

FCC ID: 2ACYQRB1

1st October 2014

Internal Layout (Case Removed)

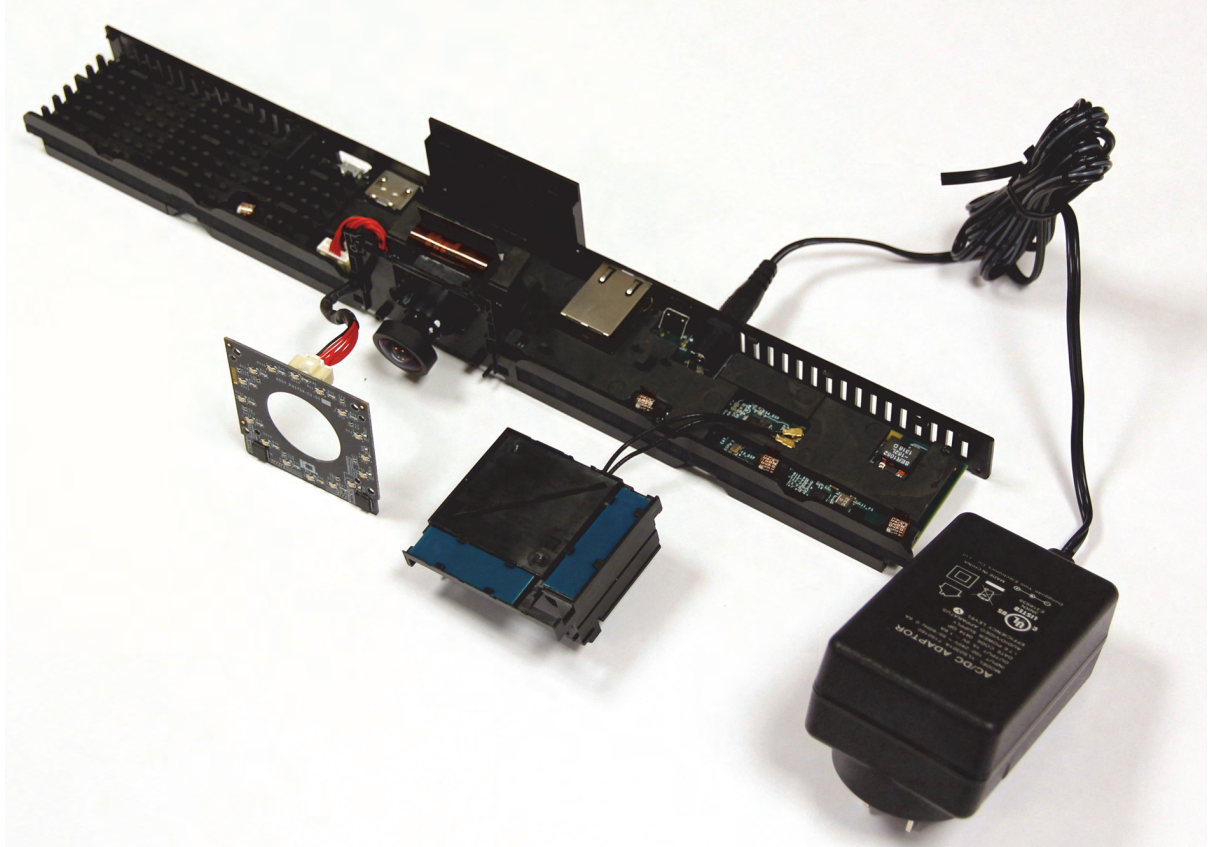


Figure 1: Internal assembly showing main logic board (MLB) mounted in plastic chassis and light ring PCB and WLAN/BT antennas attached to RF ports 1 & 2. Mic boards are not visible in this view

