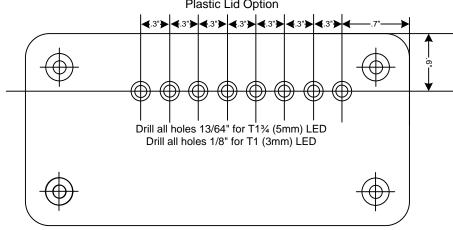
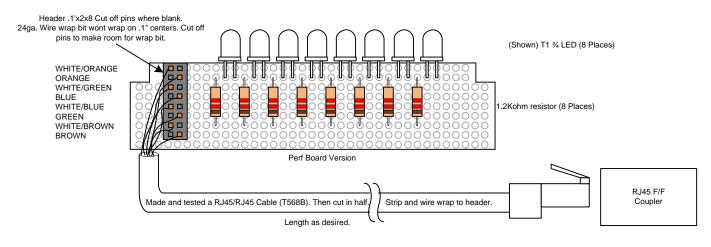


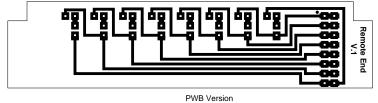
| Date: | Revision/Addition/ Note | 9 | By: | | | |
|--|---|---|------------|--|------------------------------|---------------------------|
| Oct.19,2016 | Initial Drawing | | GŠC | | | |
| Oct.19,2016 | Current limit resistor will depend on the LE depending on the brightness and LED you | | GSC | | | |
| Oct.19,2016 | Oct.19,2016 At boot up, Hold all PortB pins low. Then start at PortB.0 and take them High one at a time. The local test will light each LED per pin that has continuity. The LED for the cable pin under test at the remote end will get its ground from another wire. But that also means that for any bad connection, 2 LEDS wont light. But if you have one bad pin, you are going to replace the connector anyway. | | GSC | | | |
| Oct.19,2016 | Added a switch and software for a Fast Sca Slow Scan (.5 Sec per port) of all ports . | ` , | GSC | | | |
| Oct.19,2016 | Reserving PortA.0 for a LCD serial display t date. | o be used at a later | GSC | | | |
| Oct.20,2016 | Software RJ45CBTR.hex (version 1) | | GSC | | | |
| Oct. 28,2016 | Added activity light on Port A.1, changed so the Local TX LED's now if desired. Software Added connector to switches and battery. A of both JST HX(.1" or 2.54mm) or JST PH (.0 connectors. | RJ45CBTR11.hex. | GSC | | LP2950ACZ-5.0 78L05 78M05 | |
| Nov.10,2016 | At boot up, the program makes one check of slow scan switch. If the switch is changed it scan, the program will have to run through steps before it picks up the change of state | n the middle of the the rest of the scan | GSC | Anode (+) Cathode(-) Long Leg Short Leg Flat side of package | Out IN Gnd (Case) | Print Check .5"x.5" |
| Drawn By: Ger | ald Crenshaw WD4BIS | Date: Oct. 19, 20 |)16 | | the bench of: | Page 1 |
| Designed Gerald Crenshaw WD4BIS Date: Oct. 19, 20 | |)16 | Amateur Ra | adio Station WD4BIS | Scale: None | |
| | et Crenshaw WB9ZPH | Date: Oct. 19, 2016 | | Simple RJ45 cable tester with remote | | |

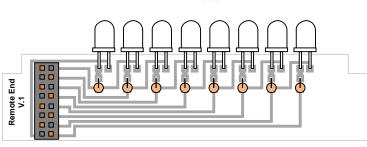
Date:

Radio Shack 4"x2"x1" 270-1802 Project Enclosure Plastic Lid Option









| Remote Test |
|--------------|
|)(8) 1.2K |
|)(7) M 1.2K |
|)(6) 1.2K |
|)(5) 1.2K |
|)(4) 1.2K |
|)(3) 1.2K |
|)(2) 1.2K |
|)1.2K |

