

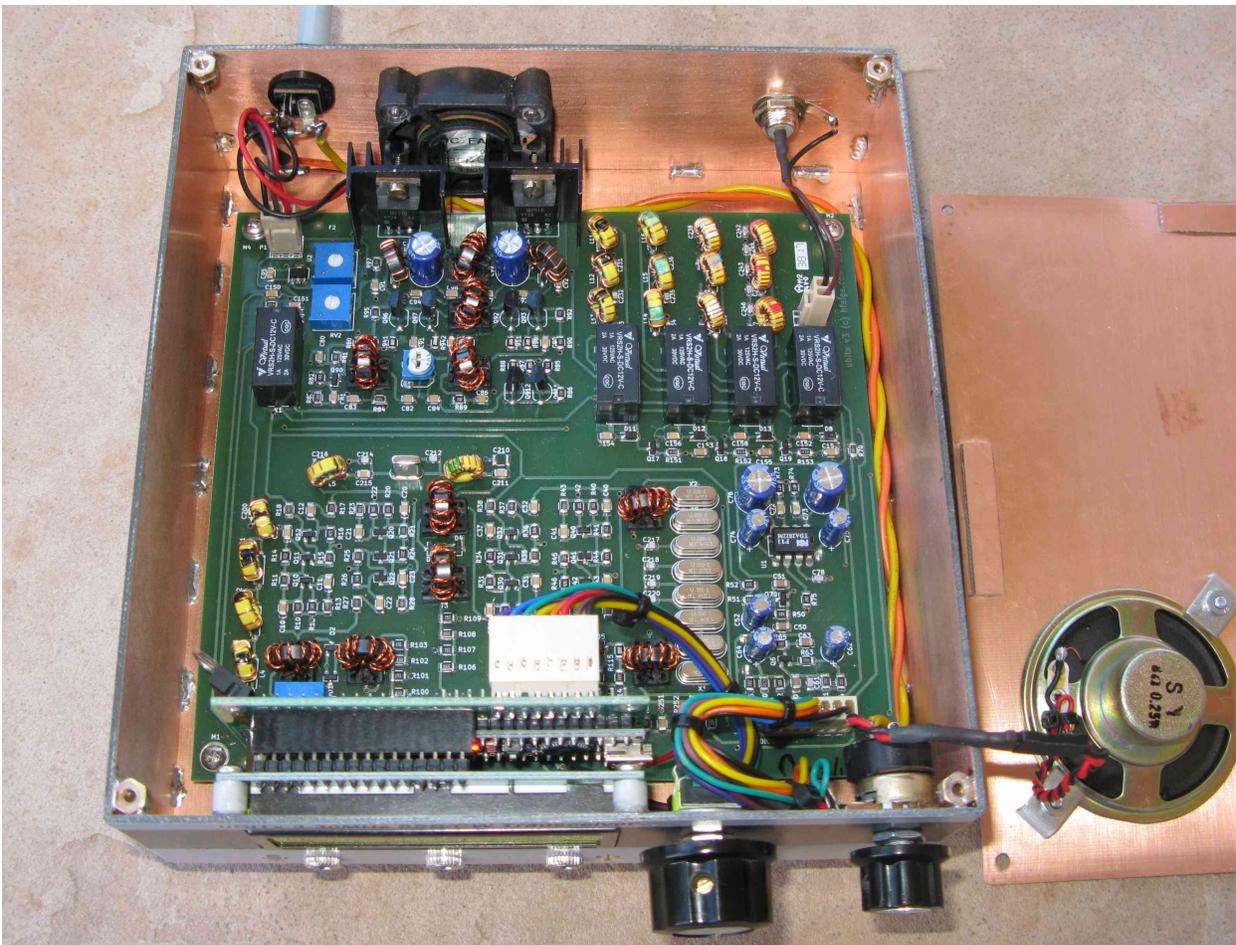
## WA4MNT uBITx pcb fabricated chassis

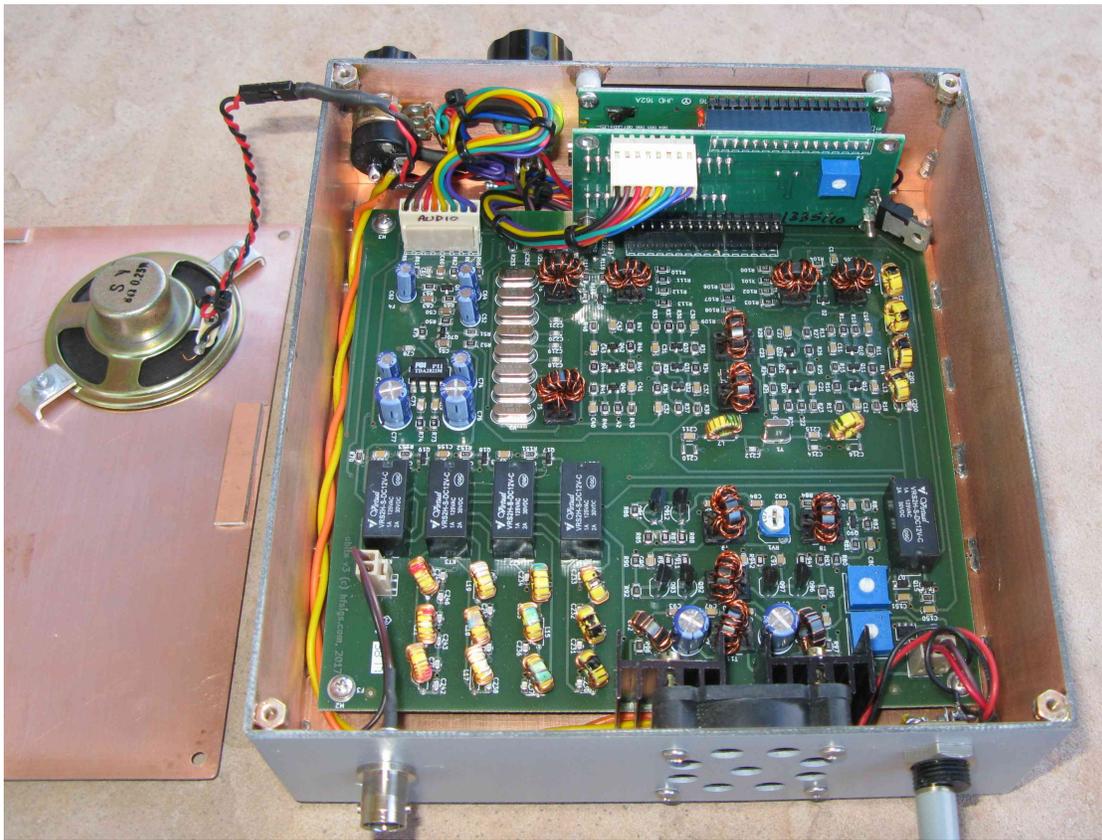


This document shows how I packaged my uBITx using pcb material. Details on how to use this technique and be found on the document "*How