

# TECHNICAL BULLETIN

Ikegami

37 Brook Avenue, Maywood, New Jersey 07607 • (201) 368-9171

**Date:** 6/15/12  
**Engineer:** Alan Keil  
**Page:** 1 of 2

**To:** Distribution

**Product:** Hi-Motion II

**Symptom:** When the camera is connected to a Telecast SHED HDX the 1K load of the HDX causes a capacitor on the E/O & O/E board to be reverse biased, which causes the voltage on one low voltage standby line to increase over time, sometimes exceeding the detection range for an Ikegami type camera. The HDX may then shut down or power cycle. This capacitor will become damaged over time, further increasing the likelihood of voltage detection errors in the HDX.

**Purpose:** To ensure compatibility with SHED HDX by changing the capacitor to a bi-polar type.

**Instruction:** Remove the E/O & O/E board taking care of the two fiber and two coax leads connecting to this board. Remove capacitor C66 (15uF/16v) and replace with a 10uF/10v bi-polar capacitor, part number UMP1A100MDD. Since the bi-polar replacement capacitor is not surface mount type, it should be mounted on its side using a silicone adhesive to maintain position. Refer to figure 1 for part location.

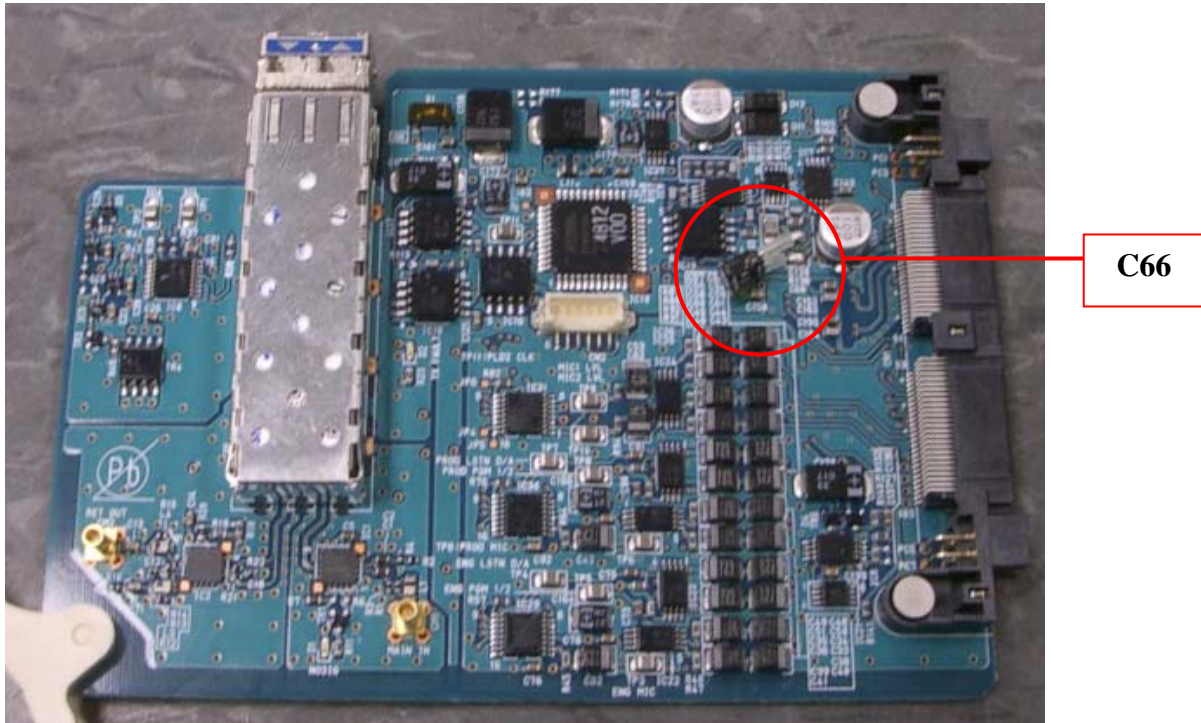
**Note:** lead free solder should be used for work on this pc board.

# TECHNICAL BULLETIN

Ikegami

37 Brook Avenue, Maywood, New Jersey 07607 • (201) 368-9171

**Date:** 6/15/12  
**Engineer:** Alan Keil  
**Page:** 2 of 2



**Figure 1 – E/O & O/E board**