The Team

The founders of SPACE IC are in the semiconductor business for many years. Our roots and our current focus are in the development and manufacturing of analog integrated circuits with challenging requirements regarding quality, robustness and reliability.

At SPACE IC we combine our different specializations and long-term experience to make our IC product developments available to the space market.

Also, the next generation of radiation-hard IC products for space is already planned. Feel free to contact us to discuss the ideas and your demand.

Executive management from left to right:

A. Rocke	–	*Quality & Operations*
V. Burkhay	–	*Marketing & Sales*
M. Reuter	–	*Product Management*
U. Gieselmann	–	*Finance & IC Development*

About SPACE IC

SPACE IC is a privately held company which was founded begin of 2014 as a spin-off from Telefunken Semiconductors. The company is a fabless semiconductor supplier with proven expertise in developing radiation-hard analog IC products. For manufacturing SPACE IC works closely with experienced subcontractors and manages the complete qualification and production processes in compliance with the demanding quality requirements of space programs.

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SPACE IC

HIGH-RELIABILITY INTEGRATED CIRCUITS MADE IN GERMANY

Radiation-hard analog IC products for space applications

SPACE IC develops, manufactures and sells ITAR-free high reliability IC products in fully isolated SOI technologies which are latch-up immune and known to mitigate Single Event Effects (SEE). The product portfolio includes ICs for power management and interface applications.

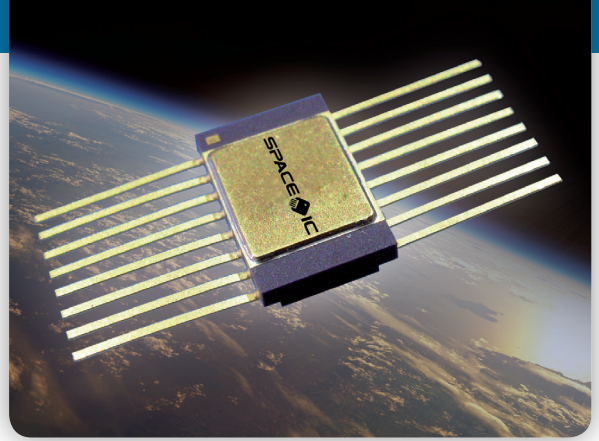
SPACE IC products are subject to comprehensive testing and qualifications according to ESCC requirements to meet the quality expectations of space customers.

Customers buying SPACE IC products can expect:

- State-of-the-art technical performance
- Continuous reliability under harsh conditions
- Tolerance against radiation effects
- On-time delivery at short lead times
- Premium applications and design-in support
- Long-term product availability

Special tests to fulfill mission requirements

Longtime experience in optimization of product performance, robustness and reliability



SPACE IC products are offered in well-established hermetic ceramic packages suitable for space applications.

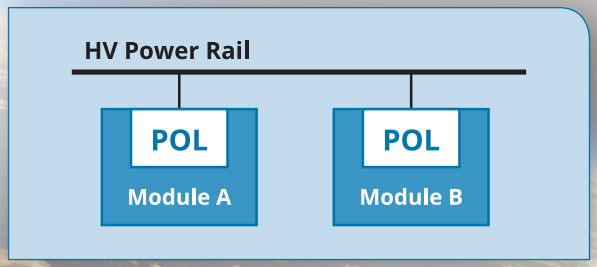
Point-of-Load Converter

SPPL12420RH

The SPPL12420RH is a radiation hardened monolithic synchronous buck regulator featuring integrated 130 mΩ MOSFETs that provide continuous 2 A output load current.

It operates over a wide 4.5 V to 24 V input voltage range and provides output voltage from 0.923 V to 21 V at up to 93% efficiency.

The SPPL12420RH enables efficient and space-saving solutions in point-of-load (POL) architectures.



Extended Common Mode LVDS

SPLVDS031RH & SPLVDS032RH

The SPLVDS031RH and SPLVDS032RH are a pair of radiation hardened 400 Mbps quad LVDS line transmitters and receivers optimized for high-speed, low power, low noise transmission over controlled impedance (100 Ω) transmission media (e.g. cables, printed circuit board traces, backplanes).

The supported wide common mode voltage range of -7 V to +12 V makes them the perfect choice for robust box-to-box communication in noisy environments.