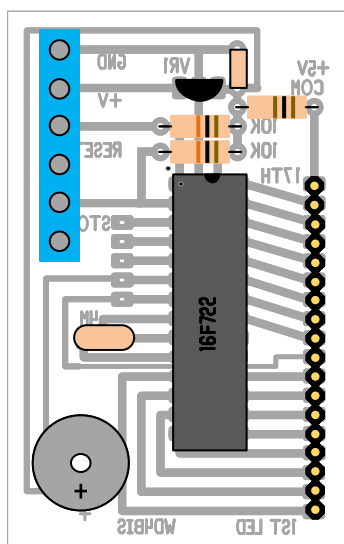


Game of Timing PCB
Copper side



Game of Timing PCB
Component side with parts placement

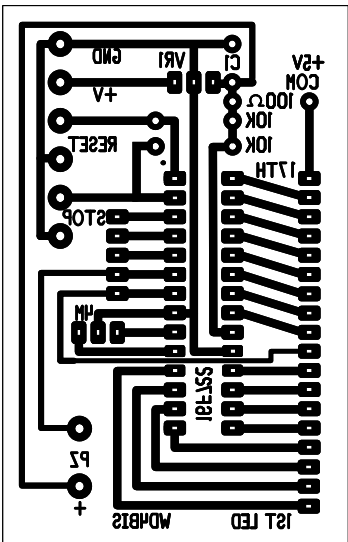
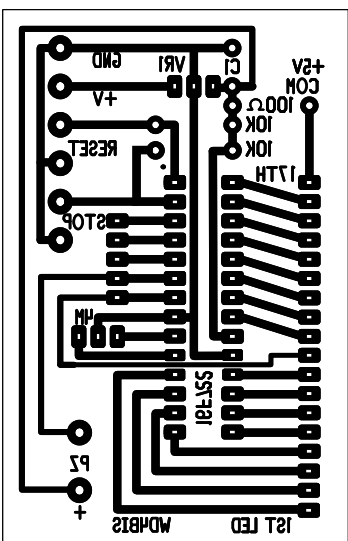
Date:	Revision/Addition/ Note	By:
Apr. 29, 2019	Initial Drawing.	GSC
Apr. 29, 2019	This will blink a sequence of 17 LEDs back and forth. LEDs 8,9, and 10 will be Green and the rest of the LEDs another color. When the stop button is pressed, it will halt the sequence for about 4 seconds. The intent is to stop the sequence in the "Green" range. Pressing reset will start the sequence from the beginning. Software Game722.hex	GSC
Apr. 30, 2019	Software Game722.hex. Software working, played with the timing and settled on .06 seconds for the "ON" time of the LED's.	GSC
May. 1, 2019	Changed stop time to 4 seconds. Added option in software of a Piezo element to make a beep when middle Green LED is lit.	GSC
May. 2, 2019	Added Piezo element to artwork. Updated component placement for the Piezo element. The CEP-2242 piezo element is polarity dependent.	GSC
May 15, 2019	Artwork proved out.	GSC

Drawn By: Gerald Crenshaw WD4BIS	Date: Apr. 29, 2019
Designed By: Gerald Crenshaw WD4BIS	Date: Apr. 29, 2019
Checked By: Janet Crenshaw WB9ZPH	Date: Apr. 29, 2019