| Date: | Revision/Addition/ Note |) | By: | | |
|---------------|--|-------------------|-----|--|--|
| Oct. 24, 2016 | Initial Drawing: See drawing Radio Shack 4x2x1 Project Enclosure for reference. | | | | |
| Oct. 24, 2016 | Found it was faster and easier to make and test a RJ45/RJ45 cable then cut it in half. Add a RJ45/RJ45 F/F coupler to end rather than use a RJ45 socket on the perf board. Also made machining easier as I did not have to mill out a RJ45 socket hole. Center then drill a '%' hole on one end of enclosure. Pass cable | | | | |
| | through hole, strip, then wire wrap to heade | r. | GSC | | |
| Oct. 24, 2016 | Remote prototype worked and very sturdy. | | GSC | | |
| Oct. 24, 2016 | battery. Have some new enclosures on the way so the main unit | | GSC | | |
| Nov.7, 2016 | so surface mount resistors can be used if desired. | | | | |
| Drawn Ger | ald Crenshaw WD4BIS | Date: Oct. 24, 20 | 16 | | |
| Designed Ger | ald Crenshaw WD4BIS | Date: Oct. 24, 20 |)16 | | |

Checked Janet Crenshaw WB9ZPH

| Anode (+) | Cathode(-) |
|-----------|--------------|
| Long Leg | Short Leg |
| | Flat side of |
| | package |

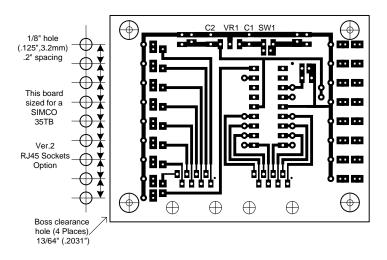
Title:

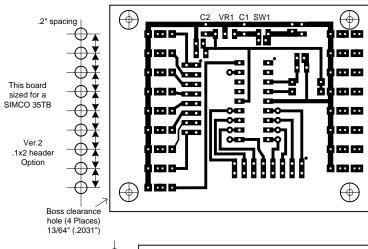
Oct. 24, 2016

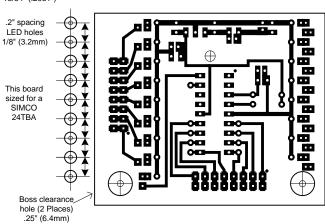
Print Check .5"x.5"

| <u> </u> | | |
|------------------------------|--------|-----|
| From the bench of: | Page | 2 |
| Amateur Radio Station WD4BIS | of | 6 |
| | Scalo: | 1.1 |

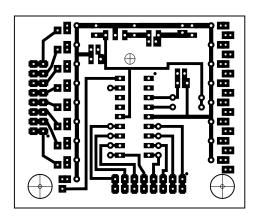
Simple RJ45 cable tester. Remote End

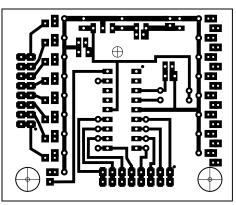


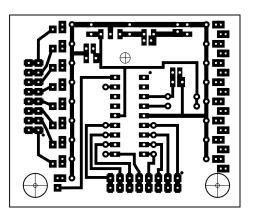


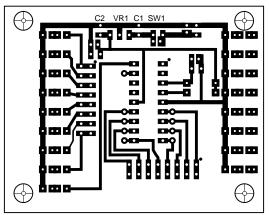


| Date: | Revision/Addition/ Note | | By: | | |
|--------------------|---|---------------------------------------|-----|---|----------|
| Oct.29, 2016 | , , , , , | | GŚC | | |
| plastic enclosure. | | | | | |
| Oct.29, 2016 | | | GSC | | |
| | and got 2.0mm. Putting in the option on the bo | | | | |
| | connectors. Have ordered the 2.0mm plugs to | | GSC | | |
| Oct.29, 2016 | | | 630 | | |
| | holes for rectangular LED's but too time consi equipment I have. | uming with the | | RS-275-0409 | |
| Oct.29, 2016 | Will have to add 8 jumpers from the chip to the | e local TY I FDs if | GSC | .76" | |
| 001.23, 2010 | equipped. | e local TX LLD3 II | 000 | | |
| Oct.31, 2016 | Used same base board but sized to fit in a SIN | ICO 24TBA | GSC | | |
| Nov. 5, 2016 | Artwork proved out for board in SIMCO 24TBA | | GSC | | |
| , | well. | | | | |
| Nov. 5, 2016 | Added Radio Shack switch outline for reference | ce. | GSC | | |
| Nov. 7, 2016 | Added art for a 5V output connector option for | r LCD Display. | GSC | | |
| | Added art to Pin 17 (Port A.0) for LCD display | /. Fixed a couple of | | 1 | |
| | dimensional issues. | | | | |
| Nov.18, 2016 | | box.com/uploads/ | | 25" | Print |
| | files/24tba.pdf | | | Drill 4, 1/16" holes as shown. Drill center holes to 1/8" | Check |
| | Drawing for SIMCO 35TBA https://www.simco | box.com/uploads/ | | Trim out material to square to pass slide. Use #2 | .5"x.5" |
| | files/35tb.pdf | | | hardware to secure. | |
| Drawn Cor | rald Crenshaw WD4BIS | Oct. 29, 20 | 116 | From the bench of: Page | 3 |
| | ald Crenshaw WD4bi3 | 001. 29, 20 | 710 | 4 | ام |
| Designed | ald Crenshaw WD4BIS | oate: Oct. 29, 20 |)16 | 101 | |
| By: OCI | aid Ciclistiaw WD4DIO | · · · · · · · · · · · · · · · · · · · | | Title: Simple B 145 apple tooter Master BCB | ale: 1:1 |
| I Checked Jan | et Crenshaw WB9ZPH | Oct. 29, 20 |)16 | Simple RJ45 cable tester. Master PCB | |
| By: | | -, - | | I . | |









