

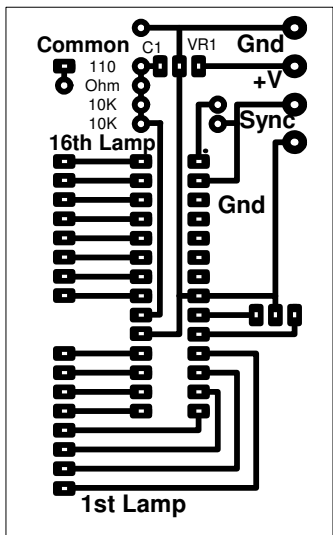
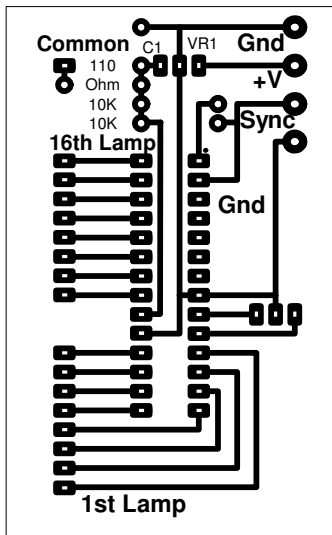
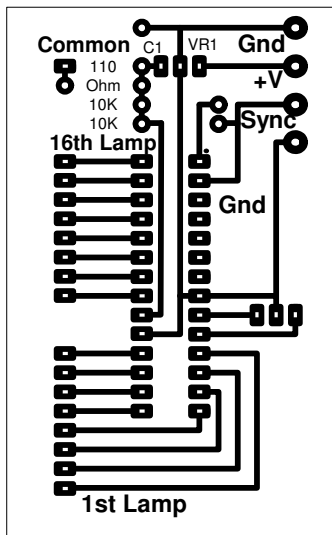
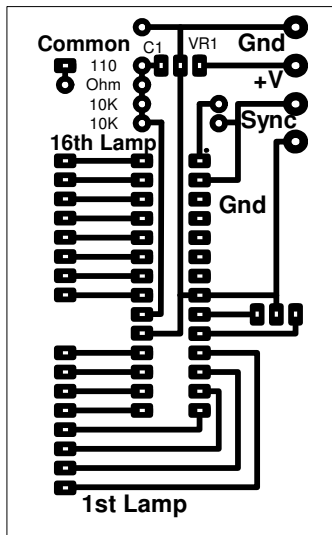
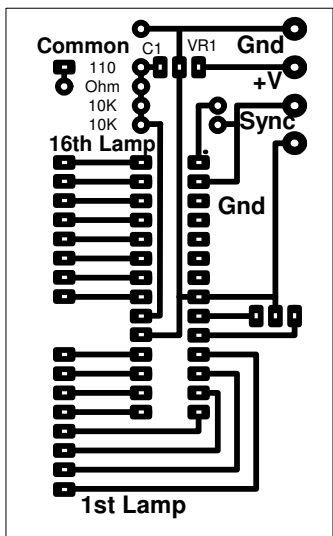
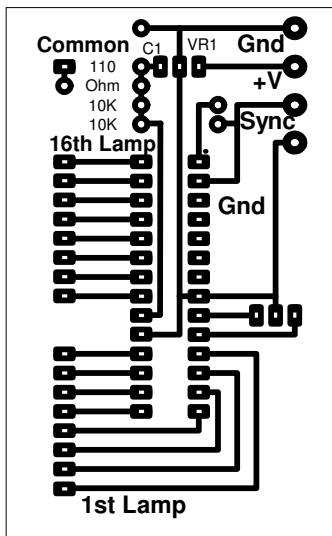
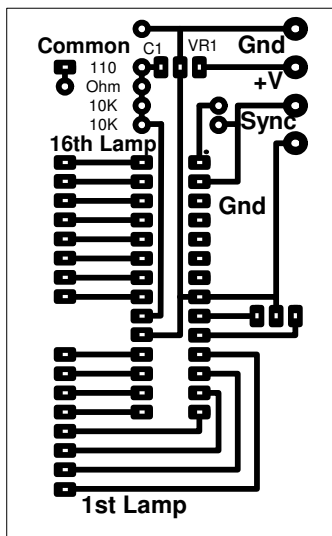