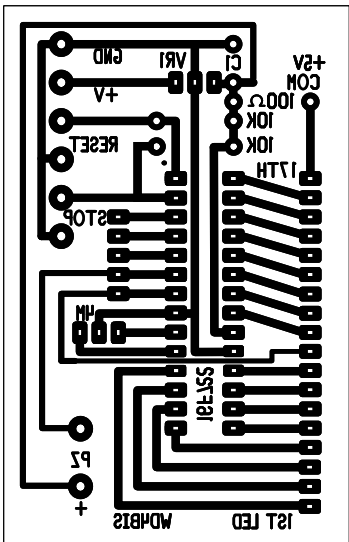
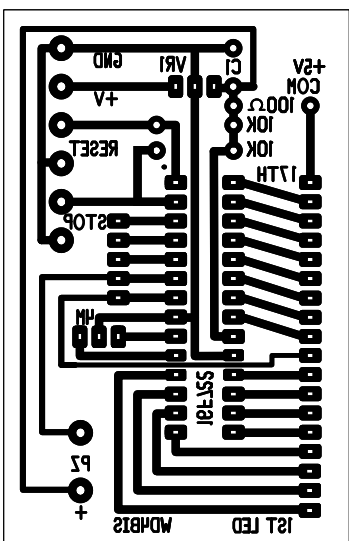
From the bench of: Amateur Radio Station WD4BIS	Page 1 of 1
Title: Game of Timing V1	Scale: 1:1

GND D+ D- Drawn Text +13V +5V
 ABCDEFGHIJKLMNOPQRSTUVWXYZ Ω
 0011223456789 /+-.IN OUT WD4BIS

Print
Check
.5"x.5"



