

## Mike Thompson comments on LONESTAR design

1. Very desirable to try or assy offline the display with polarizer, mounting frame and elastomers. Can we glue (or something) the elastomers into place?
2. Keyboard PWB will require critical cleaning after solder ops to prevent contamination of gold fingers. Could avoid if we used mylar type keyboard with nonconductive elastomer spring. Need to avoid 2 solder process on this board (one for flat pads, one for discretes)
3. On both PWB's try to eliminate auto insert by putting R-C components into hybrids.
4. Combine I/O connector and battery charger connector into same physical part?
5. Avoid separate reset switch. Maybe a pencil hole in top case to depress an elastomer switch on keyboard?
6. TI-88 power supply boosts voltage without use of ferroids - maybe we can do something similar
7. Use good sockets for RAM. Maybe the side wiping socket is best, Mike will send a sample. Bottom case should capture chips so we don't lose them in vibration.
8. 5040, PC-100, PC-800, 5135 use wire lead frames to interconnect PWB's etc. The stamped leadframe may be a little better
9. Need to be able to trouble shoot w/o unsoldering PWB's.
10. Minimize internal case parts that are not absolutely captured in assy - tilt bar, battery insert, elastomers etc.
11. Module PWB designed to build in panels - make design allowance for burrs in breakaway areas. Maybe mold top & bottom case together with a fold over hinge?
12. Contact Bill Evans in Milens re design requirements for labels he can attach with his automatic labeler.