v.100 Camelot / Differences to Leap
Draft 2000-07-12 from E-Mail by Beth Hartigan

List of differences from LEAP. Assumption is that reader knows the leap product or has access to LEAP documentation.

1. Form factor (see photos)
2. No speaker on controller board
3. No microphone on controller board
4. No Irda
5. No flip open/closed detect
6. No status LED
7. Different Vibrator motor
8. Traducer driver circuitry from Shark
9. Stereo audio jack, but only supporting Mono
10. Audio is 100% GSM Shark
11. XCVR on separate board
12. Display connector more pins, different family
13. Display driver, same family but more pins
14. Qerty keyboard
15. Uses DAO user interface
16. Uses Kramer5 code
17. More LEDs for keypad backlight
18. Camelot is dedicated antenna/RF board (flex/coax/led's).
19. Rf phasing port no longer on butt plug
20. Many power filter components are different

Where ever possible reference designators were left to match LEAP, especially on the XCVR circuits. Camelot is a strip down version of LEAP with a qerty keyboard. The flip design intent is to be repairable. Although the XCVR and controller are separate boards, they are manufactured at the vendor and in all stages of manufacturing, together. The factory does not at this time have provisions of dealing with them separately. Therefore there is a single part number that represents both boards. This for the time being means they are stocked together and you can not order one separately. Effort will be on going to make this not necessary, but in the interest of ramping as quickly as possible, this was the fastest solution the camelot team could find.