Roombox Disassembled

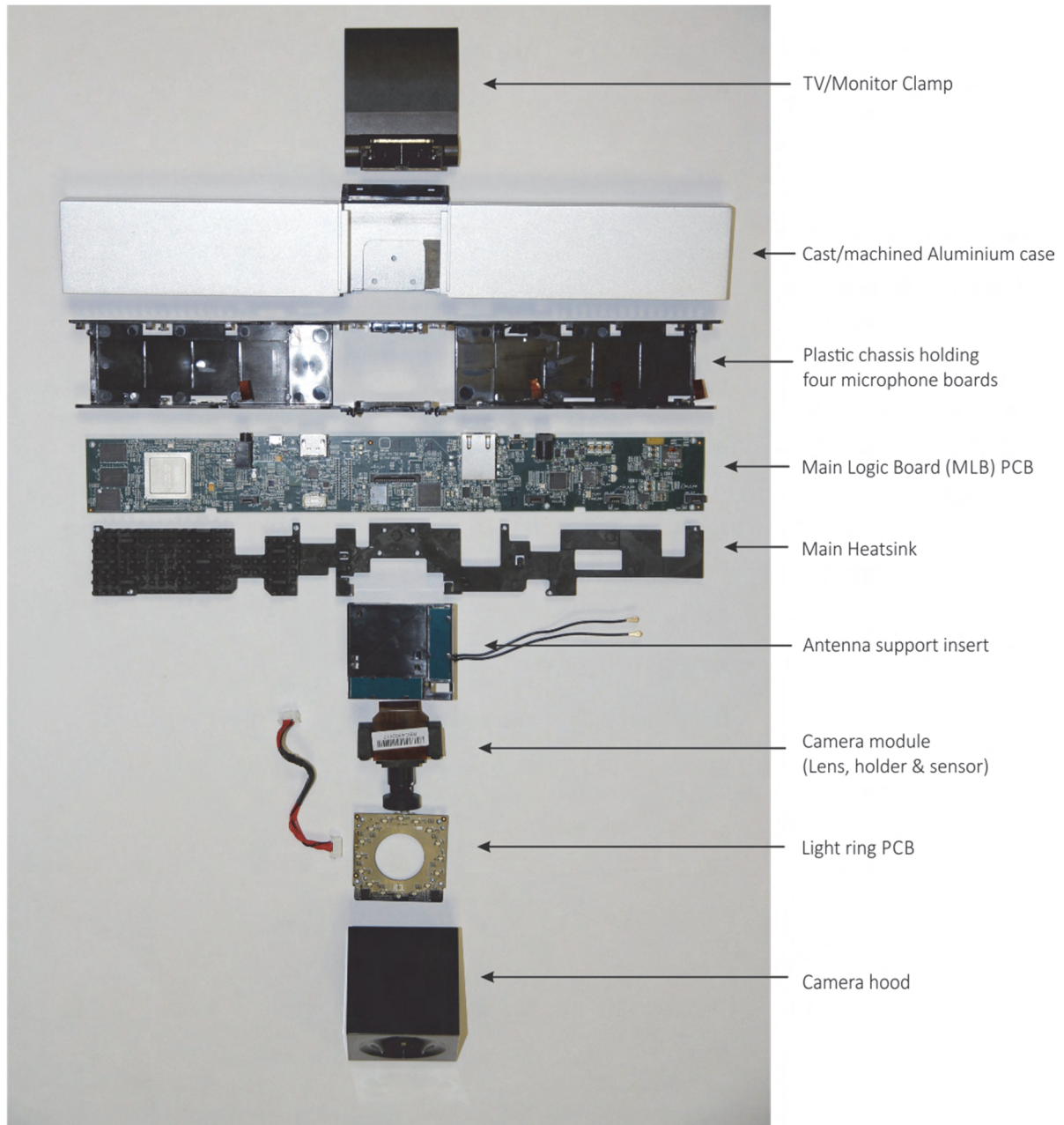


Figure 2: Internal sub-assemblies showing mechanical and electronic parts

PCB Assemblies

General PCB Group

