

**Microsemi Corporation**  
May 18, 2018

**Customer Notification No: 098-40620-97**

**Rev.1**

**(Field Service Bulletin)**

**Customer Advisory Notice (CAN)**

**System: N/A**

**Product Identity: List provided below**

**Product Code(s): List provided below**

**CLEI Code: N/A**

**Subject: GPS week number Rollover event April 7, 2019**

### **Summary**

This FSB is to provide information on the GPS week number rollover event that will occur on April 7<sup>th</sup>, 2019 for current products listed below. This is with reference to the current software release for each of the products.

For the products listed in Table 1, these active products have been verified that there is no effect to system date from the April 7<sup>th</sup>, 2019 GPS week number rollover event. These products have an internal rollover event which will occur in the year shown in the table. After the internal rollover event occurs the system date will be incorrect.

#### **Microsemi Corporation**

One Enterprise, Aliso Viejo, CA 92656 USA  
Within the USA: +1 (800) 713-4113 Outside the USA: +1 (949) 380-6100 Fax: +1 (949) 215-4996  
Email: [sales.support@microsemi.com](mailto:sales.support@microsemi.com). [www.microsemi.com](http://www.microsemi.com)

**Table 1 Active Products**

Product Line	Descriptions	Affected Part Numbers	Internal Rollover Date	Notes
Timesource	TimeSource 3x50	090-72015-01 090-72055-01	2029	
TimeProvider 1000	TimeProvider 1000/TP1100	090-58545-01	9/18/2022	
SSU 2000	SSU2000 GPS card	23413019-000-0	2027	
	SSU2000 GNSS card	23413019-001-0	2026	
TimeProvider 5000	TP5000 IMC Card w/GPS & GPS/Beidou & exp cntl	090-50331-04	9/18/2022	GPS input
			2030	Beidou input
	TP5000 IMC CARD W/GPS & GNSS & EXP CNTL	090-50331-06	9/18/2022	GPS input
			2033	GNSS input
	TP5000 IMC CARD W/GNSS & EXP CNTL	090-50331-07	2033	
TimeProvider 2700	TimeProvider 2700	090-50201-xxx	2029	
IGM	IGM 1100i	090-110xx-xxx	2031	
	IGM1100x			
	IGM1100o			
SyncServer 6xx	SyncServer 6xx	090-15200-6xx	2031	
Bus	BC637PCI T&F Processor	BC637PCI-V2	2029	
		BC637PCIE		
		BC637PCIE-OCXO		

For the products listed in Table 2, These discontinued products are not affected by the April 7<sup>th</sup>, 2019 GPS rollover event. They have an internal rollover event which will occur in the year shown in table 2. After the internal rollover event occurs the system date will be incorrect.

**Microsemi Corporation**

One Enterprise, Aliso Viejo, CA 92656 USA  
 Within the USA: +1 (800) 713-4113 Outside the USA: +1 (949) 380-6100 Fax: +1 (949) 215-4996  
 Email: [sales.support@microsemi.com](mailto:sales.support@microsemi.com) [www.microsemi.com](http://www.microsemi.com)

**Table 2 Discontinued Products**

Product Line	Descriptions	Affected Part Numbers	Internal Rollover Date	Notes
Timesource	TS3x00	090-72010-0x 090-72020-0x 090-72050-0x 090-72060-0x	10/21/2018	reference FSB 098-40621-95 for recommended action
TimeProvider 5000	TP 5000 IMC Card w/ Integrated GPS	090-50331-01	9/18/2022	
	TP5000 IMC Card w/integrated GPS & exp cntl	090-50331-02	9/18/2022	
	TP5000 IMC Card w/dual GPS & exp cntl	090-50331-05	9/18/2022 2030	GPS input GNSS input
TP100	TP100 MODULE	090-95000-01	9/18/2022	
SyncServer	SyncServer 100	1520R-S100 (-xx)	9/18/2022	
	SyncServer 200/250	1520-S200 (-xx) 1520R-S200 (-xx) 1520-S250 (-xx) 1520R-S250 (-xx)	9/18/2022	
	SyncServer 300/350	1520-S300 (-xx) 1520R-S300 (-xx) 1520-S350 (-xx) 1520R-S350 (-xx)	9/18/2022	
GPS receivers	XL GPS	1530-602-1	2026	
	XLi w/gps receiver	1510-6x2-xxx	9/18/2022 4/7/2019	with GPS option module 87-8028-2 (Use Function 119 to verify receiver card) with GPS option module 86-8013 (Use Function 119 to verify receiver card)

For the products listed in Table 3, These are Obsolete and unsupported products not affected by the April 7<sup>th</sup>, 2019 GPS rollover event. Internal rollover is unknown for some. Please refer to note column.

