

Protec GmbH

High-Rel Electronic Components

since 1976



France, Spain, Portugal Linecard



Protec GmbH is specialized in the distribution of high quality products for the electronics industry, particularly for the Space, Avionic, High Voltage, High Temperature and Niche Industrial Markets.

We are supporting customers and manufacturers with our expertise in:

- EUS requirements and licensing processes
- CoC requirements
- Design in support
- Export classifications and rules
- Product trainings

Support and understanding of terms like SLDC, LOT acceptance, PIND, TID, ELDRS, SEE, SEU, SEL, Proton testing and many more industry specific terms.

Protec GmbH –Contacts for France, Spain & Portugal



Protec GmbH
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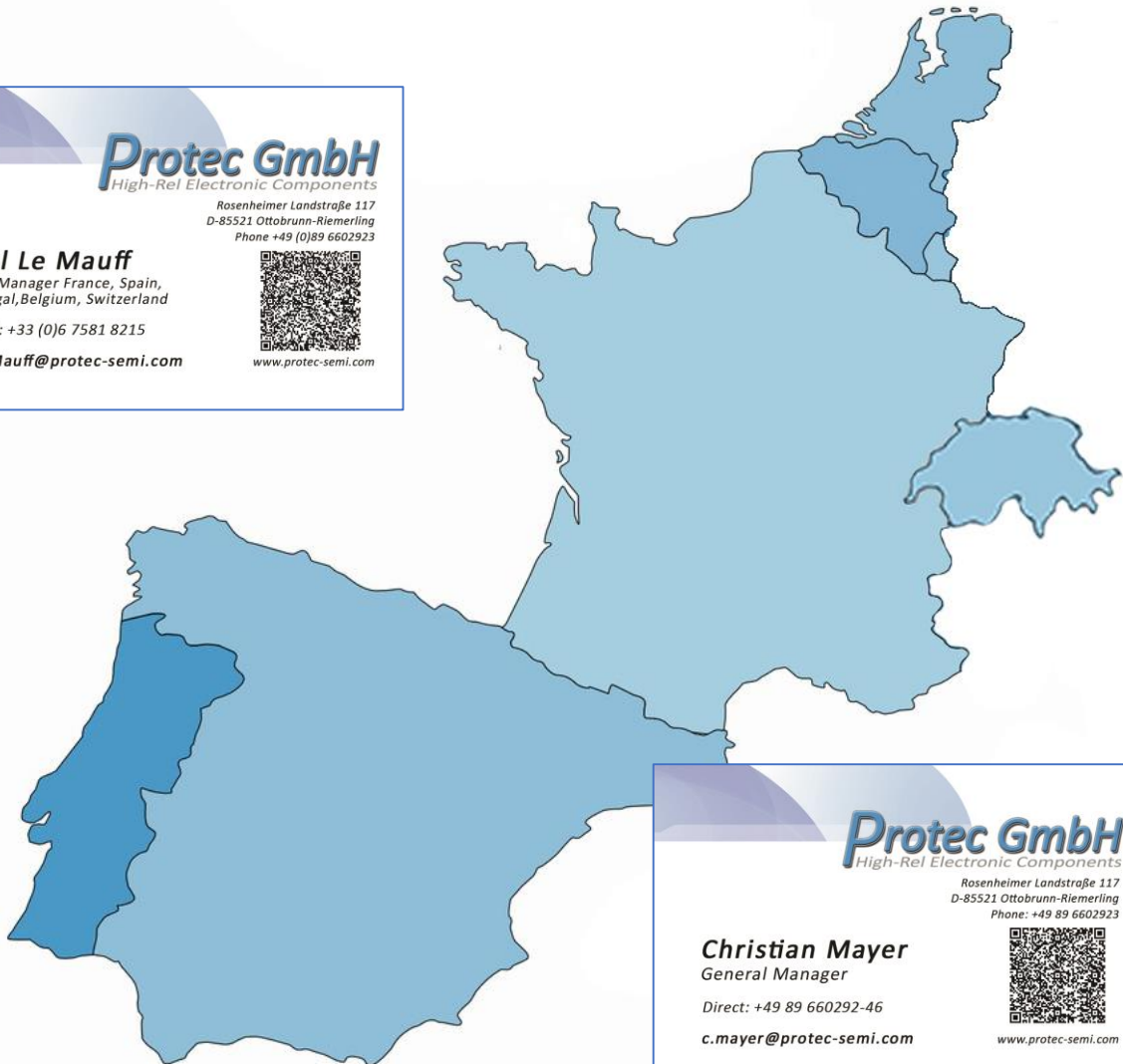
Rosenheimer Landstraße 117
D-85521 Ottobrunn-Riemerling
Phone +49 (0)89 6602923