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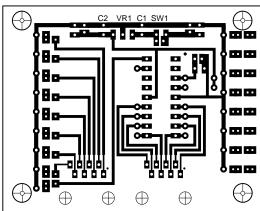
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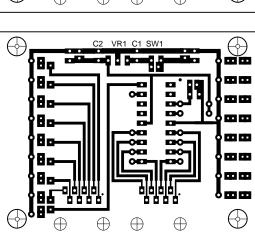
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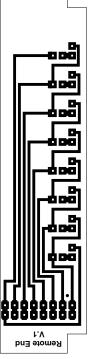
.. ..

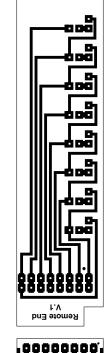
600

000



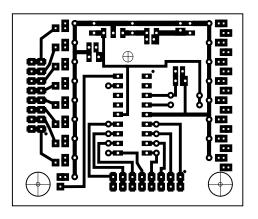


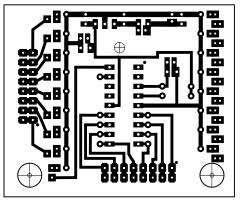


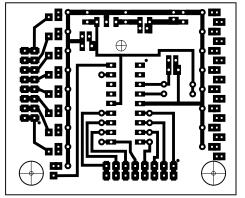










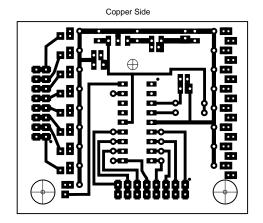


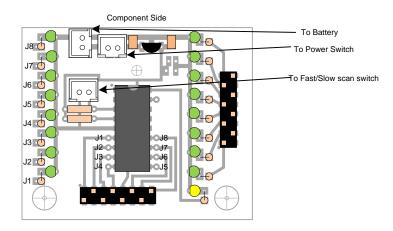
| Date: | Revision/Addition/ Note | | | | |
|-----------------------------|---|----------------------|------------|--|--|
| Oct.31, 2016 Nov.8, 2016 | Print to laser printer, mirror image. Paper sharried various times and temperatures on the 350 degrees for 5 minutes (300 seconds) wo | heat press transfer. | GSC GSC | | |
| Drawn Ger | Corold Cronchow WINDER Pale (10t 31 7) | | | | |
| Designed Ger | ald Crenshaw WD4BIS | Date: Oct. 31, 20 |)16 | | |
| Checked Jan | et Crenshaw WB9ZPH | Date: Oct. 31, 20 |)16 | | |

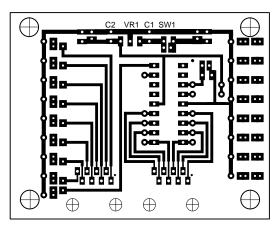
| 1 Visio LineV | Veights/Sizes 9 |
|---------------|--------------------|
| 3 | 13 |
| 5 | 17 |

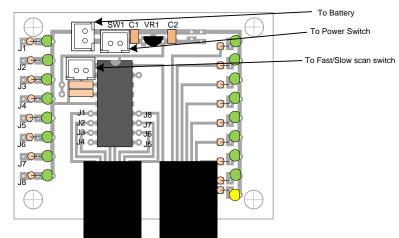
Print Check .5"x.5"