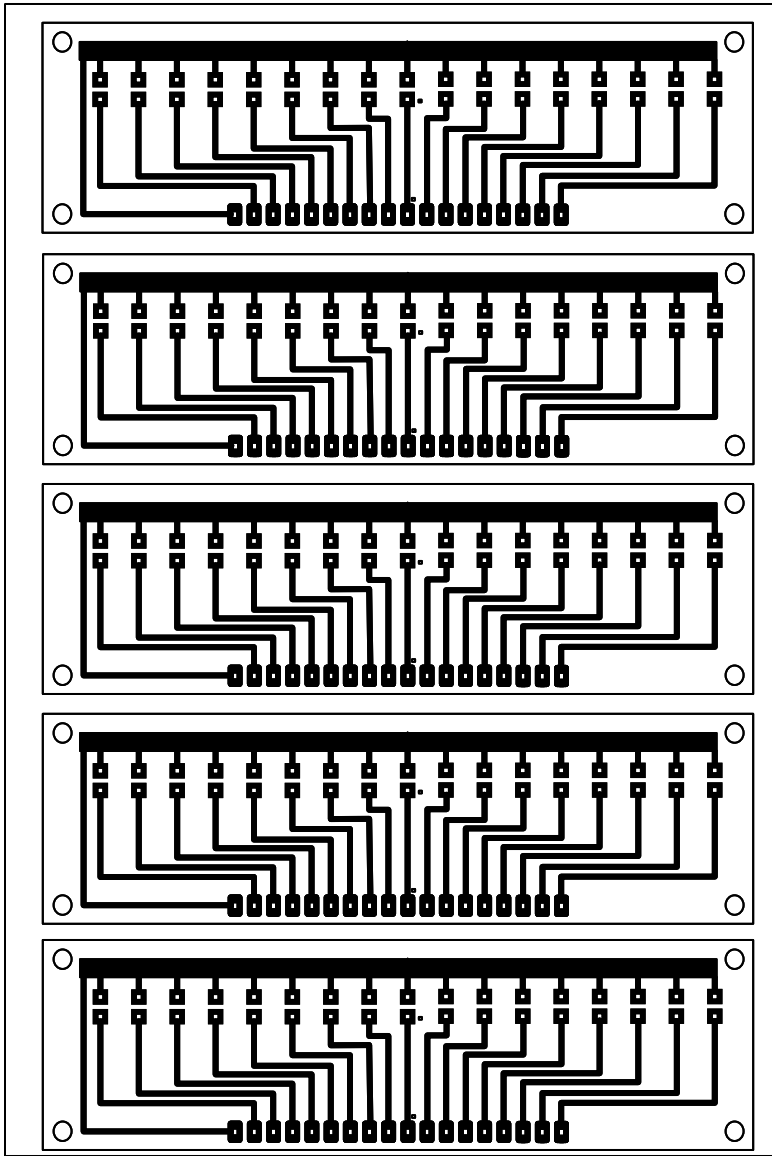
Mirror Image



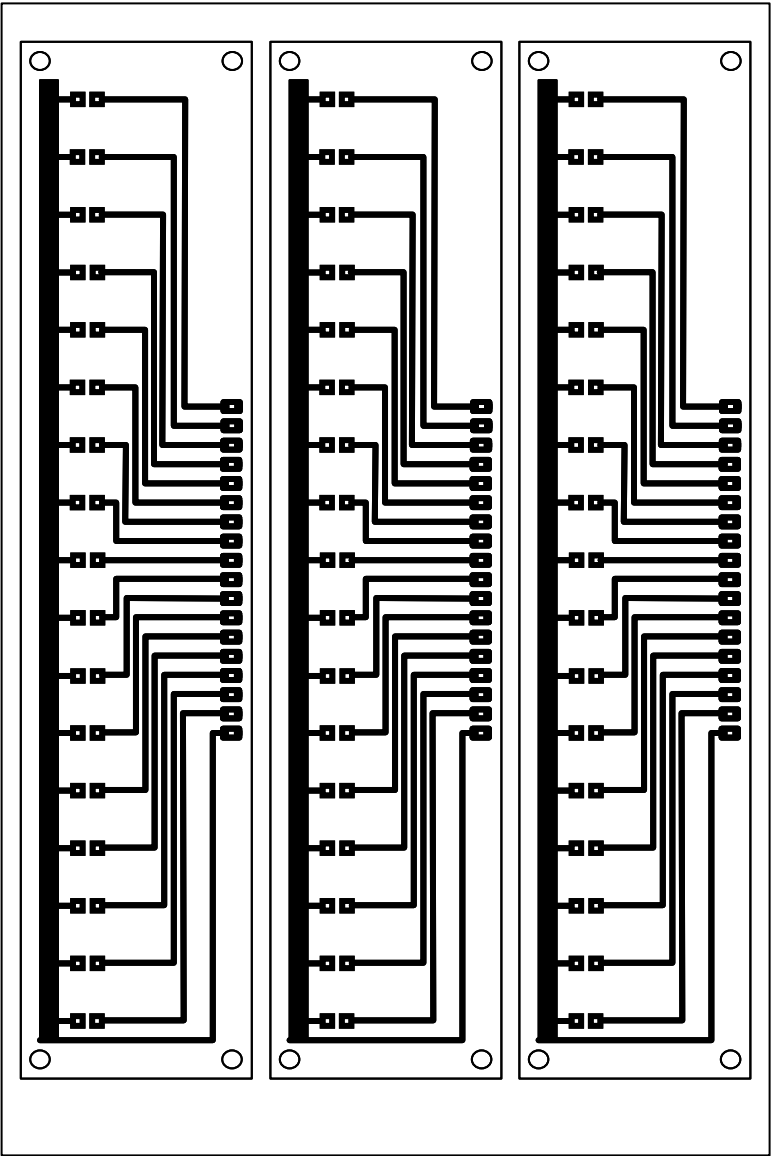
Mirror Image

Group art and flip horizontal for mirror image. Print to HP Laserjet P3005,
Staples Color Laser Paper, SKU 633215
Paper/Quality Pro Res 1200 DPI
Heat press, 300 degrees F for 150 seconds. (2.5 min.)

