

AUTOMATIC SWR METER DESIGN  
PRINCIPLE SCHEMATIC WITH "ATU"

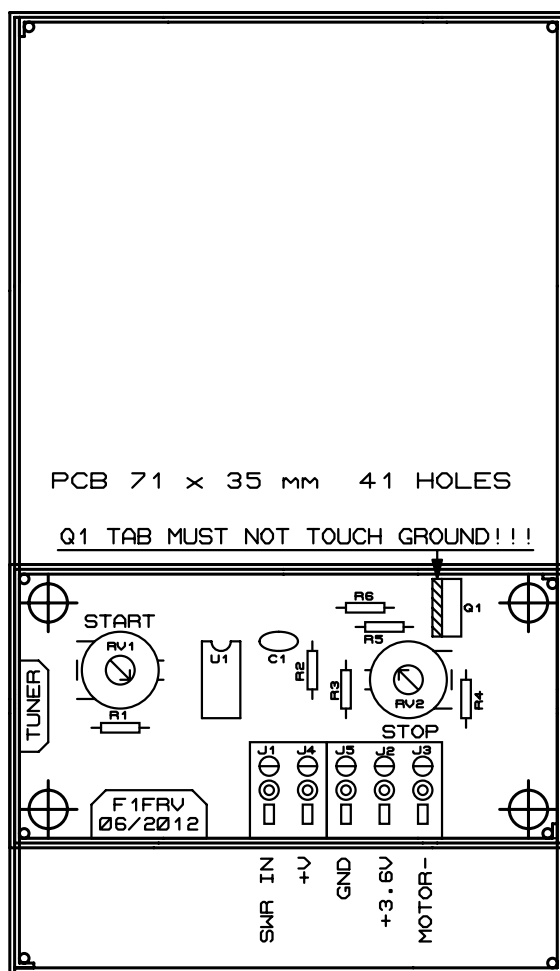


## SEMI AUTOMATIC TUNING UNIT ADJUSTEMENT PROCEDURE

CONNECT +V & +3.6V TO SWR METER CIRCUIT  
CONNECT SWR INPUT J1 TO SWR METER OUTPUT J1  
ADJUST RV1 FOR MOTOR START OVER PRESET HIGH SWR  
ADJUST RV2 FOR MOTOR STOP ON PRESET LOW SWR  
MOTOR DRIVES VARIABLE CAPACITOR IN TUNING UNIT  
AND WILL STOP WHEN LOW SWR IS REACHED

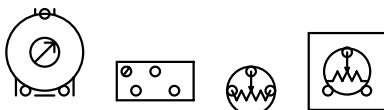
THAT'S ALL FOX !!!!!!!!!!!!!

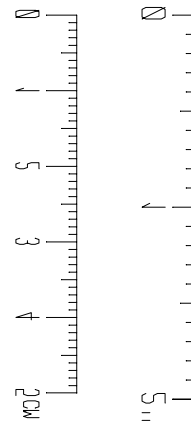
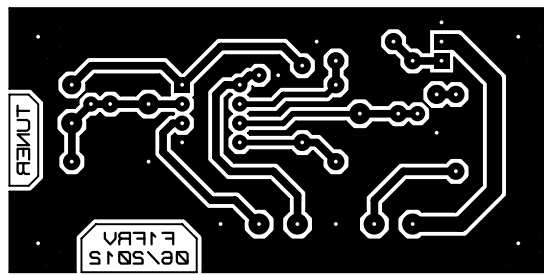
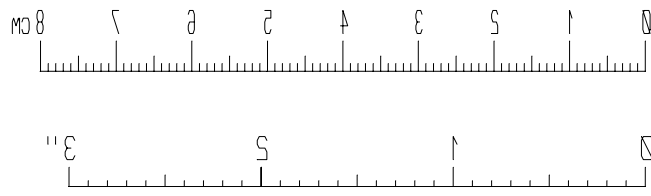
SCHUBERT TINY BOX 74x111 FOR AUTO SWR + SEMI-AUTO TUNER



SCHUBERT TINY BOX 74x55 FOR SEMI-AUTO TUNER ONLY

THESE TYPES OF VARIABLE  
RESISTORS CAN BE USED





# BILL OF MATERIALS (Default)

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Design: SEMI AUTOMATIC TUNER DESIGN

Doc. no.: AMATEUR RADIO

Revision: 5

Author: flfrv@sfr.fr

Created: 23/01/04

Modified: 10/06/12

Partslist generated OK.

QTY	PART-REFS	VALUE
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## Resistors

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2	R1,R2	1k
1	R3	100k
3	R4,R5,R6	10k

## Capacitors

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1	C1	100nF
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## Integrated Circuits

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1	U1	LM358N
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## Transistors

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1	Q1	IRF520
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## Miscellaneous

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2	RV1,RV2	10k
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