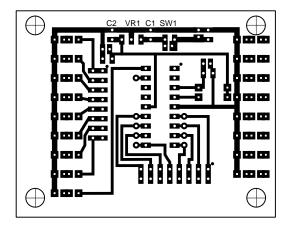
| ı | From the bench of: | Page | 4 |
|---|---|--------|-----|
| 1 | Amateur Radio Station WD4BIS | of | 6 |
| | Title: Simple RJ45 cable tester. PCB Group an | d Dupe | 1:1 |

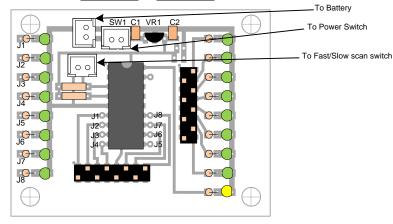








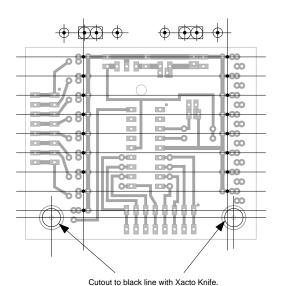




| Date: | Revision/Addition/ Note | By: |
|----------------------------|---|------------|
| Nov 1, 2016 Nov 1, 2016 | Initial drawing. Jumper J1-J1 J8-J8, if local TX LEDS are going to be equipped. | GSC GSC |
| Drawn - | Deter N. 4.00 | |

Print Check .5"x.5"

| Drawn Bv: Gera | ald Crenshaw WD4BIS | Date: Nov. 1, 20 |)16 | From the bench of: | Page | 5 |
|-------------------|----------------------|------------------|-----|--|----------|------------------|
| | ald Crenshaw WD4BIS | Date: Nov. 1, 20 |)16 | Amateur Radio Station WD4BIS | of | 6 |
| | et Crenshaw WB9ZPH | Date: Nov. 1. 20 | | Title: Simple RJ45 cable tester. PCB Component | Placemen | 1:1 1t |
| By. Jan | or Oronomaw wbozi ii | INOV. 1, 20 | ,10 | , · · · · · · · · · · · · · · · · · · · | | |



Place Template face up. Place the cut outs over the mounting bosses in top of enclosure.(Non battery compartment side) of SIMCO 24TBA.

Tape with scotch tape the paper to enclosure.

Center Punch LED and switch holes only through paper and into plastic.

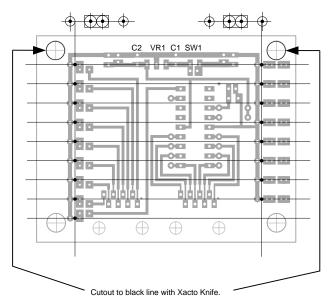
Drill starter holes #60 at center punch dimples for the holes you are going to equip.

Drill all starter holes out to 1/16".

Drill Switch holes (center holes only) 1/8".

Drill LED holes that you are going to equip 1/8".

Drill switch mounting holes 3/32" Use #2 hardware to mount. #4 nuts will not allow the switch to make a full travel.



Place Template face up. Place the cut outs over the mounting bosses in top of enclosure.(Non battery compartment side) of SIMCO 35TB.

Tape with scotch tape the paper to enclosure.

Center Punch LED and switch holes only through paper and into plastic.

Drill starter holes #60 at center punch dimples for the holes you are going to equip.

Drill all starter holes out to 1/16".

Drill Switch holes (center holes only) 1/8".

Drill LED holes that you are going to equip 1/8".

Drill switch mounting holes 3/32" Use #2 hardware to mount. #4 nuts will not allow the switch to make a full travel.

| Date: | Revision/Addition/ Note | By: |
|----------------------------|--|------------|
| Nov 2, 2016 Nov 2, 2016 | Initial Drawing Added marking and drilling instructions after machining one of the SIMCO 24TBA enclosures. | GSC GSC |
| | | |
| | | |
| | | |

Print Check .5"x.5"

| Drawn By: Gerald Crenshaw WD4BIS | Date: Nov. 2, 2016 | From the bench of: | Page 6 |
|----------------------------------|--------------------|--|--------------------|
| Designed Gerald Crenshaw WD4BIS | Date: Nov. 2, 2016 | Amateur Radio Station WD4BIS Title: | of 6 Scale: 1:1 |
| Checked Janet Crenshaw WB9ZPH | Date: Nov. 2, 2016 | Simple RJ45 cable tester. Enclosure Drilling | g Template |