From the bench of: Amateur Radio Station WD4BIS		Page 1 of 1
Title:	Game of Timing, PCB Group and Dupe	
		Scale: 1:1



Mirror Image



Mirror Image

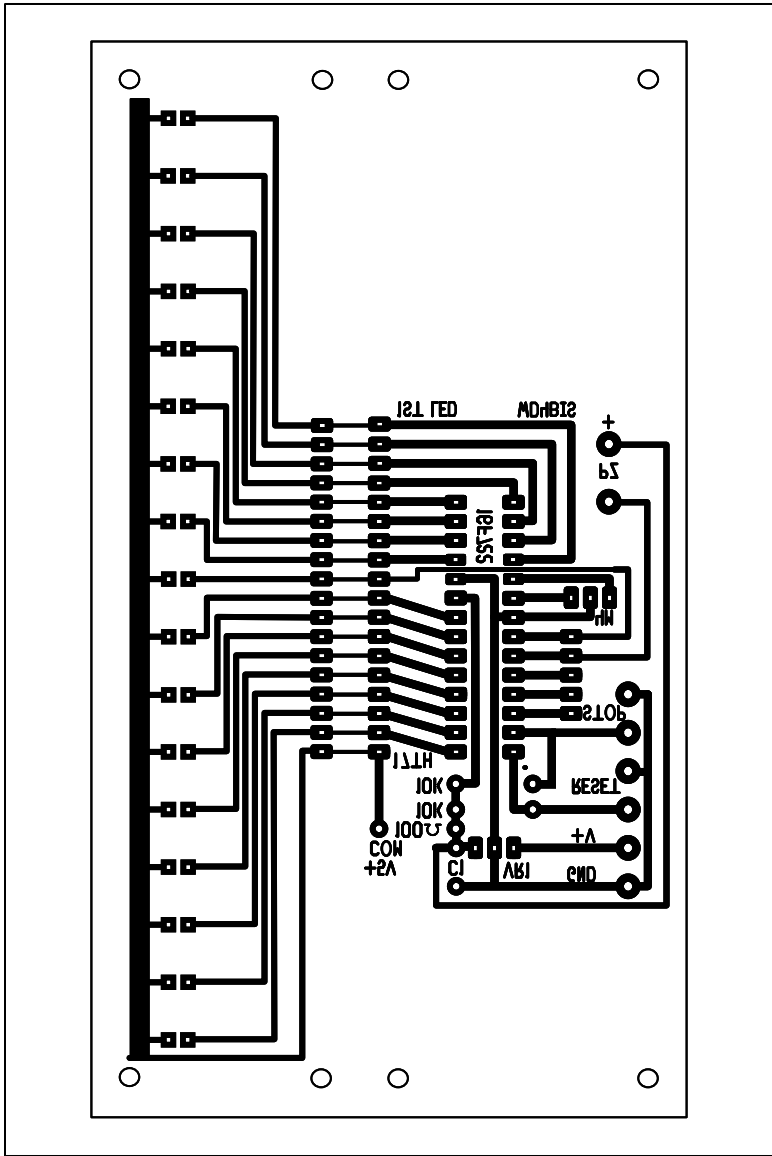
Date:	Revision/Addition/ Note	By:
May. 3, 2019	Initial Drawing.	GSC
May. 3, 2019	The copper board stock I can get now is sized 4"x6". Group and dupe for that sized copper stock.	GSC
May 15, 2019	Artwork proved out.	GSC

Group art and flip horizontal for mirror image. Print to HP Laserjet P3005, Staples Color Laser Paper, SKU 633215
 Paper/Quality Pro Res 1200 DPI
 Heat press, 300 degrees F for 150 seconds. (2.5 min.)

