

**ON Semiconductor**  
Formerly a Division of Motorola



Subject: Motorola PRODUCT DISCONTINUANCE 4413

TITLE: END OF LIFE FOR SPECIFIC MC74HC/TXXX DEVICE TYPES

LAST BUY DATE: 31-JUL-1999

LAST SHIP DATE: 31-JAN-2000

AFFECTED CHANGE CATEGORIES

AFFECTED PRODUCT DIVISIONS

GENERAL PURPOSE PRO

ADDITIONAL RELIABILITY DATA: None

Ref:

SAMPLES: No

Ref:

For any questions concerning this notification:

REFERENCE: TOM BRUNER

PHONE: 602-244-5866

DISCLAIMER:

CUSTOMERS MUST NOTIFY MOTOROLA IN WRITING WITHIN 90 DAYS OF RECEIPT OF THIS NOTIFICATION IF THEY CONSIDER THE DISCONTINUED PRODUCT TO BE "SOLE SOURCE." MOTOROLA AND THE CUSTOMER MAY NEGOTIATE AN APPROPRIATE END-OF-LIFE GPCN FORMAT: CUSTOMER

DO NOT REPLY TO THIS MESSAGE.

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PRODUCT DISCONTINUANCE

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ISSUE DATE: 04-Feb-1999

NOTIFICATION #:4413

LAST BUY DATE: 31-Jul-1999

LAST SHIP DATE: 31-Jan-2000

DESCRIPTION AND PURPOSE

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The attached information refers to certain HSL products purchased by your company, which Motorola intends to discontinue manufacturing. The decision to discontinue these devices is part of an overall Product Portfolio renewal process. Although this may cause some short term inconveniences, which we regret, we believe we will be able to serve you better in the long term. Motorola continues to make substantial investments in both new technologies and improved manufacturing capabilities to provide you the highest quality and reliable semiconductors in the industry. We believe these actions will also improve our ability to serve you in the future.

While Motorola continues to have a strong commitment to standard commodity Logic families, there are specific device types that we have decided to discontinue due to low sales volume and a consolidation of our wafer manufacturing sites. In order to concentrate on new products and future technologies, it is mandatory to reduce the overall portfolio size of the MC74HCxxx and MC74HCTxxx product family.

The devices listed on this PCN will be discontinued by Motorola. There are many other Logic suppliers of this product family, (Fairchild, Toshiba, Texas Instruments/Harris, STM, and Philips). Most devices are available from at least two other manufacturers. Some devices may be offered in the new VHC product family and may be acceptable replacement parts.

For any device types that may be sole sourced in a specific application, customers are encouraged to forecast their needs ,(including repair and maintenance) for the lifetime of their products and to provide that information to their Motorola sales contact.

The current 4" wafer manufacturing site will be closed in September 1999. Therefore all lifetime buy orders must be placed by July 31, 1999 and will be shipped by January 31, 2000.

End of Life buy orders have to be placed before July 31, 1999 and will be shipped before January 31, 2000.

NOTE: DUE TO THE CLOSURE OF THE MANUFACTURING SITE FOR THESE PRODUCTS, MOTOROLA CANNOT ALLOW THE STANDARD TWELVE (12) MONTHS FROM THE ANNOUNCEMENT DATE TO PLACE FINAL LIFETIME PURCHASE ORDERS. ALL ORDERS MUST BE PLACED BY July 31, 1999.

NOTE: TO ALLOW AN ORDERLY EXIT FROM THE MARKET, PRODUCT SHALL NOT BE DELIVERED AFTER EIGHTEEN (18) MONTHS BEYOND THE ANNOUNCEMENT DATE.

POSSIBLE REPLACEMENT PARTS

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Consult factory for recommended replacement device.

