74ACT14E	14	N	CD74ACT245E	20	N	CD74ACT541E	20	N
CD74ACT14M	14	D	CD74ACT245M	20	DW	CD74ACT541M	20	DW
CD74ACT14M96	14	D	CD74ACT245M96	20	DW	CD74ACT541M96	20	DW
CD74ACT151M96	16	D	CD74ACT245SM	20	DB	CD74ACT541SM96	20	DB
CD74ACT153E	16	N	CD74ACT245SM96	20	DB	CD74ACT573E	20	N

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Device Type	Pin	Package
CD74ACT573M	20	DW
CD74ACT573M96	20	DW
CD74ACT574E	20	N
CD74ACT574M	20	DW
CD74ACT574M96	20	DW
CD74ACT623M96	20	DW
CD74ACT646EN	24	NT
CD74ACT646M	24	DW
CD74ACT646M96	24	DW
CD74ACT651M96	24	DW
CD74ACT652EN	24	NT
CD74ACT652M	24	DW
CD74ACT652M96	24	DW
CD74ACT74E	14	N
CD74ACT74M	14	D
CD74ACT74M96	14	D
CD74ACT86E	14	N
CD74ACT86M	14	D
CD74ACT86M96	14	D