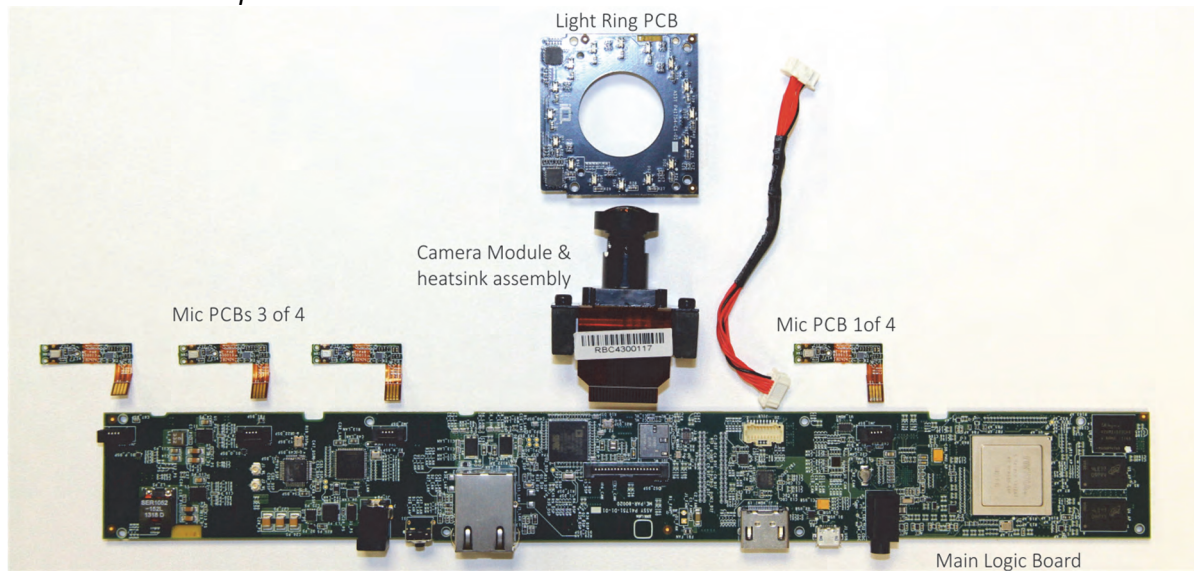


Figure 3: General view of the x7 printed circuit boards in Roombox

Microphone PCB

MEMS rear port
microphone

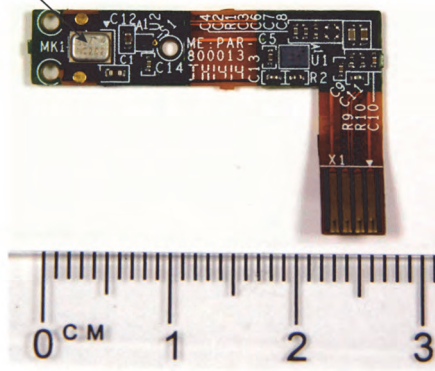


