



# 8<sup>th</sup> Polar Technology Conference

April 3-5, 2012

**Ngoc Hoang**

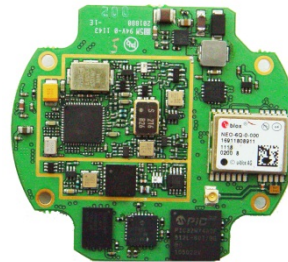
NAL Research Corporation  
9300 West Courthouse Road, Suite 102  
Manassas, VA 20110

# About NAL Research Corporation

- Located in Manassas, Virginia
- Established in 1997
- Iridium manufacturer and reseller since 2001
- Primary markets: remote sensors, tracking and search and rescue
- Iridium custom-designed hardware



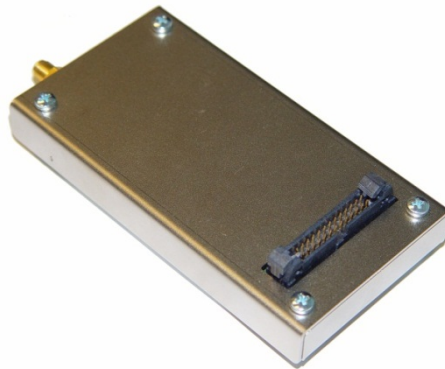
9601-RS



9603-C

# Short-Burst Data (SBD) Devices

- 9601 vs. 9602
- (106mm x 56.2mm x 13mm) vs. (45mm x 41mm x 13mm)
- 117g vs. 75g



9601



9602

# Short-Burst Data (SBD) Devices

- 9602 vs. 9603
- (45mm x 41mm x 13mm) vs. (31mm x 29mm x 7.4mm)
- 75g vs. 10g



9602



9603

# Full Data Modems (Data Switch, RUDICS, SBD, SMS)

- 9522B Modems
- A3LA-X Series



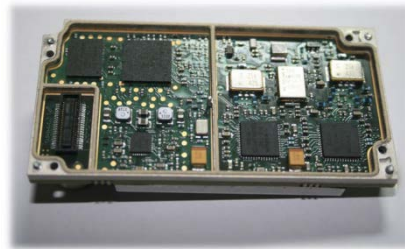
9522B



A3LA-X

# Full Data Modems (Data Switch, RUDICS, SBD, SMS)

- 9523 RF Board
- A3LA-R Series



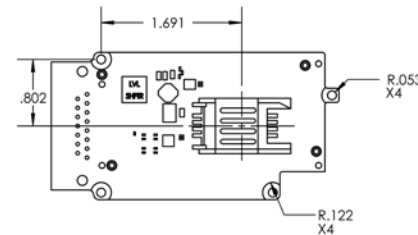
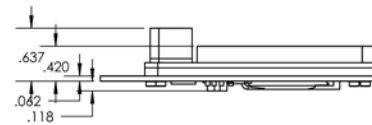
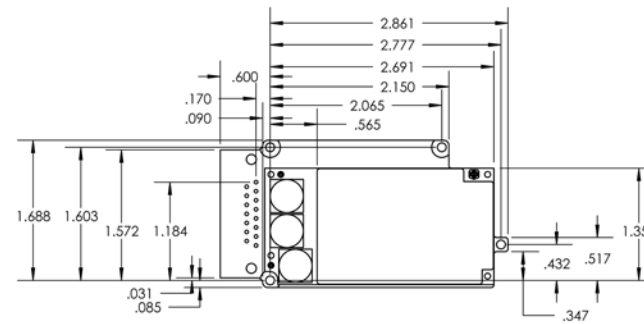
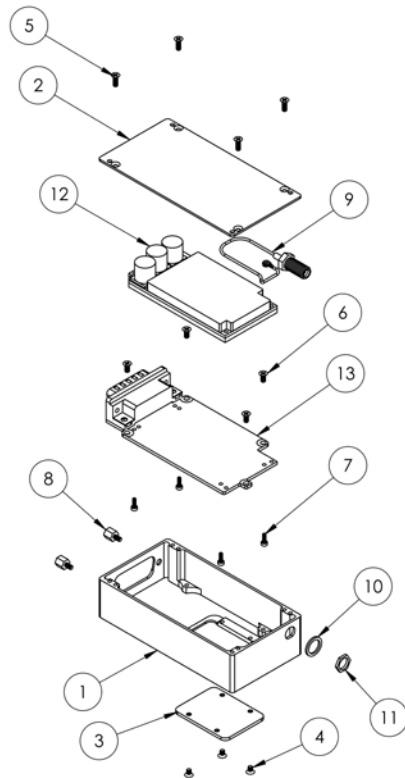
9523 RF Board (70mm x 36mm x 15mm)



A3LA-RS

# Full Data Modems (Data Switch, RUDICS, SBD, SMS)

- A3LA-RS Exploded View





# Iridium Network

- Global Data Broadcast (GDB)