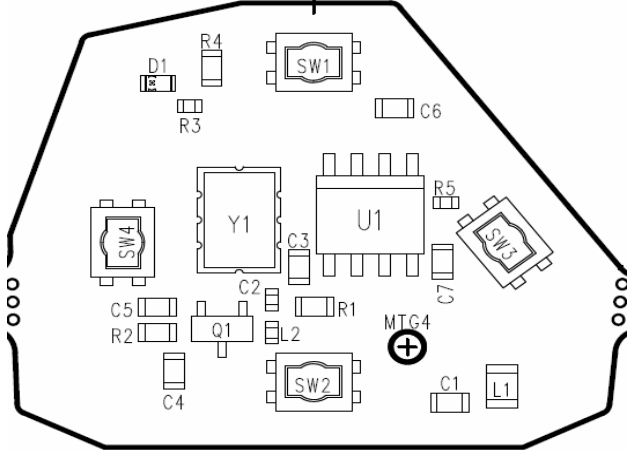
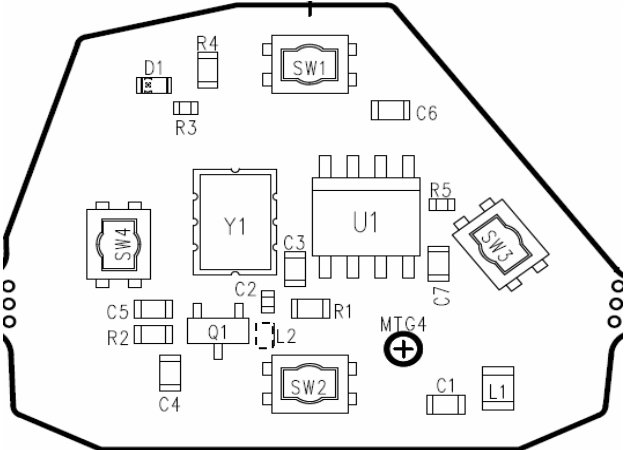
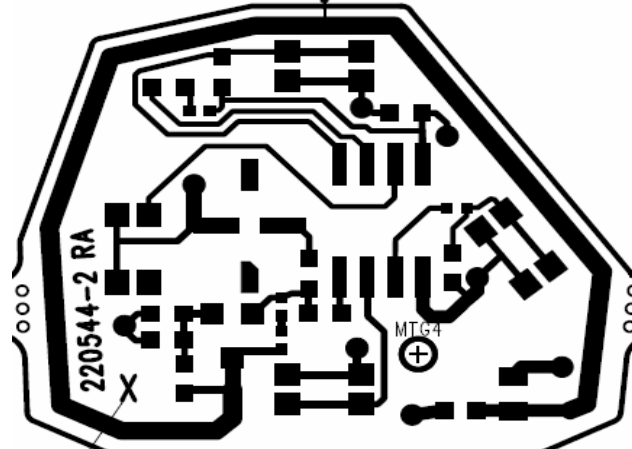
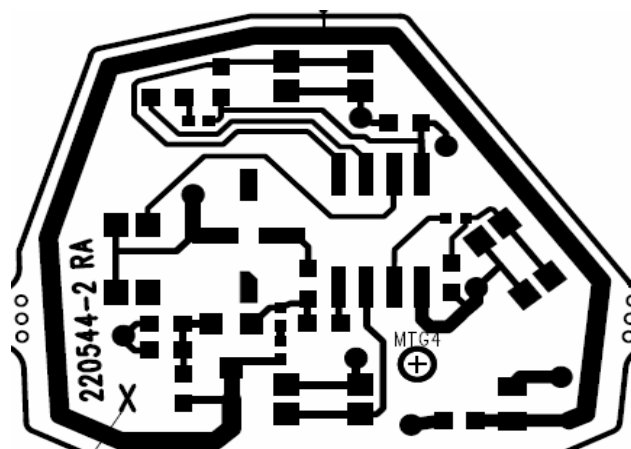
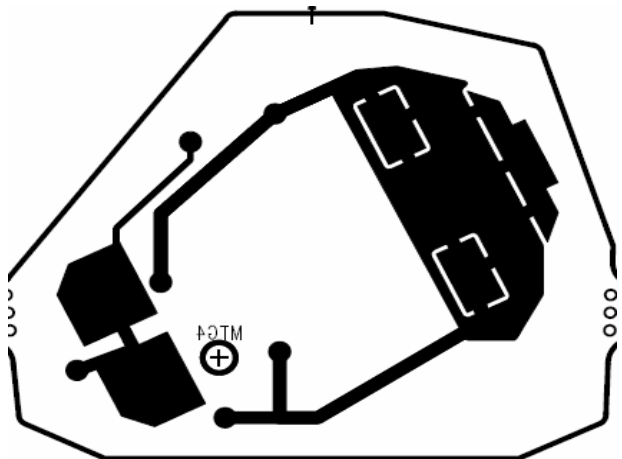
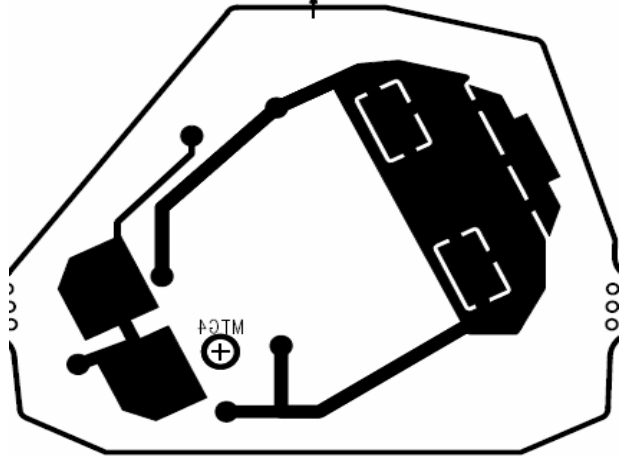