Figure 4: Microphone PCB. No active components on side B

Light Ring PCB

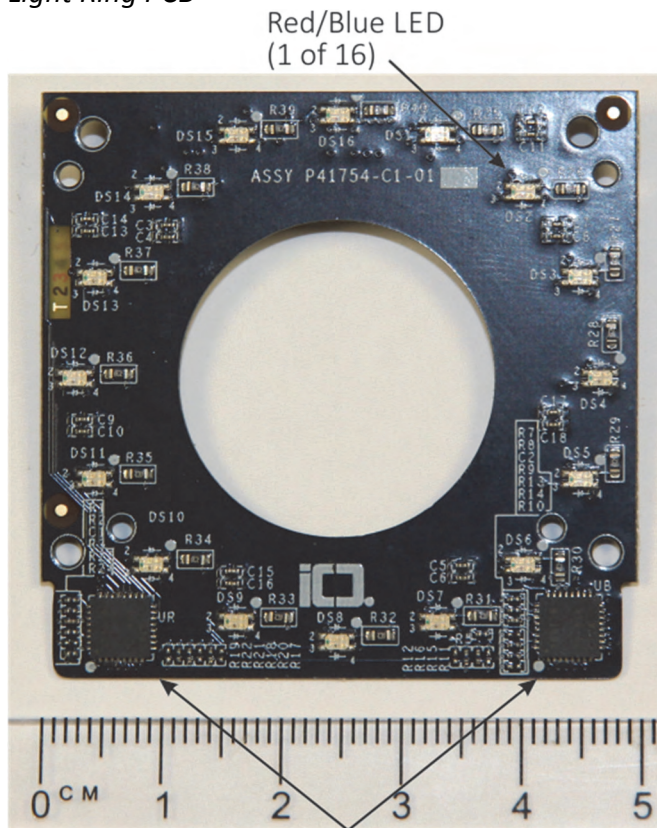


Figure 5: Light ring PCB. No active components on side B

