



a  MICROCHIP company

Microsemi Frequency & Time Corporation



3870 North First Street
San Jose, CA 95134
USA
(800) 713-4113
www.microsemi.com

REACH Declaration of Conformance

Reference Article 33 of the European REACH Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 Dec 2006

The Microsemi Frequency and Time Corporation hereby certifies that its products, as listed below, are in compliance with REACH Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006, concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Substances of Very High Concern (SVHC).

Note: 201 SVHC listed substances as of 16 July 2019 per the European Chemicals Agency (ECHA).

Microsemi Frequency and Time Corporation products imported to the European Union are regulated by the REACH Regulation (EC) No. 1907/2006 as “articles”.

The listed Microsemi Frequency and Time Corporation products do not contain any REACH Substances of Very High Concern (SVHC), contained in the REACH SVHC candidate list or as defined in REACH (Article 33) Directive, above the 0.1% weight of substance over product weight threshold except as noted

Please refer to that attached list of products that are covered by this REACH Certification.

Determination of REACH compliance was achieved through supply based queries and component certifications most likely to contain SVCH substances. This analysis and declaration depends on information supplied to Microsemi from its third party supply base and manufacturing partners, and analysis of those materials manufactured in our own facilities. Analysis at this level is deemed sufficient for the products that Microsemi manufactures. A detailed chemical analysis of sub-assemblies and components used in our products to verify that they do not contain any of these substances has not been performed.

The Microsemi Frequency and Time Corporation fully supports our obligations of ‘communication’ of information regarding SVHC under Article 33 of the REACH directives.

Registration as a Chemical Provider under REACH

The Microsemi Frequency and Time Corporation does not produce chemicals under the definition of REACH and therefore is not required to register as a producer of chemicals.

Robert Mengelberg
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03 August 2019

Date



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**Attachment 1 to the Microsemi REACH Declaration of Conformance
Dated 03 August 2019**

The following is a list of Microsemi Frequency and Time Division Products that are CE Marked and EU REACH Compliant. Please contact me if you do not see your model listed.

Model	Name	RoHS Exemptions
140-017-2	GPS Lightning Arrester Kit	6c, 7a
142-6150-XXX	Down-Up Converter	6c,
150-200	GPS - L1 Inline Antenna Amplifier	None
150-709	GPS - Lightning Arrestor	None
150-710	GPS - Lightning Arrestor	None
3120A	Phase Noise Test Probe	None
4380A	SyncSystem	6a, 6c, 7c-I
9611B-02	Switch and Distribution System	6a, 6c, 7c-I
990-13091-0XX	GPS L1 Reference Antenna	6c
990-13150-XXX	GPS L1 Reference Antenna	6c
ATS 6511C-FN	Timing Distribution System	6a, 6c, 7c-I, 7a
ATS 6580A-A0FG0R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
ATS 6580A-A0FG1R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
ATS 6580A-A0G0R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
ATS 6580A-A0G1R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
ATS 6580A-A1FG0R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
ATS 6580A-A1FG1R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
ATS 6580A-A1G0R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
ATS 6580A-A1G1R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
ATS 6580A-A2FG0R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
ATS 6580A-A2FG1R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
ATS 6580A-A2G0R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
ATS 6580A-A2G1R	T Flex Time and Frequency Standard	6a, 6c, 7c-I
bc635PCIe (IRIG)	PCI Express Time & Frequency Processor	None
bc635PCI-V2	PCI Time & Frequency Processor	None
IGM-1100i	Integrated GNSS Master	7a, 7c-I
S80	Ruggedized and Secure Network Time Server	7(a); 7(c)-I
S600, S650	SyncServer	6(a)-i, 6(c), 7(a), 7(c)-I, 15(a)
SA.3Xm	Min Rub Atomic Clocks (MAC)	7(a), 7c-I
TimeProvider 2300	Edge Boundary Clock	6c, 7a, 7c-I
TimeProvider 2700	Edge Master Clock	6c, 7a, 7c-I
TimeProvider 5000	IEEE 1588-2008 PTP Grandmaster Clock	6c, 7a, 7c-I
TimeProvider® 4100	Precise Timing Gateway Clock	15(a)
TimeSource 3050	Primary Reference Source	7a, 7c-I
TimeSource 3550	Primary Reference Source	7a, 7c-I
TPE10	PTP/SYNCE Expansion Shelf	7a, 7c-I, 7c-II
TPE30	1PPS+TOD/E1 Expansion Shelf	7a, 7c-I, 7c-II

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<p align="center">Attachment 2 to the Microsemi REACH Declaration of Conformance Dated 03 August 2019</p>
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The following is a list of the RoHS exemptions for products used in the Microsemi Frequency and Time Division Products that are CE Marked and EU REACH Compliant.

Exemption 6(a)

Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35 percent lead by weight

Exemption 6(a)-i

Lead as an alloying element in steel for machining purposes containing up to 0.35 % lead by weight and in batch hot dip galvanized steel components containing up to 0.2 % lead by weight.

Exemption 6(c)

Copper alloy containing up to 4% lead by weight.

Exemption 7(a)

Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead.

Exemption 7(c)-I

Lead in PZT based dielectric ceramic materials for capacitors which are part of integrated circuits or discrete semiconductors.

Exemption 7c-II

Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher.

Exemption 15

Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages

Exemption 15(a)

Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages.

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