**Overview of Rework**

The family of RVON products has a problem with a polarized tantalum capacitor which connects to a transceiver IC. The capacitor is installed incorrectly which can cause connectivity problems in these products.

A polarized capacitor is not required for the application and rework consists of removing the tantalum capacitor and replacing it with a non-polarized ceramic capacitor. Because the tantalum capacitor can be identified by a polarizing stripe on one end it is easy to identify PCB assemblies that have already been corrected.

**RVON PCB Assemblies Affected**

F01U191406 (90307877000) RVON-2 PCB KP32 Revision after rework – **H**

F01U191407 (90307877001) RVON-2 PCB DKP32 Revision after rework – **H**

F01U191408 (90307877002) RVON-2 PCB KP32 CLD W/RC Revision after rework **- H**

F01U191375 (90307835000) CRONUS RVON Revision after rework – **E**

F01U191387 (90307848000) RVON-16 Revision after rework – **D**

F01U191333 (90307757001) RVON-1 for KP Revision after rework – **M**

F01U191334 (90307757100) RVON-1 for RVON IO Revision after rework - **L**

**Capacitor Needed for Rework** (1 per PCB assembly)

F01U163128 (102881882) CAP CER 1.0 uF, 50V, 10%, X7R 1206

**Procedure**

1. Remove tantalum capacitor. See locations for RVON PCBs on next page.
* RVON-2 **-> C66**
* CRONUS RVON **-> C8**
* RVON-16 **-> C21**
* RVON-1 **-> C8**
1. Install Ceramic capacitor.
2. Update revision on PCB to reworked revision.

 **Done**