MLB Side A

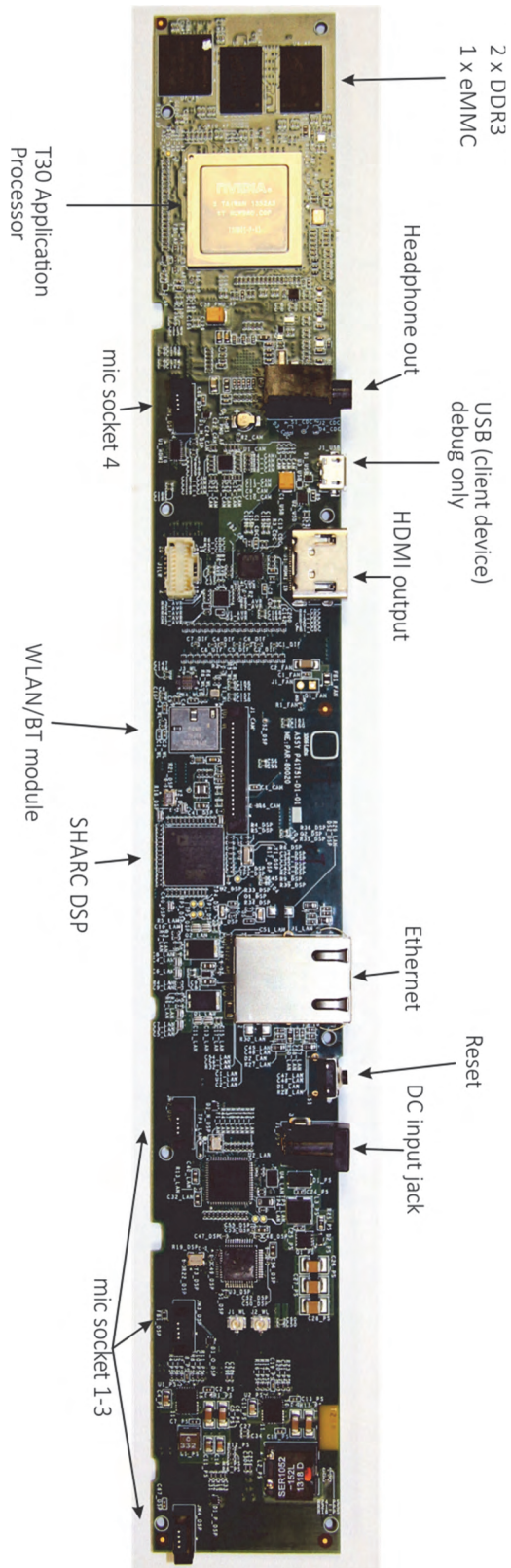


Figure 6: MLB side A

MLB Side B

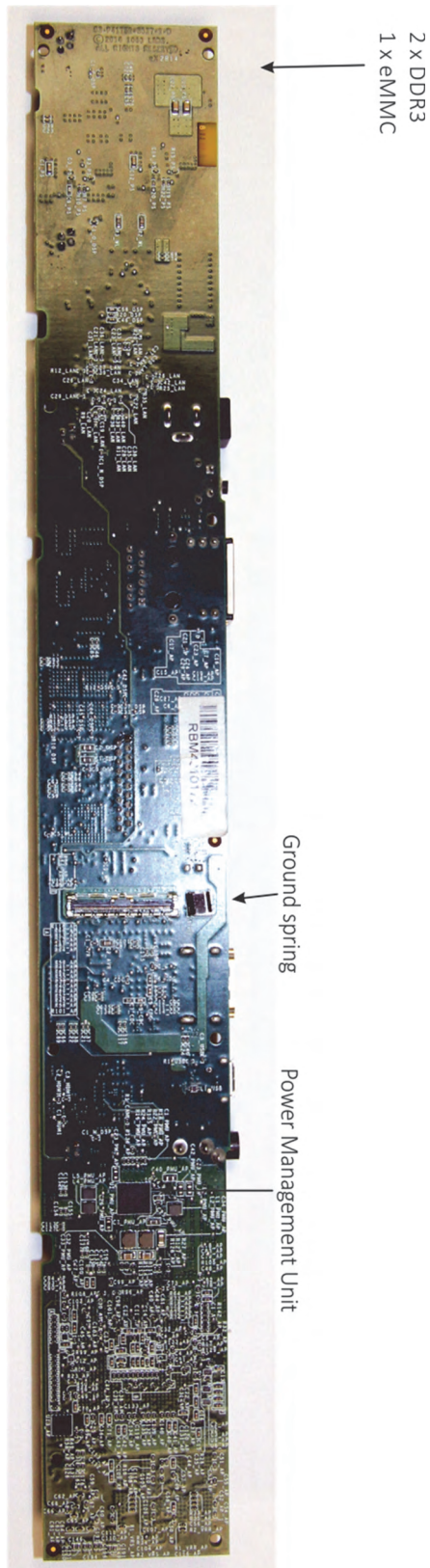


Figure 7: MLB side B

WLAN Detail Side A

