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APOGEE SEMICONDUCTOR

Released: October 6, 2026

Apogee Semiconductor RoHS Declaration

The purpose of this document is to address Apogee Semiconductor products' compliance to Directive 2011/65/EU [1] and amendment 2015/863 [2] for Restriction of the Use of Hazardous Substances (RoHS).

To the best of Apogee Semiconductor's knowledge, all products are RoHS Compliant with the exception of tin-lead (SnPb) plated parts are RoHS Compliant and do not contain restricted substances above the maximum threshold values shown in Table 1.

Section 1 indicates how to identify SnPb plated parts. These components are not compliant due to lead content above the allowable 0.1% threshold indicated in Table 1.

Apogee Semiconductor components are designed for space applications and may be excluded from RoHS according to Article 2 section 4 (b) and (c) for "equipment designed to be sent into space" [1]. It is the sole responsibility of the customer/purchaser to determine whether or not these exclusions apply when purchasing products from Apogee Semiconductor.

Substance Name	**Substance Abbreviation**	**RoHS Directive Threshold level (by total mass)**
Lead	Pb	0.1%
Mercury	Hg	0.1%
Cadmium	Cd	0.01%
Hexavalent chromium	Cr^6	0.1%
Polybrominated biphenyls	PBB	0.1%
Polybrominated diphenyl ethers	PBDE	0.1%
Bis(2-ethylhexyl) phthalate	DEHP	0.1%
Butyl benzyl phthalate	BBP	0.1%
Dibutyl phthalate	DBP	0.1%
Diisobutyl phthalate	DIBP	0.1%

Table 1: RoHS materials

Authorized Representative:

Printed Name: David Briggs (CEO)

Signature: Signed by: David Briggs Date: 10/12/2026

Company name: Apogee Semiconductor

Company Address: 840 Central Pkwy E, Plano, TX 75074. United States

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1 Identifying Tin-Lead (SnPb) plated components

SnPb plated parts have lead content above the RoHS allowable threshold indicated in 1. These components can be identified by an"L" in the order-able part number indicating a Tin-Lead (SnPb) lead finish as shown in Figure 1.

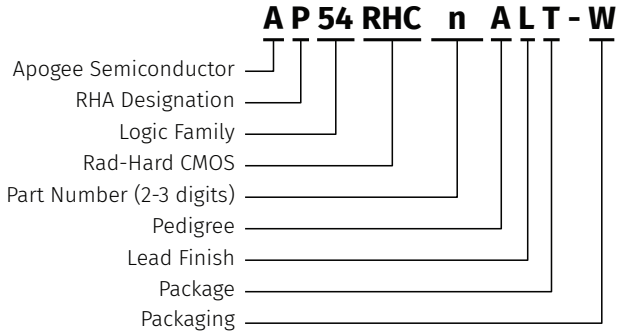


Figure 1: Part Number Decoder

1. RHA Designation
   - **P** 30 krad (Si)
   - **F** 300 krad (Si)
2. Part Number
   - **n** 2-3 digit part number
3. Pedigree
   - **A** -55 to +125 °C (Burn-in)
   - **B** -55 to +125 °C (No burn-in)
   - **C** 25 °C (No burn-in)
   - **E** 25 °C Functional Test Only (Evaluation)
4. Lead Finish
   - **L** Tin-Lead (SnPb)
   - **N** Nickel-Palladium-Gold (NiPdAu)
5. Package
   - **T** Thin Shrink Small Outline Package (TSSOP)
6. Packaging
   - **W** Waffle Pack or Pillow Stat Box
   - **R** Tape and Reel

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2 Revision History

REVISION	DESCRIPTION	DATE
A00	Initial release.	March 5, 2025
A01	Updated logo.	October 6, 2026

3 Legal

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References

[1] European Parliament and Council, *Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment*, available at: https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32011L0065 (Accessed: 2025-02-27).

[2] European Parliament and Council, *Directive 2015/863/EU of the European Parliament and of the Council of 23 May 2015 amending Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment*, available at: https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32015L0863 (Accessed: 2025-02-27).

[3] European Parliament and Council, *Directive (EU) 2017/2102 of the European Parliament and of the Council of 24 October 2017 on the accessibility requirements for public sector bodies' websites and mobile applications*, available at: https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1512061986553&uri=CELEX:32017L2102 (Accessed: 2025-02-27).