

## RF IMMUNITY News Release Mar. 2018 - Success Story

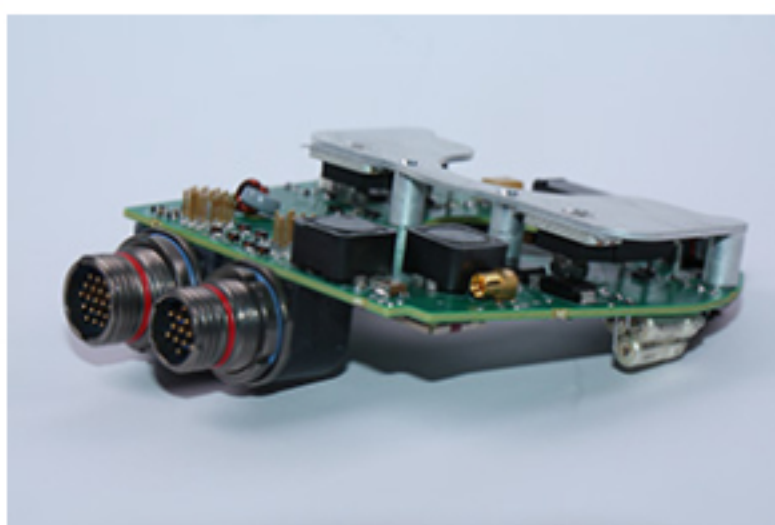
### New Project development of Filter + Protection unit and Custom Connectors set

**RF Immunity** had been selected to develop two customized and unique products in a new prestige project for one of our customers for their new Payload equipment:

1. Filter+Protection board
2. Set of Hermetically Sealed custom connectors

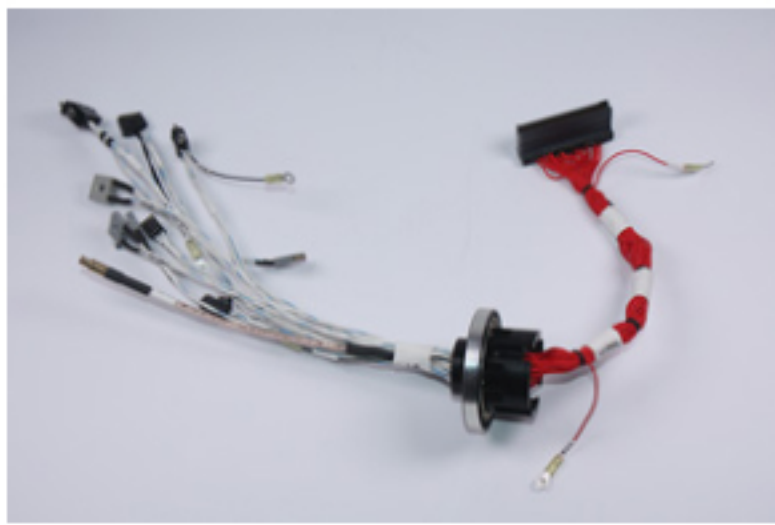
The challenge was to develop under a very tight space and weight limitations intelligent products with a creative engineering approach.

The Filter + Protection board was designed to apply the Transient Protection per MIL-STD-1275D, MIL –STD – 704A&E and attenuation performance of Line to Line and Line to GND. Additional electronics features were requested and added like reverse polarity protection and under voltage shut down. An internal GPS module was added to the board, as well as an electronic key that switches the GPS signals between the internal and external signals.



The customized connectors set (Male + Female) was strictly designed with a special mechanical shape to be located at accurate match inside the payload slip ring system. The contact arrangement was specially designed for a customer requirements and contains 32 contacts for data (size 22), 4 contacts for power lines (size 20) and one MMCX coaxial contact for the video link. The connectors are Hermetically Sealed to 10-5 cc/sec Helium level..

The connector set is supplied with flexible silicone wires and has a special ability for Hundreds of thousands rotation cycles within a range of  $\pm 35^\circ$ .



**RF Immunity can be your development partner for designing RFI/EMI/transient protection boards and Customized Connectors for low quantity, with high engineering flexibility approach and outmost care, that will meet your electrical and mechanical requirements.**

Other EMI/RFI boards that designed by RF Immunity:



For more details, please contact: [sales@rfirmunity.co.il](mailto:sales@rfirmunity.co.il)

### About RF Immunity

RF Immunity established in 2002 as a privately owned company that specializes in the design and manufacturing of EMI/RFI filtered connectors, transient protection connectors and hermetically sealed and customized connectors. Our products are based on highly advanced filtering technologies and techniques, and excel in the design and manufacturing of unique filtering solutions, made to meet the specific requirements of each customer. The miniaturized RF Immunity products are renowned for their quality and they perform perfectly under extreme environmental conditions

The qualities of RF Immunity products make them an ideal choice for a variety of applications including military, commercial, avionic and more. These products cover diverse forms of frequency filtering: filtered connectors and filtered units for single line as well as for multi-channel configurations, and protective devices for power supply systems. We place much focus on designing customer specific solutions, protecting their devices from EMI/RFI threats and assuring a reliable and effective solution. RF Immunity is a well-established company leading the Israeli market with proven capacity and experience in the military, industrial and medical arenas. The innovative and highly advanced Israeli technology markets create an abundance of RFI/EMI challenges. These challenges are successfully met by RF Immunity to the complete satisfaction of its customers fulfilling all the necessary requirements.

For more information please contact us at