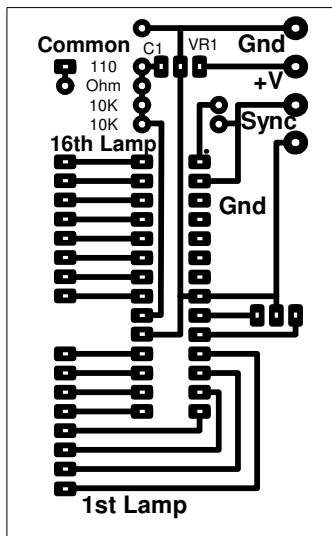
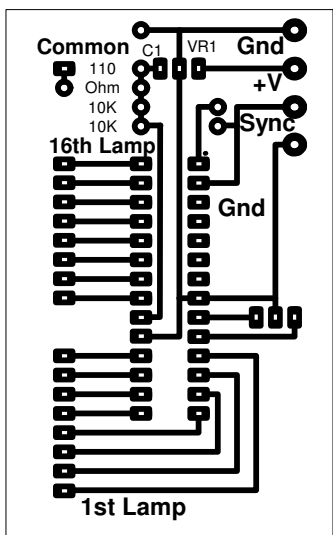
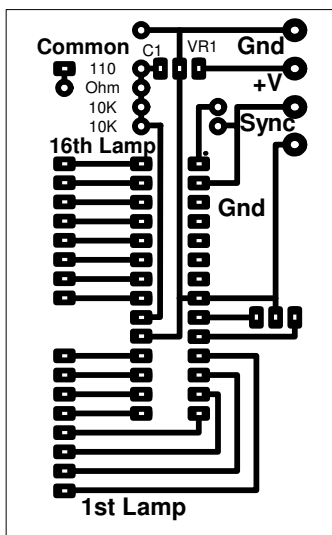
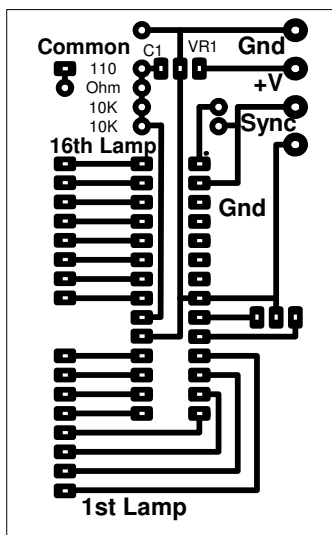
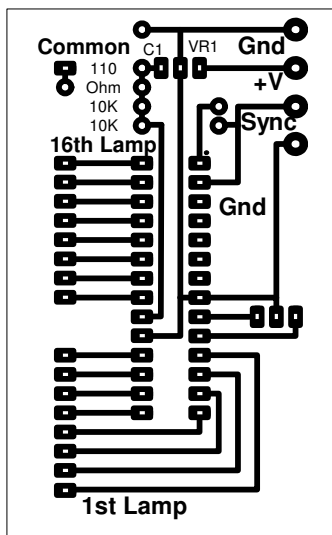
Long leg of LED goes to +5  
Common Wire  
Attach with UB type Tap  
Splice