Joël Le Mauff
Sales Manager France, Spain,
Portugal, Belgium, Switzerland

Direct: +33 (0)6 7581 8215
j.LeMauff@protec-semi.com



www.protec-semi.com



Protec GmbH
High-Rel Electronic Components

Rosenheimer Landstraße 117
D-85521 Ottobrunn-Riemerling
Phone: +49 89 6602923

Christian Mayer
General Manager

Direct: +49 89 660292-46
c.mayer@protec-semi.com



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Products by Manufacturer

SEMICOA

A DIVISION OF OSI OPTOELECTRONICS



Transistors RadHard & qualified to MIL-PRF-19500
Diodes Qualified to MIL-PRF-19500 UMC Package

Low Power Rad Hard FPGAs

(for GEO, LEO, MEO and Constellations)



	kLUTs	RAM Mb	DSPs	HSSL	
NG-medium	34	3	122		
NG-large	137	10	384	24x 6Gbps	ARM Cortex R5
NG-ultra	537	32	1344	32x 12Gbps	4x ARM Cortex R52

Coming soon Military and Avionic versions

VPT COMPONENTS



High-reliability Diodes, Transistors qualified to MIL-PRF-19500 slash sheets and offered in JAN, JANTX, JANTXV, and JANS quality levels.

RadHard MosFETs to be qualified soon.



Honeywell

MRAMs	1M / 4M / 16M	
SRAMs	265k - 64M	
ADC	12-bit	25 MSps
Comperator	Rail to Rail	

POGEE SEMICONDUCTOR



RadHard Logic
AND, NAND, OR, NOR, XOR, Inverter, Voter, Flip-Flop, Level Translator, Transceiver

Available in RH plastic



ASICs & FPGA to ASIC



ARQUIMEA

Analog, Digital and Mixed Signal

Space, Military, Avionic & Industrial / Commercial



FLUX



ESCC Qualified Magnetics
Transformer, Coils, Chokes.....



Diodes for medical, avionic, Mil applications in all state of the art packages. TVS diodes, Schottky's, Rectifiers, Chips and more. SMC has its own Wafer Fab and offers additional screening or tests.

AEM

HighRel Fuses	50 - 125 V	125mA - 20A
HighRel Chip Beads	30 - 1000 Ω	200mA - 4A
TWM	RoHs to Tin Lead Conversion not another solder dipping process	

TELEDYNE E2V HIREL ELECTRONICS

Everywhere you look

ADCs and DACs	up to 12 GSps
Digital	Processors, Memory, SiP
RF components	DAS, Multiplier, Gain Blocks, Limiters, Mixers, PLL
Dosimeters	

Bare Die Components for Hybrids Mil and Space



Other Contacts within Protec GmbH

Protec GmbH
Vertrieb elektronischer Bauteile
Rosenheimer Landstraße 117
D-85521 Ottobrunn-Riemerling
Phone: +49 89 6602923
Fax: +49 89 6098170

Phil Abbott
Sales Manager Avionic & Space UK / Nordic

Direct: +49 89 660292-45
p.abbott@protec-semi.de www.protec-semi.de

Protec GmbH
High-Rel Electronic Components
Rosenheimer Landstraße 117
D-85521 Ottobrunn-Riemerling
Phone: +49 89 6602923

Simon Schiller
Sales Manager

Direct: +49 89 660292-42
s.schiller@protec-semi.de www.protec-semi.de

Protec GmbH
Vertrieb elektronischer Bauteile
Rosenheimer Landstraße 117
D-85521 Ottobrunn-Riemerling

Hermann Lindbüchl
GM & Sales Manager

Phone +49 89 6602923
Fax +49 89 6098170

h.lindbuechl@protec-semi.de www.protec-semi.de

Historical Brand Names of Suppliers

following Brands are still known, either sold or renamed, we might be able to help you