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PRODUCT DISCONTINUANCE

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ISSUE DATE: 04-Feb-1999

NOTIFICATION #:4413

ISSUING DIVISION:PHX-GPPD

FILE FORMAT: ASCII TEXT

FONT - Courier

SIZE - 12 Point

LINE - 70 characters/line

PAGE - 55 lines/page

PAGEBREAK CHARACTER - ^L (Control L)

AFCTD DEVICE (W/O SPECIALS) ,FORMAT: PN, REPL MOT PN, NON MOT INFO

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MC74HC107D	,	,
MC74HC107DR2	,	,
MC74HC107F	,	,
MC74HC107FEL	,	,
MC74HC107FL1	,	,
MC74HC107FL2	,	,
MC74HC107FR2	,	,
MC74HC107N	,	,
MC74HC10D	,	,
MC74HC10DR2	,	,
MC74HC10F	,	,
MC74HC10FEL	,	,
MC74HC10FL1	,	,
MC74HC10FL2	,	,
MC74HC10FR1	,	,
MC74HC10FR2	,	,
MC74HC10N	,	,
MC74HC11D	,	,
MC74HC11DR2	,	,
MC74HC11F	,	,
MC74HC11FEL	,	,
MC74HC11FL1	,	,
MC74HC11FL2	,	,
MC74HC11FR1	,	,
MC74HC11FR2	,	,
MC74HC11N	,	,
MC74HC133D	,	,
MC74HC133DR2	,	,
MC74HC133F	,	,
MC74HC133FEL	,	,
MC74HC133FL1	,	,
MC74HC133FR2	,	,
MC74HC133N	,	,
MC74HC137D	,	,
MC74HC137DR2	,	,
MC74HC137F	,	,
MC74HC137FL1	,	,
MC74HC137FL2	,	,
MC74HC137FR2	,	,
MC74HC137N	,	,

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PRODUCT DISCONTINUANCE

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ISSUE DATE: 04-Feb-1999

NOTIFICATION #:4413

ISSUING DIVISION:PHX-GPPD

- MC74HC147D , ,
- MC74HC147DR2 , ,
- MC74HC147F , ,
- MC74HC147FEL , ,
- MC74HC147FL1 , ,
- MC74HC147N , ,
- MC74HC151D , ,
- MC74HC151DR2 , ,
- MC74HC151F , ,
- MC74HC151FEL , ,
- MC74HC151FL1 , ,
- MC74HC151FL2 , ,
- MC74HC151FR1 , ,
- MC74HC151FR2 , ,
- MC74HC151N , ,
- MC74HC153D , ,
- MC74HC153DR2 , ,
- MC74HC153F , ,
- MC74HC153FEL , ,
- MC74HC153FL1 , ,
- MC74HC153FR1 , ,
- MC74HC153FR2 , ,
- MC74HC153N , ,
- MC74HC154DW , ,
- MC74HC154DWR2 , ,
- MC74HC154N , ,
- MC74HC173D , ,
- MC74HC173DR2 , ,
- MC74HC173F , ,
- MC74HC173FEL , ,
- MC74HC173FL1 , ,
- MC74HC173FR2 , ,
- MC74HC173N , ,
- MC74HC20D , ,
- MC74HC20DR2 , ,
- MC74HC20DT , ,
- MC74HC20DTEL , ,
- MC74HC20F , ,
- MC74HC20FEL , ,
- MC74HC20FL1 , ,
- MC74HC20FR1 , ,
- MC74HC20FR2 , ,
- MC74HC20N , ,
- MC74HC237D , ,
- MC74HC237DR2 , ,
- MC74HC237F , ,
- MC74HC237FEL , ,
- MC74HC237FL1 , ,
- MC74HC237FL2 , ,
- MC74HC237FR1 , ,
- MC74HC237FR2 , ,
- MC74HC237N , ,
- MC74HC241ADW , ,

