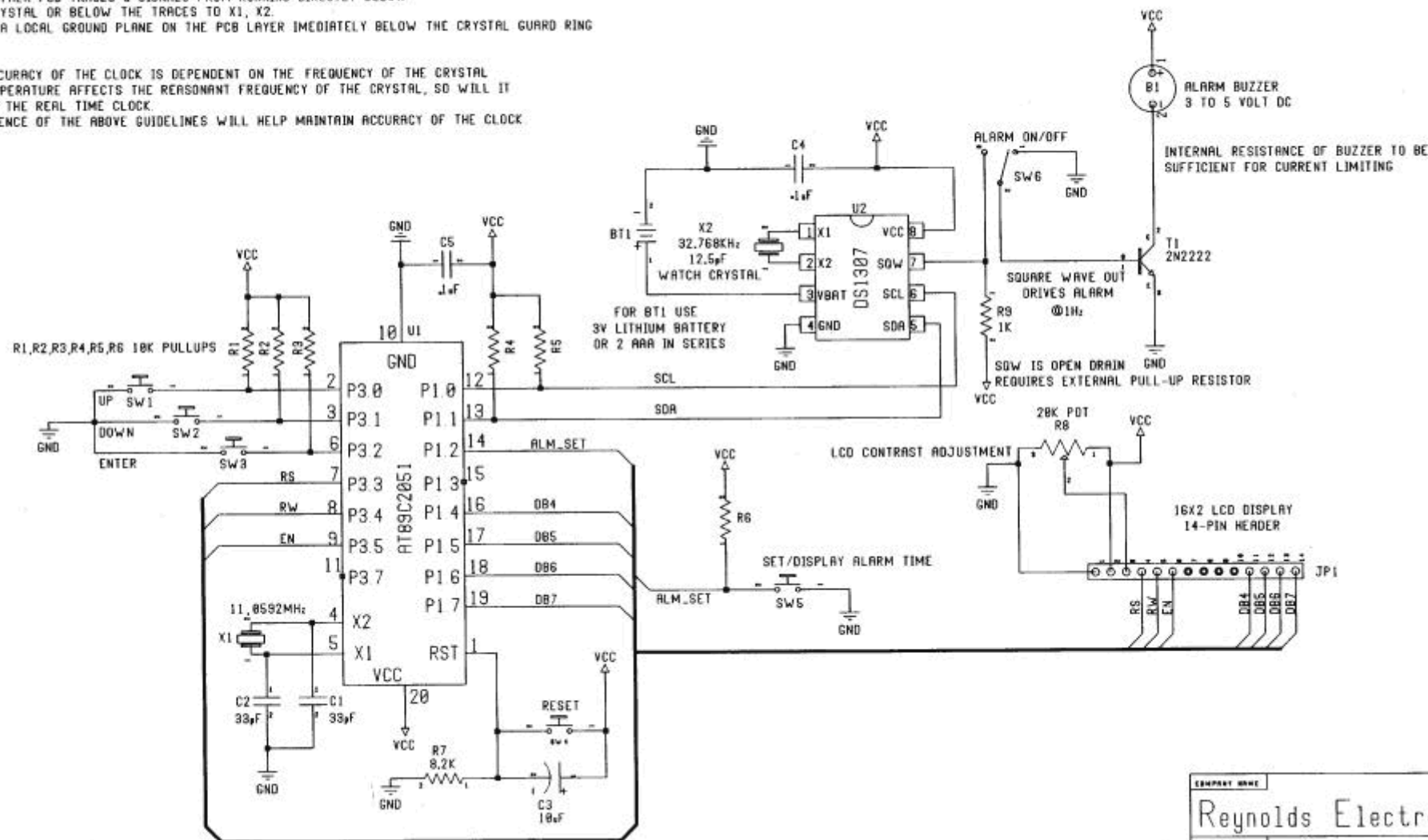


FOR MAXIMUM PERFORMANCE & TIMEKEEPING ACCURACY

1. KEEP CRYSTAL AS CLOSE AS POSSIBLE TO PINS ON DS1307.
2. KEEP CRYSTAL PADS & TRACE WIDTH AS SMALL AS POSSIBLE.
3. PLACE A GUARD RING (TIED TO GROUND) AROUND THE CRYSTAL.
4. KEEP OTHER PCB TRACES & SIGNALS FROM RUNNING DIRECTLY BELOW THE CRYSTAL OR BELOW THE TRACES TO X1, X2.
5. PLACE A LOCAL GROUND PLANE ON THE PCB LAYER IMMEDIATELY BELOW THE CRYSTAL GUARD RING.

THE ACCURACY OF THE CLOCK IS DEPENDENT ON THE FREQUENCY OF THE CRYSTAL AS TEMPERATURE AFFECTS THE RESONANT FREQUENCY OF THE CRYSTAL, SO WILL IT AFFECT THE REAL TIME CLOCK. OBSERVANCE OF THE ABOVE GUIDELINES WILL HELP MAINTAIN ACCURACY OF THE CLOCK.



COMPANY NAME
Reynolds Electro
TITLE
DS1307 BATTERY