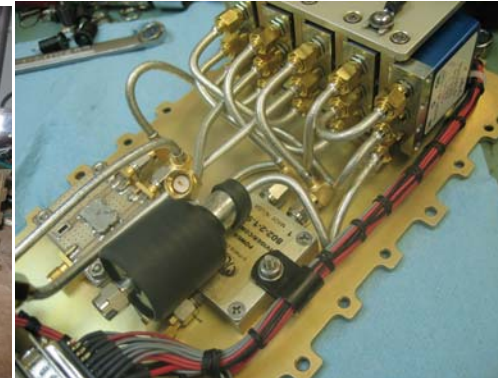
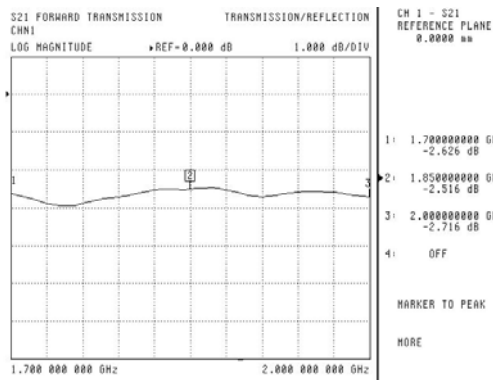
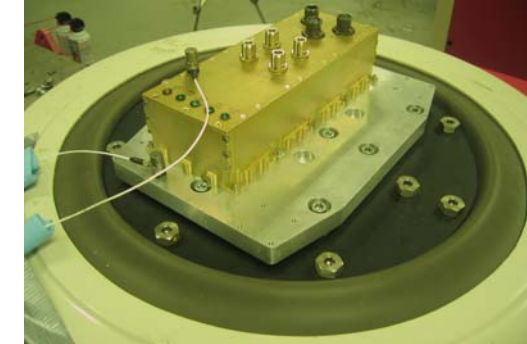
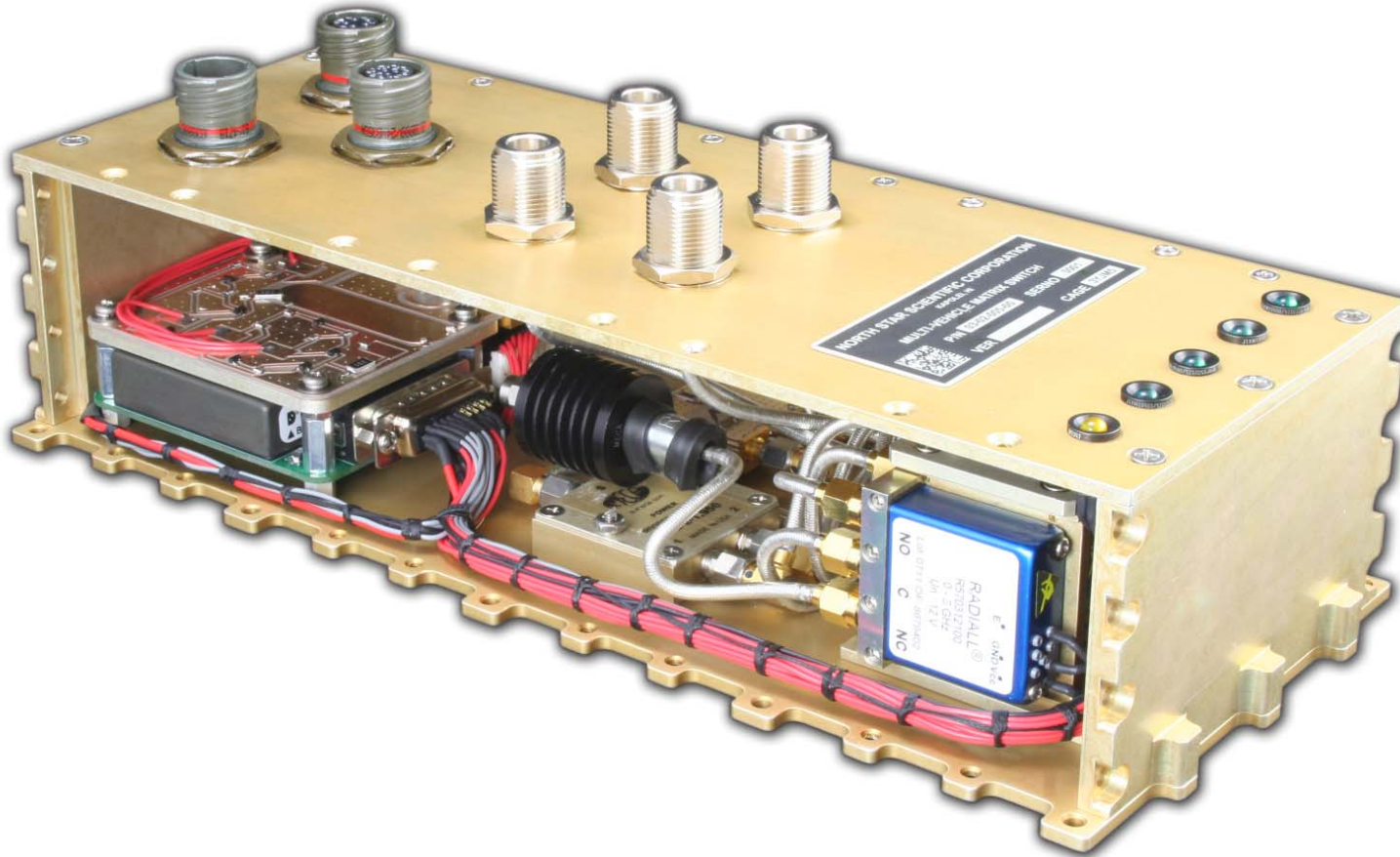