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PRODUCT DISCONTINUANCE

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ISSUE DATE: 04-Feb-1999

NOTIFICATION #:4413

ISSUING DIVISION:PHX-GPPD

- MC74HC241ADWR2 , ,
- MC74HC241AF , ,
- MC74HC241AFEL , ,
- MC74HC241AFL1 , ,
- MC74HC241AFR1 , ,
- MC74HC241AH , ,
- MC74HC241AN , ,
- MC74HC251D , ,
- MC74HC251DR2 , ,
- MC74HC251F , ,
- MC74HC251FEL , ,
- MC74HC251FL1 , ,
- MC74HC251FL2 , ,
- MC74HC251FR2 , ,
- MC74HC251N , ,
- MC74HC253D , ,
- MC74HC253DR2 , ,
- MC74HC253F , ,
- MC74HC253FEL , ,
- MC74HC253FL1 , ,
- MC74HC253FR2 , ,
- MC74HC253N , ,
- MC74HC257D , ,
- MC74HC257DR2 , ,
- MC74HC257F , ,
- MC74HC257FEL , ,
- MC74HC257FL1 , ,
- MC74HC257FL2 , ,
- MC74HC257FR1 , ,
- MC74HC257FR2 , ,
- MC74HC257N , ,
- MC74HC259D , ,
- MC74HC259DR2 , ,
- MC74HC259DT , ,
- MC74HC259DTR2 , ,
- MC74HC259F , ,
- MC74HC259FEL , ,
- MC74HC259FL1 , ,
- MC74HC259N , ,
- MC74HC27D , ,
- MC74HC27DR2 , ,
- MC74HC27F , ,
- MC74HC27FEL , ,
- MC74HC27FL1 , ,
- MC74HC27FL2 , ,
- MC74HC27FR1 , ,
- MC74HC27FR2 , ,
- MC74HC27N , ,
- MC74HC280D , ,
- MC74HC280DR2 , ,
- MC74HC280F , ,
- MC74HC280FEL , ,

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PRODUCT DISCONTINUANCE

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ISSUE DATE: 04-Feb-1999

NOTIFICATION #:4413

ISSUING DIVISION:PHX-GPPD

- MC74HC280FL1 , ,
- MC74HC280FR2 , ,
- MC74HC280N , ,
- MC74HC299DW , ,
- MC74HC299DWR2 , ,
- MC74HC299F , ,
- MC74HC299FR2 , ,
- MC74HC299H , ,
- MC74HC299N , ,
- MC74HC30D , ,
- MC74HC30DR2 , ,
- MC74HC30DT , ,
- MC74HC30F , ,
- MC74HC30FEL , ,
- MC74HC30FL1 , ,
- MC74HC30FR1 , ,
- MC74HC30FR2 , ,
- MC74HC30N , ,
- MC74HC365AD , ,
- MC74HC365ADR2 , ,
- MC74HC365ADT , ,
- MC74HC365ADTEL , ,
- MC74HC365ADTR2 , ,
- MC74HC365AF , ,
- MC74HC365AFL1 , ,
- MC74HC365AFR1 , ,
- MC74HC365AFR2 , ,
- MC74HC365AN , ,
- MC74HC367ADT , ,
- MC74HC367AF , ,
- MC74HC367AFEL , ,
- MC74HC367AFL1 , ,
- MC74HC367AFR1 , ,
- MC74HC367AFR2 , ,
- MC74HC367AN , ,
- MC74HC4002D , ,
- MC74HC4002DR2 , ,
- MC74HC4002F , ,
- MC74HC4002FEL , ,
- MC74HC4002FL1 , ,
- MC74HC4002N , ,
- MC74HC4017D , ,
- MC74HC4017DR2 , ,
- MC74HC4017F , ,
- MC74HC4017FEL , ,
- MC74HC4017FL1 , ,
- MC74HC4017FR2 , ,
- MC74HC4017N , ,
- MC74HC4024D , ,
- MC74HC4024DR2 , ,
- MC74HC4024DT , ,
- MC74HC4024F , ,