**Table 3 Obsolete Products**

Product Line	Descriptions	Part Numbers	Internal Rollover Date	Notes
Bus Cards	Time & Freq proc	bc11603-3001	unk	If brought to last released EEPROM version per FSB 098-50620-77
		TTM637V/ME-xxxx	unk	If brought to last released EEPROM version per FSB 098-50620-76
		BC637PCI-U	unk	If updated to version 14 per FSB 098-50620-036
GPS receivers	XL AK	XL-AK_151-60x	unk	Need to set Function 68 w/correct(2011) year info
	XL-DC	XI-DC_151-6x2	unk	Need to set Function 68 w/correct(2011) year info
	ET60x0	ET60x0	unk	
	56000 Data Rate Clock	56K_560-5308-x	unk	
	TS2100-xxxx	TS2100	2015	Rolled in 2015 reference - FSB 098-50620-81
OEM Module	GPS Timing Antenna	58534A	9/16/2018	product shipped through 2004
		58534-H01	9/18/2022	product shipped from 2005

**Microsemi Corporation**

One Enterprise, Aliso Viejo, CA 92656 USA  
 Within the USA: +1 (800) 713-4113 Outside the USA: +1 (949) 380-6100 Fax: +1 (949) 215-4996  
 Email: [sales.support@microsemi.com](mailto:sales.support@microsemi.com) [www.microsemi.com](http://www.microsemi.com)

## Contact Information:

Any questions regarding this notice, please contact Technical Support.

### North and South America

Microsemi, Inc.

3870 North First Street

San Jose, CA 95134-1702

Toll-free in North America: 1-888-367-7966, Option 1

Telephone: 408-428-7907

Email: [FTD.Support@microsemi.com](mailto:FTD.Support@microsemi.com)

Internet: [www.microsemi.com](http://www.microsemi.com)

### Europe, Middle East, and Africa (EMEA)

Microsemi Global Services EMEA

Altlaufstrasse 42

85635 Hoehenkirchen-Siegersbrunn Germany

Telephone: +49 700 3288 6435

Fax: +49 8102 8961 533

Email: [FTD.EMEASupport@microsemi.com](mailto:FTD.EMEASupport@microsemi.com)

[FTDemeasales@microsemi.com](mailto:FTDemeasales@microsemi.com)

### South Asia

Suite A201, 2nd Floor, West Wing,

Wisma Consplant 2, No. 7,

Jalan SS16/1, 47500 Subang Jaya

Selangor, Malaysia

Toll-free in North America: 1-888-367-7966, Option 1

Telephone: 408-428-7907

Email: [FTD.Support@microsemi.com](mailto:FTD.Support@microsemi.com)

## Microsemi Corporation

Customer Notice (CN) or Customer Advisory Notice (CAN) are confidential and proprietary information of Microsemi and is intended only for distribution by Microsemi to its customers, for customers' use only. It must not be copied or provided to any third party without Microsemi's prior written consent.



Microsemi Corporate Headquarters  
One Enterprise, Aliso Viejo, CA 92656 USA

Within the USA: +1 (800) 713-4113

Outside the USA: +1 (949) 380-6100

Fax: +1 (949) 215-4996

E-mail: [sales.support@microsemi.com](mailto:sales.support@microsemi.com)

[www.microsemi.com](http://www.microsemi.com)

©2016 Microsemi Corporation. All rights reserved.  
Microsemi and the Microsemi logo are registered trademarks of Microsemi Corporation. All other trademarks and service marks are the property of their respective owners.

Microsemi makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does Microsemi assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by Microsemi have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by Microsemi. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by Microsemi hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. Microsemi does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to Microsemi, and Microsemi reserves the right to make any changes to the information in this document or to any products and services at any time without notice.

#### About Microsemi

Microsemi Corporation (Nasdaq: MSCC) offers a comprehensive portfolio of semiconductor and system solutions for aerospace & defense, communications, data center and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; enterprise storage and communication solutions; security technologies and scalable anti-tamper products; Ethernet solutions; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, California, and has approximately 4,800 employees globally. Learn more at [www.microsemi.com](http://www.microsemi.com).  
MSC-F-0004 Rev 5

Do Not Distribute Outside Microsemi Without Written Permission