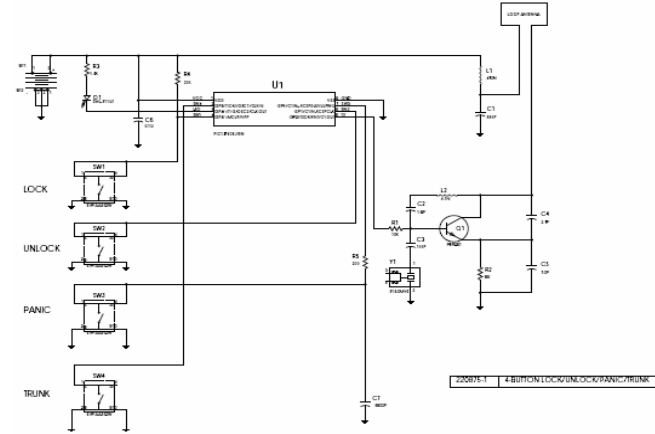
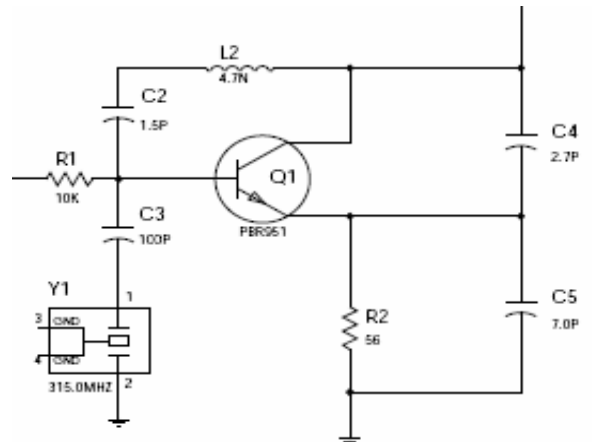
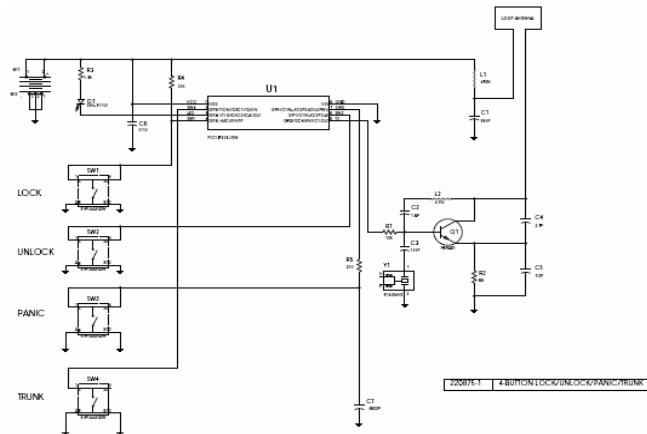
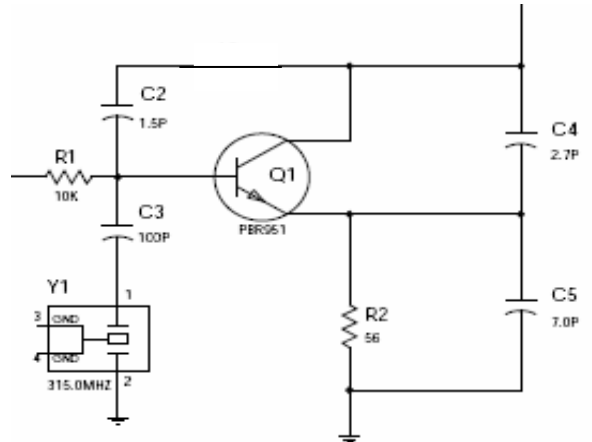
In-Key Transmitter Design Comparison For FCC Class 2

	GQ4-38T	GQ4-38T Class 2
<p>PCB Top Side</p> <p>No change to PCB</p>		 <p>L2 changed to 0 ohm jumper</p>
<p>PCB Trace Top Side</p> <p>No Change to circuit board traces</p>		

In-Key Transmitter Design Comparison For FCC Class 2

	GQ4-38T	GQ4-38T Class 2
PCB Trace Bottom Side		
No change to PCB traces		

In-Key Transmitter Design Comparison For FCC Class 2

	GQ4-38T	GQ4-38T Class 2
<p>Schematic</p> <p>For 575L Class 2 change L2 not populated, replace by 0 Ohm jumper. Purpose for not using L2 is ground plane change from GQ4-29T design reduced transmitter pulse widths slightly, TRW considered not enough margin for pulse width limits for receiver to accept. To improve on pulse widths changed high frequency filter feedback loop on RF transistor to return pulse widths to the same value as GQ4-29T. Originally L2 and C2 added to design to filter 1.2GHz frequency where outer key housing (not made by TRW) tends to resonate. Filter was not needed.</p>	 <p style="text-align: center;">↓</p> 	 <p style="text-align: center;">↓</p>  <p style="text-align: center;">L2 is not populated (short)</p>