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PRODUCT DISCONTINUANCE

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ISSUE DATE: 04-Feb-1999

NOTIFICATION #:4413

ISSUING DIVISION:PHX-GPPD

- MC74HC4024FEL , ,
- MC74HC4024FL1 , ,
- MC74HC4024FL2 , ,
- MC74HC4024FR1 , ,
- MC74HC4024N , ,
- MC74HC4049D , ,
- MC74HC4049DR2 , ,
- MC74HC4049F , ,
- MC74HC4049FEL , ,
- MC74HC4049FL1 , ,
- MC74HC4049FL2 , ,
- MC74HC4049FR2 , ,
- MC74HC4049N , ,
- MC74HC4050D , ,
- MC74HC4050DR2 , ,
- MC74HC4050DT , ,
- MC74HC4050DTEL , ,
- MC74HC4050DTR2 , ,
- MC74HC4050F , ,
- MC74HC4050FEL , ,
- MC74HC4050FL1 , ,
- MC74HC4050FR1 , ,
- MC74HC4050FR2 , ,
- MC74HC4050N , ,
- MC74HC4075D , ,
- MC74HC4075DR2 , ,
- MC74HC4075F , ,
- MC74HC4075FEL , ,
- MC74HC4075FL1 , ,
- MC74HC4075FL2 , ,
- MC74HC4075FR1 , ,
- MC74HC4075FR2 , ,
- MC74HC4075N , ,
- MC74HC4078D , ,
- MC74HC4078DR2 , ,
- MC74HC4078F , ,
- MC74HC4078FEL , ,
- MC74HC4078FL1 , ,
- MC74HC4078N , ,
- MC74HC42D , ,
- MC74HC42DR2 , ,
- MC74HC42F , ,
- MC74HC42FEL , ,
- MC74HC42FR1 , ,
- MC74HC42N , ,
- MC74HC4351DW , ,
- MC74HC4351DWR2 , ,
- MC74HC4351F , ,
- MC74HC4351FEL , ,
- MC74HC4351FL1 , ,
- MC74HC4351H , ,
- MC74HC4351N , ,

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PRODUCT DISCONTINUANCE

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ISSUE DATE: 04-Feb-1999

NOTIFICATION #:4413

ISSUING DIVISION:PHX-GPPD

MC74HC4514DW , ,  
MC74HC4514DWR2 , ,  
MC74HC4514N , ,  
MC74HC533ADW , ,  
MC74HC533ADWR2 , ,  
MC74HC533AF , ,  
MC74HC533AFL1 , ,  
MC74HC533AFR2 , ,  
MC74HC533AH , ,  
MC74HC533AN , ,  
MC74HC534ADW , ,  
MC74HC534ADWR2 , ,  
MC74HC534AF , ,  
MC74HC534AFEL , ,  
MC74HC534AFL1 , ,  
MC74HC534AFL2 , ,  
MC74HC534AH , ,  
MC74HC534AN , ,  
MC74HC563ADW , ,  
MC74HC563ADWR2 , ,  
MC74HC563AF , ,  
MC74HC563AFEL , ,  
MC74HC563AFL1 , ,  
MC74HC563AFL2 , ,  
MC74HC563AH , ,  
MC74HC563AN , ,  
MC74HC564ADW , ,  
MC74HC564ADWR2 , ,  
MC74HC564AF , ,  
MC74HC564AFEL , ,  
MC74HC564AFL1 , ,  
MC74HC564AFL2 , ,  
MC74HC564AH , ,  
MC74HC564AN , ,  
MC74HC597AD , ,  
MC74HC597ADR2 , ,  
MC74HC597ADT , ,  
MC74HC597AF , ,  
MC74HC597AFEL , ,  
MC74HC597AFR2 , ,  
MC74HC597AN , ,  
MC74HC640ADW , ,  
MC74HC640ADWR2 , ,  
MC74HC640AF , ,  
MC74HC640AFEL , ,  
MC74HC640AFL1 , ,  
MC74HC640AH , ,  
MC74HC640AN , ,  
MC74HC688DT , ,  
MC74HC688DTR2 , ,  
MC74HC688DW , ,  
MC74HC688DWR2 , ,