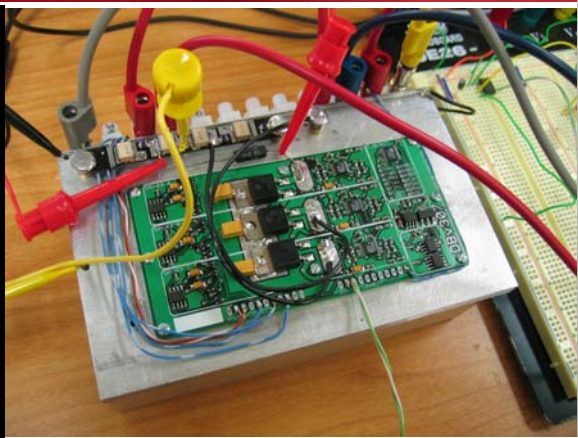
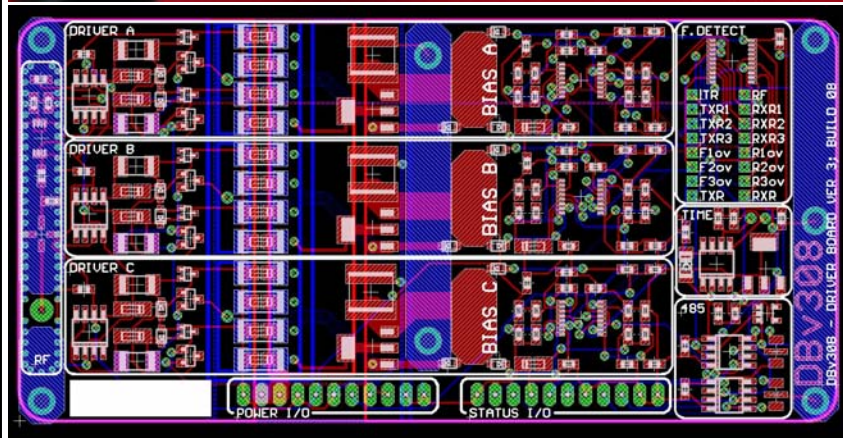
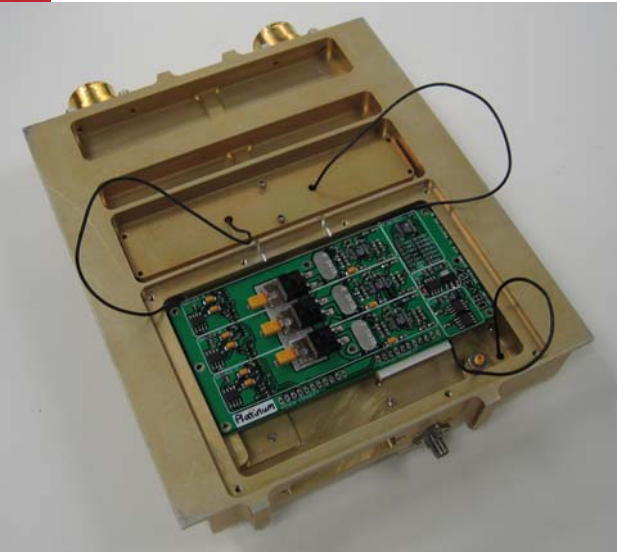
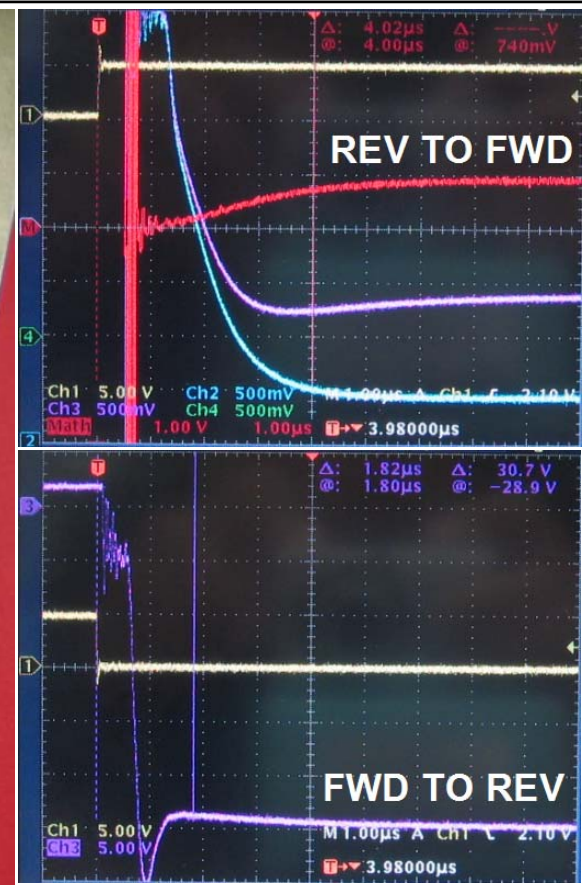
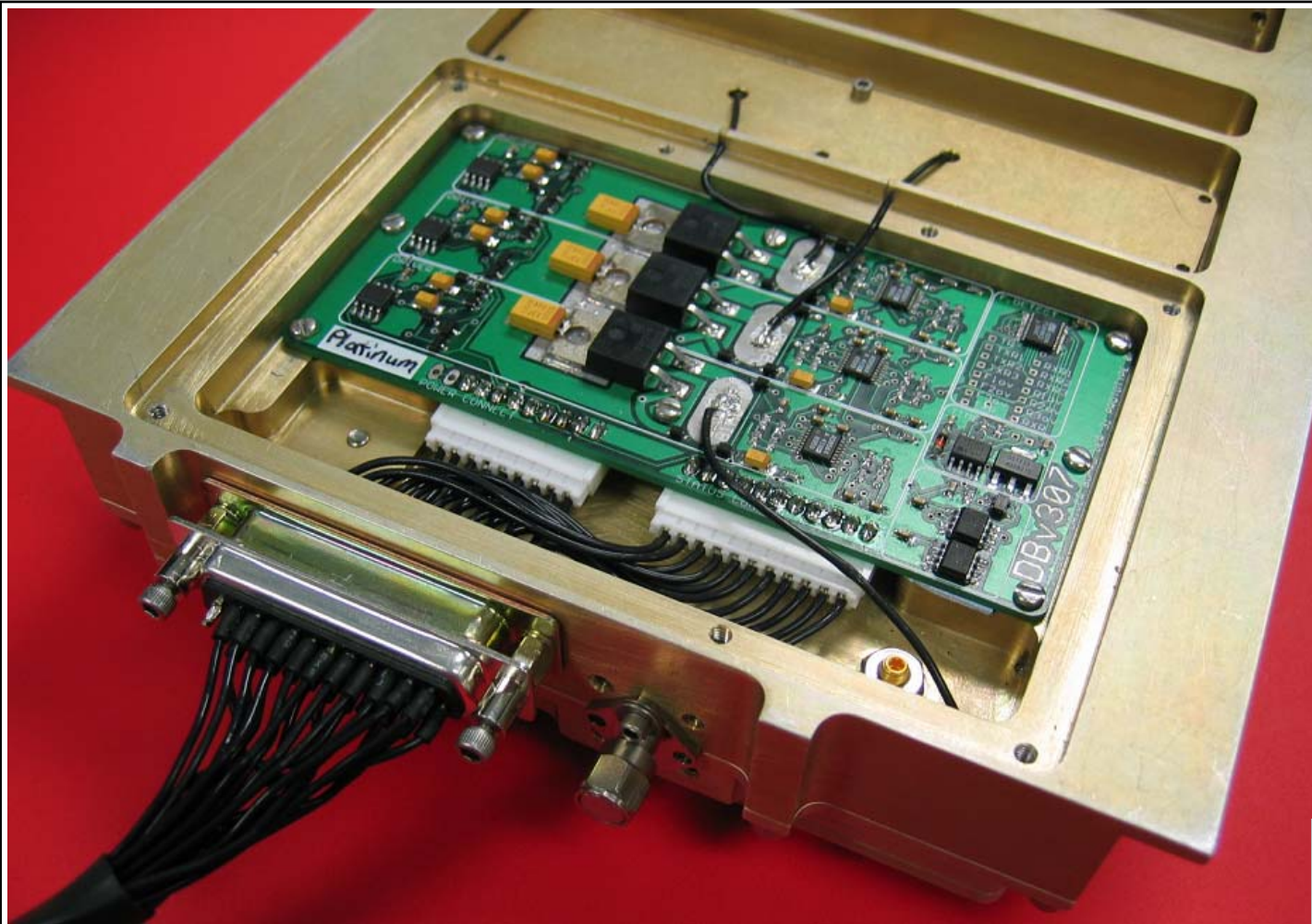
Littoral Combat Ship (LCS) "Matrix" Switch

10W, 2x6 RF input-output multiplexing switching device for L-Band and VHF frequencies. For use in radio communications as a T/R switching device between multiple radios and antennas. The LCS Matrix Switch is a North Star Scientific Corporation product designed by Philip Robbins (2007).



