Functional Safety Engineer

Apply Now

Company: Monolithic Power Systems

Location: Netherlands

Category: computer-and-mathematical

POSITION OVERVIEW

Monolithic Power Systems (MPS) is a global power management semiconductor company (NASDAQ:MPWR). Our automotive and industrial business is growing rapidly, and we are now looking for a Functional Safety Engineer to join our dynamic team. As a Functional Safety Engineer reporting directly to the Functional Safety Manager, you will support the Functional Safety Manager to define and implement the safety architectures for our next generation power portfolio, aimed at automotive applications as ADAS, Battery Management, Powertrain and more. As accumulation of experience, you will be instrumental in building our functional safety development framework and have the opportunity to collaborate with colleagues and customers across our global locations (US, Europe, Asia).

JOB FUNCTIONS

Architecting hardware solutions to enable company product compliance to applicable safety standards such as ISO26262 and IEC61508

Working with engineering teams (technical marketing, design, quality and more) to support the Functional Safety Manager to derive functional safety requirements in compliance with state-of-the-art automotive standards

Overseeing and owning implementation of ISO26262 documentation in JAMA

Performing the safety analysis, such as DFA, FMEDA, and FTA

Supporting the safety assessments with 3rd party assessors

Partnering with technical marketing engineers to develop mutually agreeable design specifications

Participating in ISO 26262 standards conference

Occasional domestic and international travel (5-10% of the time)

EXPERIENCE REQUIREMENTS

2+ years work experience in safety relevant IC product development

Strong understanding of analog/mixed-signal IC's

Excellent verbal and written communication skills

Ability to work in teams and collaborate effectively with people in different functions and across regions

Strong time management skills that enable on-time project delivery

Ability to work effectively in a fast-paced and rapidly changing environment

Ability to take the initiative and drive for results

Strong understanding of the functional safety relevant IC product development process a plus

Automotive or industrial experience a plus

Experience with ISO26262 or IEC61508 a plus

Experience with MCU or sensor development a plus

EDUCATION REQUIREMENTS

BS or MS in electrical engineering, system engineering, or automotive engineering

LOCATION

Barcelona

Munich

Netherlands

Monolithic Power Systems, Inc. (MPS) strives to build and maintain a culture of diversity, equity, and inclusion. We recognize that diverse voices and ideas make our company and our products stronger, and we believe that our employees benefit when they are immersed in an inclusive culture of teamwork, fairness, and tolerance. We are mindful that creating an inclusive workplace that supports all employees is critical to our success.

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Cross References and Citations:

1. Functional Safety Engineer ScrumjobsJobs Netherlands ⇗ Scrumjobs⤴

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