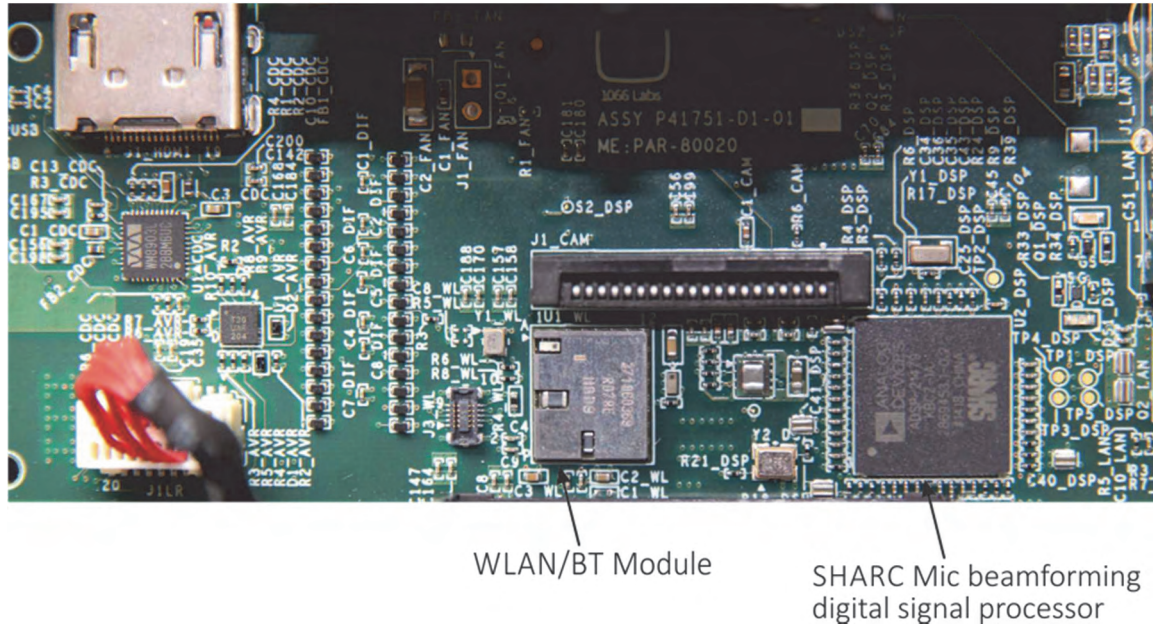


Figure 8: MLB side A with WLAN/BT module detail

WLAN Detail Side B

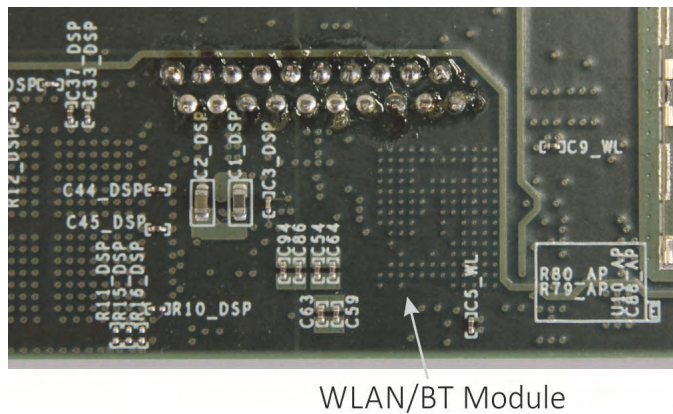
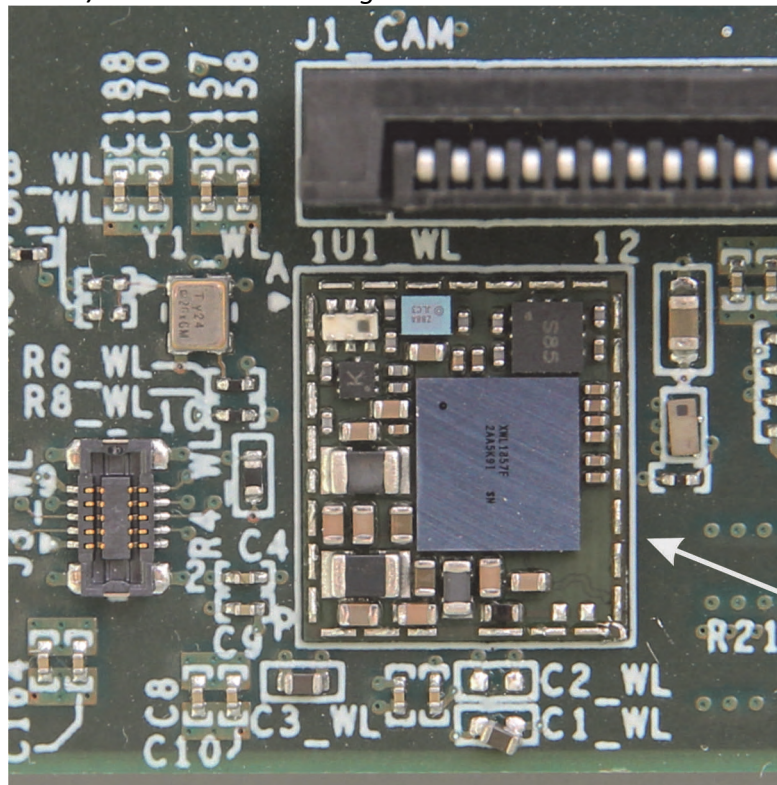