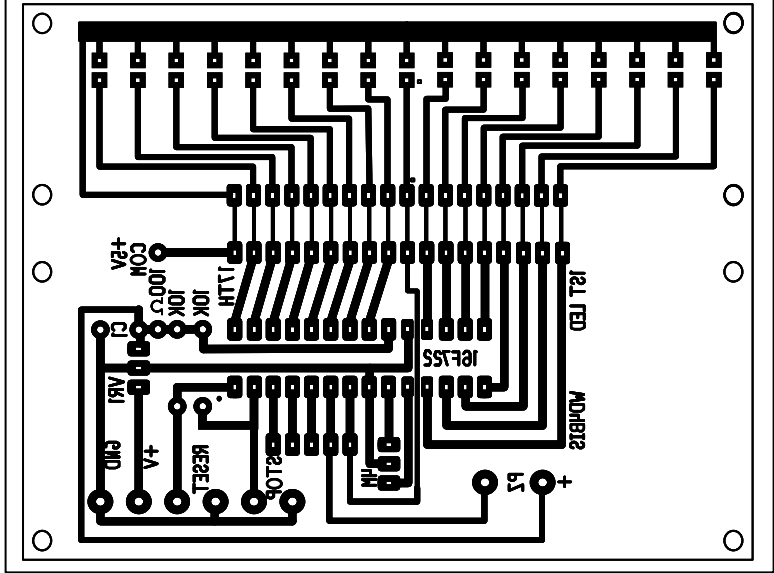
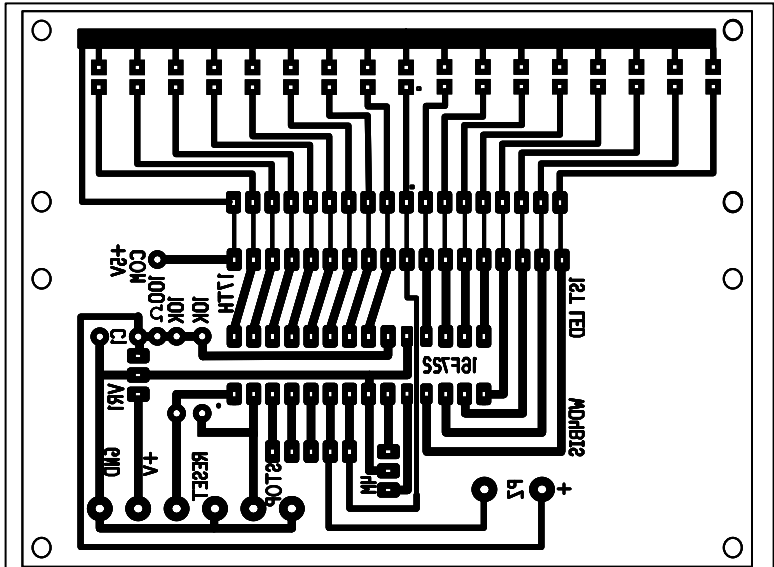
GND D+ D- Drawn Text +13V +5V
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 0011223456789 /+-.IN OUT WD4BIS

Print
 Check
 .5"x.5"

Drawn By: Gerald Crenshaw WD4BIS	Date: Apr. 29, 2019	From the bench of: Amateur Radio Station WD4BIS	Page of 1 1
Designed By: Gerald Crenshaw WD4BIS	Date: Apr. 29, 2019	Title: Game of Timing V1, LED PCB's Group and Dupe	Scale: 1:1
Checked By: Janet Crenshaw WB9ZPH	Date: Apr. 29, 2019		



Mirror Image



Mirror Image

Date:	Revision/Addition/ Note	By:
May 3, 2019	Initial Drawing.	GSC
May 3, 2019	The copper board stock I can get now is sized 4"x6". Group and dupe for that sized copper stock.	GSC
May 15, 2019	Artwork proved out.	GSC

Group art and flip horizontal for mirror image. Print to HP Laserjet P3005, Staples Color Laser Paper, SKU 633215
 Paper/Quality Pro Res 1200 DPI
 Heat press, 300 degrees F for 150 seconds. (2.5 min.)

GND D+ D- Drawn Text +13V +5V
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 0011223456789 /+-.IN OUT WD4BIS

Print
 Check
 .5"x.5"

Drawn By: Gerald Crenshaw WD4BIS	Date: Apr. 29, 2019	From the bench of: Amateur Radio Station WD4BIS	Page 1 of 1
Designed By: Gerald Crenshaw WD4BIS	Date: Apr. 29, 2019	Title: Game of Timing V1, Combined Boards Group and Dupe	Scale: 1:1
Checked By: Janet Crenshaw WB9ZPH	Date: Apr. 29, 2019		