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PRODUCT DISCONTINUANCE

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ISSUE DATE: 04-Feb-1999

NOTIFICATION #:4413

ISSUING DIVISION:PHX-GPPD

MC74HC688F	,	,
MC74HC688FEL	,	,
MC74HC688FL1	,	,
MC74HC688FR1	,	,
MC74HC688FR2	,	,
MC74HC688H	,	,
MC74HC688N	,	,
MC74HC7266AD	,	,
MC74HC7266ADR2	,	,
MC74HC7266AF	,	,
MC74HC7266AFEL	,	,
MC74HC7266AFL1	,	,
MC74HC7266AFR1	,	,
MC74HC7266AN	,	,
MC74HC73D	,	,
MC74HC73DR2	,	,
MC74HC73F	,	,
MC74HC73FEL	,	,
MC74HC73N	,	,
MC74HC75D	,	,
MC74HC75DR2	,	,
MC74HC75F	,	,
MC74HC75FEL	,	,
MC74HC75FL1	,	,
MC74HC75FL2	,	,
MC74HC75N	,	,
MC74HC85DT	,	,
MC74HC85DTR2	,	,
MC74HC85F	,	,
MC74HC85FEL	,	,
MC74HC85FL1	,	,
MC74HC85FL2	,	,
MC74HC85FR1	,	,
MC74HC85FR2	,	,
MC74HC85N	,	,
MC74HCT00AD	,	,
MC74HCT00ADR2	,	,
MC74HCT00ADT	,	,
MC74HCT00ADTR2	,	,
MC74HCT00AF	,	,
MC74HCT00AFL1	,	,
MC74HCT00AN	,	,
MC74HCT08AD	,	,
MC74HCT08ADR2	,	,
MC74HCT08ADT	,	,
MC74HCT08ADTR2	,	,
MC74HCT08AN	,	,
MC74HCT157AD	,	,
MC74HCT157ADR2	,	,
MC74HCT157AN	,	,
MC74HCT163ADR2	,	,
MC74HCT163AN	,	,

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PRODUCT DISCONTINUANCE

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ISSUE DATE: 04-Feb-1999

NOTIFICATION #:4413

ISSUING DIVISION:PHX-GPPD

- MC74HCT174AD , ,
- MC74HCT174ADR2 , ,
- MC74HCT174AN , ,
- MC74HCT240ADT , ,
- MC74HCT240ADTR2 , ,
- MC74HCT240ADW , ,
- MC74HCT240ADWR2 , ,
- MC74HCT240AF , ,
- MC74HCT240AFEL , ,
- MC74HCT240AFL1 , ,
- MC74HCT240AFR1 , ,
- MC74HCT240AH , ,
- MC74HCT240AN , ,
- MC74HCT241ADW , ,
- MC74HCT241ADWR2 , ,
- MC74HCT241AF , ,
- MC74HCT241AFEL , ,
- MC74HCT241AFL1 , ,
- MC74HCT241AH , ,
- MC74HCT241AN , ,
- MC74HCT32AD , ,
- MC74HCT32ADR2 , ,
- MC74HCT32ADT , ,
- MC74HCT32ADTEL , ,
- MC74HCT32ADTR2 , ,
- MC74HCT32AN , ,
- MCW74HC173 , ,
- MCW74HC259 , ,
- MCW74HC30 , ,
- MCW74HC4002 , ,
- MCW74HC4024 , ,
- MCW74HC4049 , ,
- MCW74HC4050 , ,
- MCW74HC4514 , ,
- MCW74HC597 , ,
- MCW74HC597A , ,
- MCW74HC73 , ,
- MCW74HC75 , ,
- MCW74HC85 , ,
- SC001HC4078FEL , ,
- SC022HC107N , ,
- SC022HC10N , ,
- SC022HC11N , ,
- SC022HC137N , ,
- SC022HC151N , ,
- SC022HC153N , ,
- SC022HC173N , ,
- SC022HC20N , ,
- SC022HC251N , ,
- SC022HC257N , ,
- SC022HC259N , ,
- SC022HC27N , ,
- SC022HC280N , ,

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PRODUCT DISCONTINUANCE

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ISSUE DATE: 04-Feb-1999

NOTIFICATION #:4413

ISSUING DIVISION:PHX-GPPD

SC022HC85N	,	,
SC68145D11R2	,	,
SC68254PK73	,	,
SC68254PK73	,	,
SC022HC30N	,	,
SC022HC4017N	,	,
SC022HC4024N	,	,
SC022HC4075N	,	,
SC022HC4078N	,	,
SC022HC42N	,	,
SC022HC688H	,	,
SC022HC73N	,	,
SC022HC75N	,	,