Figure 9: MLB side B with WLAN/BT module detail

WLAN/BT without Screening Can



WLAN/BT Module
without screen can

Figure 10: Close up of WLAN/BT module without screening can

RF Port Detail Side A

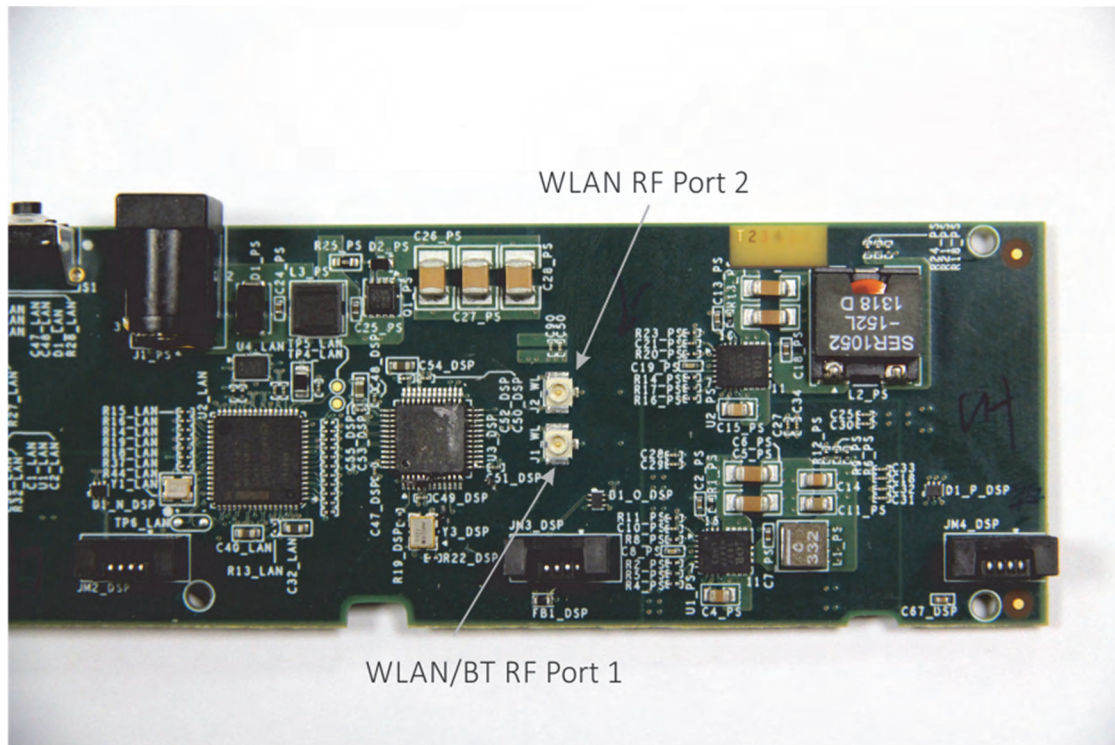


Figure 11: MLB Side A with RF port detail

RF Port Detail Side B

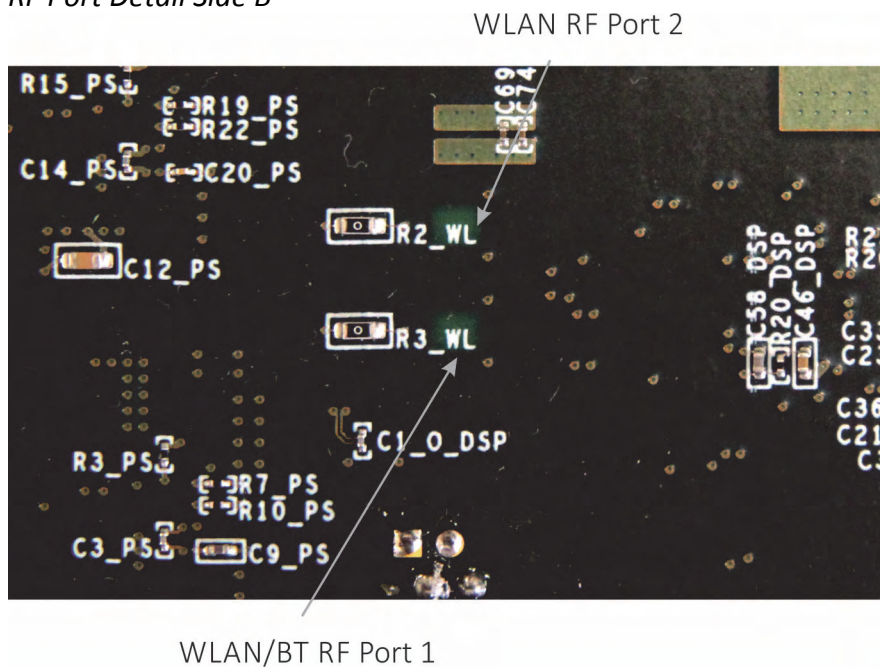


Figure 12: MLB Side B with RF port detail