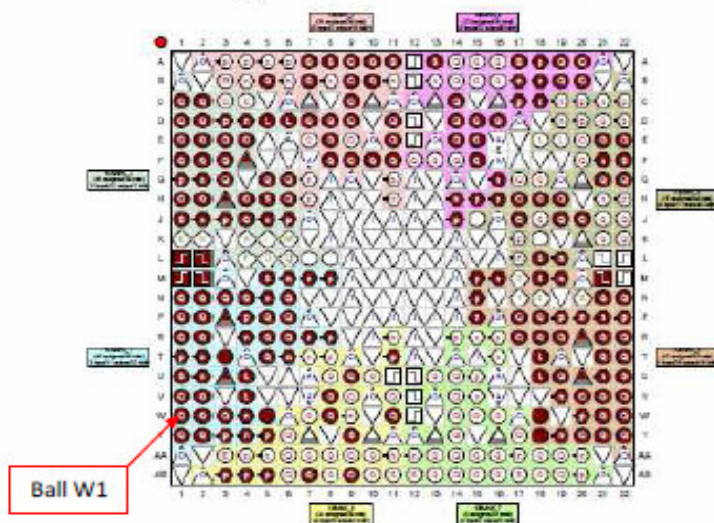


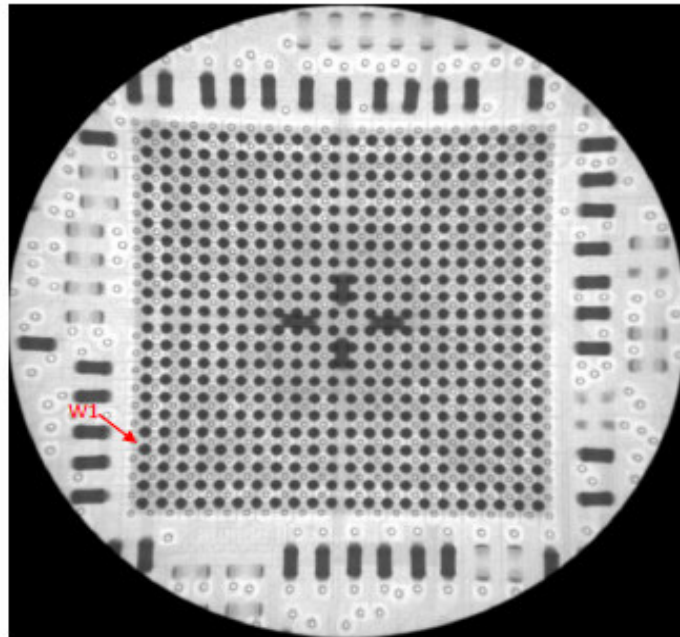


Figure 2. Close up top view of U60 and the cross section cut (indicated by red dashed line).

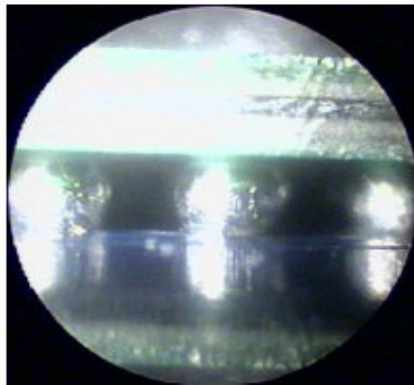
Top View - Wire Bond
Cyclone II - EP2C35F484C6



X-ray



ERSA scope



PIN W1

Cross section (PIN W1)

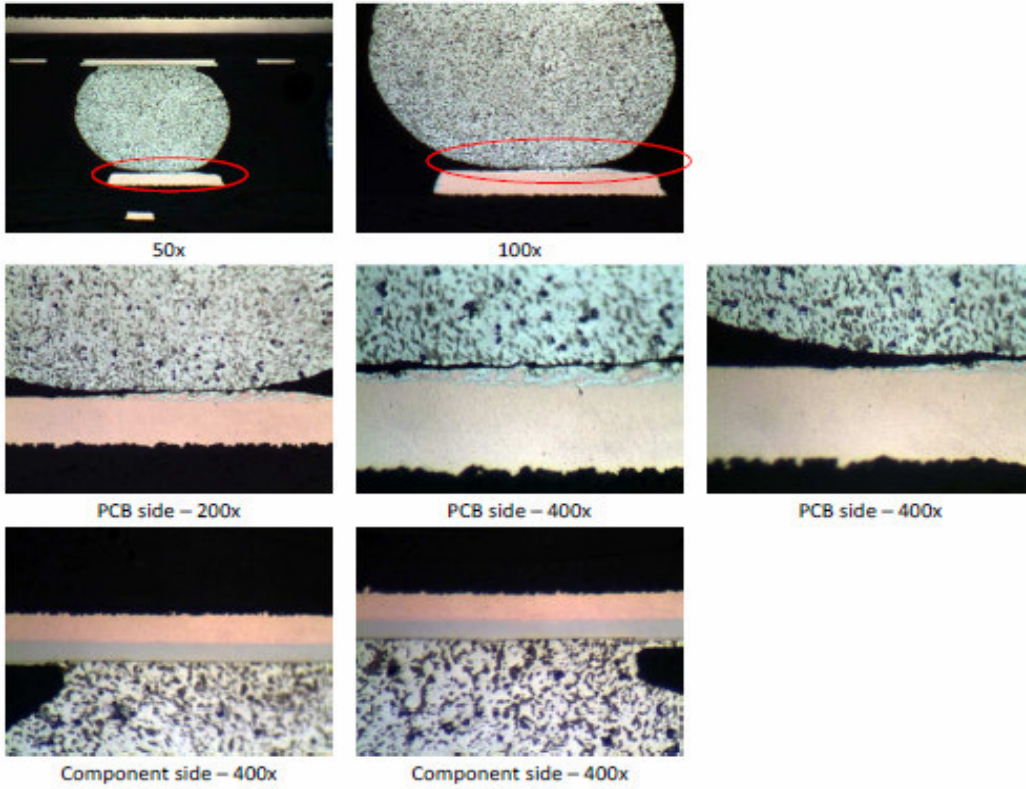


Figure 5. Cross section view of PIN W1 on U60 (SN 23-0940-00033). Solder ball W1 shows no wetting to the PCB copper pad and fractured solder connection at PCB-solder interface.