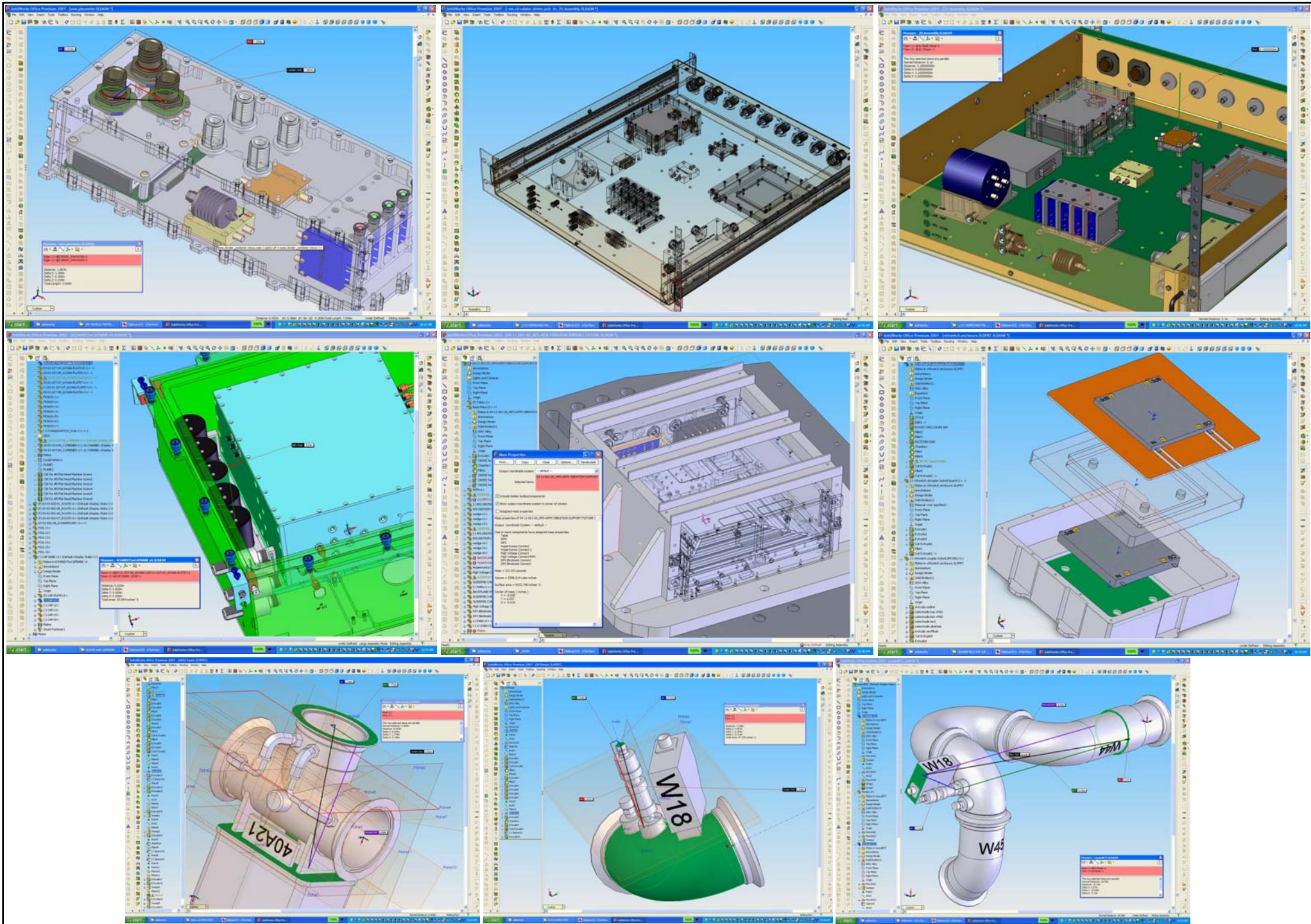
Multi-Vehicle "Matrix" Switch

10W, 1x4 RF input-output multiplexing switching device for L-Band frequencies. For use in radio communications as a T/R switching device between vehicle radios and antennas. The LCS Matrix Switch is a North Star Scientific Corporation product designed by Philip Robbins (2007).



UESA Transmit / Receive (TR) Switch P-I-N Diode Driver Board

Protective control/driver circuitry used for high power UHF TR switches. Capable of switching between 600mA FWD current within 4us and -30V reverse voltage within 2us. The TR Switch Driver Board is a collaborative effort between the Research Corporation of the UH and North Star Scientific Corporation. Designed by Philip Robbins (2005).



SolidWorks CAD 3-D Modeling

Experienced in the use of mechanical CAD software such as SolidWorks 2007 in the design of various product enclosures and support fixtures. Images above of aircraft support structures and product enclosures modeled by Philip Robbins (2006 - 2007).

