

## Product Change Notice (PCN)

**Subject:** Electrical Specification Change to Standard Microcircuit Drawing 5962-99560 for Intersil Products HSx-4424RH and HSx-4424BRH

**Publication Date:** 6/9/2015

**Effective Date:** 9/9/2015

**Revision Description:**

Initial Release

**Description of Change:**

This notice is to inform you of changes to the electrical specifications in DLA (Defense Logistics Agency) SMD (Standard Microcircuit Drawing) 5962-99560 for the listed HSx-4424RH and HSx-4424BRH products. The input current (IIL/IIH) limits have been changed to +/-5µA at 25°C and +/-10µA over the temperature extremes.

**Reason for Change:**

The change aligns the SMD with the product characteristics and is necessary to maintain product manufacturability in support of customer delivery requirements. Details regarding the change are contained on the following page. The updated SMD is available on the DLA web site at: <http://www.landandmaritime.dla.mil/Programs/Smcr/>

**Product Identification:**

There have been no changes to the die/silicon or product itself. There will be no change in the external marking of the packaged parts.

**Qualification status:** Complete, see attached

**Sample availability:** 6/9/2015

**Device material declaration:** Available upon request

*Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Intersil within 30 days of the publication date.*

For additional information regarding this notice, please contact your regional change coordinator (below)			
Americas: <a href="mailto:PCN-US@INTERSIL.COM">PCN-US@INTERSIL.COM</a>	Europe: <a href="mailto:PCN-EU@INTERSIL.COM">PCN-EU@INTERSIL.COM</a>	Japan: <a href="mailto:PCN-JP@INTERSIL.COM">PCN-JP@INTERSIL.COM</a>	Asia Pac: <a href="mailto:PCN-APAC@INTERSIL.COM">PCN-APAC@INTERSIL.COM</a>

Appendix A – Affected Products List (see attached)

Appendix B – SMD changes (see attached)

Appendix A – Affected Products List

Standard microcircuit drawing	Intersil Part Number	Standard microcircuit drawing	Intersil Part Number
5962F9956001VXC	HS9-4424RH-Q	5962F9956002VXC	HS9-4424BRH-Q
5962F9956001QXC	HS9-4424RH-8	5962F9956002QXC	HS9-4424BRH-8
5952R9956001TXC	HS9-4424RH-T	5962R9956002TXC	HS9-4424BRH-T
5962F9956001V9A	HS0-4424RH-Q	5962F9956002V9A	HS0-4424BRH-Q
	HS0-4424RH/SAMPLE	5962F9956002VXC	HS9-4424BRH-QS2776
	HS9-4424RH/PROTO		HS0-4424BRH/SAMPLE
			HS9-4424BRH/PROTO

Appendix B – SMD changes

From:

TABLE I. Electrical performance characteristics.

Test	Symbol	Conditions 1/ -55°C ≤ Tc ≤ +125°C unless otherwise specified	Group A subgroups	Device type	Limits		Unit
					Min	Max	
Input current, low	I <sub>IL</sub>	V <sub>S</sub> = 18 V	1	01,02		±5	μA
			2,3			±10	
			M,D,P,L,R,F 2/			±10	
		V <sub>S</sub> = 18 V	1	03,04		±5	
			2,3			±10	
			M,D,P,L,R,F 2/			±10	
Input current, high	I <sub>IH</sub>	V <sub>S</sub> = 18 V	1	01,02		±5	μA
			2,3			±10	
			M,D,P,L,R,F 2/			±10	
		V <sub>S</sub> = 18 V	1	03,04		±5	
			2,3			±10	
			M,D,P,L,R,F 2/			±10	

To:

TABLE I. Electrical performance characteristics.

Test	Symbol	Conditions 1/ -55°C ≤ Tc ≤ +125°C unless otherwise specified	Group A subgroups	Device type	Limits		Unit	
					Min	Max		
Input current, low	I <sub>IL</sub>	V <sub>S</sub> = 18 V	1	01,02		±5	μA	
			2,3		03,04			±10
			M,D,P,L,R,F 2/					±10
Input current, high	I <sub>IH</sub>	V <sub>S</sub> = 18 V	1	01,02		±5	μA	
			2,3		03,04			±10
			M,D,P,L,R,F 2/					±10