Short leg of LED goes to  
processor over multipair.  
Attach with UB type Tap  
Splice

Ground Sync point to make a Master Circuit  
To Sync to another circuit, take to pin you  
desire to start the sequence on.  
Sequence starts on a Low.

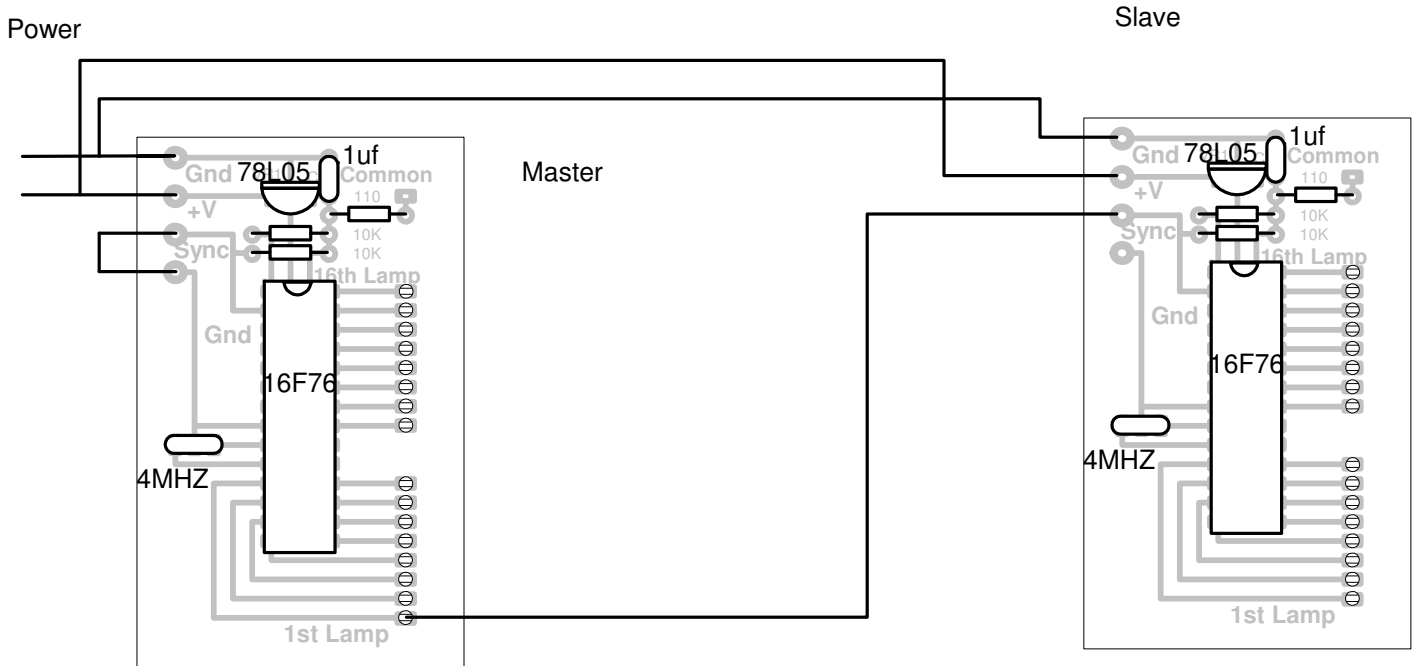
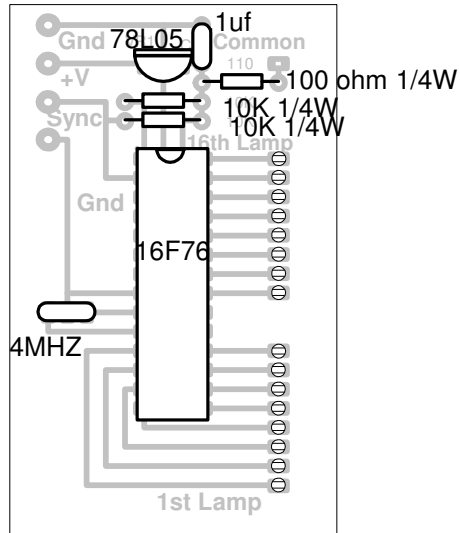
Date:	Revision/Addition/ Note	By :
Jan 02, 2007	Use Software Runway.hex	GSC
Jan 03, 2007	David Schoen (Son in law) had an idea for making multiple runs and syncing them together somehow. Reworked software to that end. Now using 16F76 processor and Runwaysl.hex software	GSC
Nov 18, 2007	Added details on wiring and connecting LED's	GSC

<b>Drawn By:</b> <b>Gerald Crenshaw WD4BIS</b>	<b>Date:</b> <b>Jan 02, 2007</b>	<b>From the bench of:</b> <b>Amateur Radio Station WD4BIS</b>	<b>Page</b> 1
<b>Engineer:</b> <b>Gerald Crenshaw WD4BIS</b>	<b>Date:</b> <b>Jan 02, 2007</b>		<b>of</b> 1
<b>Checked By:</b> <b>Janet Crenshaw WB9ZPH</b>	<b>Date:</b> <b>Jan 02, 2007</b>	<b>Title:</b> <b>Runway Lights</b>	



To print a reversed copy for making printed circuit boards. Print to HP laserjet 4 M, File, Print, Properties, Advanced, Postscript options, Mirror Image.

Drawn By: <b>Gerald Crenshaw WD4BIS</b>	Date: <b>Nov 09, 2008</b>	From the bench of: <b>Amateur Radio Station WD4BIS</b>	Page <b>1</b>
Engineer: <b>Gerald Crenshaw WD4BIS</b>	Date: <b>Nov 09, 2008</b>		of <b>1</b>
Checked By: <b>Janet Crenshaw WB9ZPH</b>	Date: <b>Nov 09, 2008</b>		Title: <b>Runway Lights PWB Artwork Normal</b>



Drawn By: <b>Gerald Crenshaw WD4BIS</b>	Date: <b>Nov 09, 2008</b>	From the bench of: <b>Amateur Radio Station WD4BIS</b>	Page <b>1</b>
Engineer: <b>Gerald Crenshaw WD4BIS</b>	Date: <b>Nov 09, 2008</b>		of <b>1</b>
Checked By: <b>Janet Crenshaw WB9ZPH</b>	Date: <b>Nov 09, 2008</b>	Title: <b>Runway Lights PWB Componet Placement</b>	