to fabricate a chassis from copper clad PCB material*" at [www.qrpbuilder.com](http://www.qrpbuilder.com). Some details of the particular fan and speaker will be specific to what you have on hand, or can easily obtain.

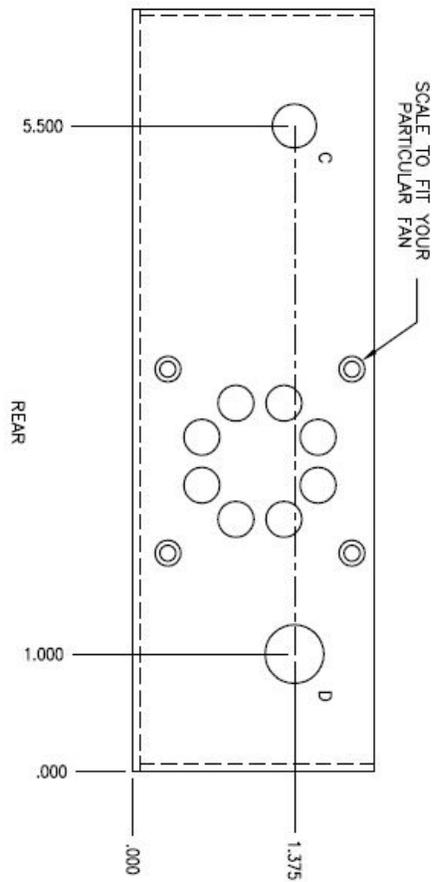
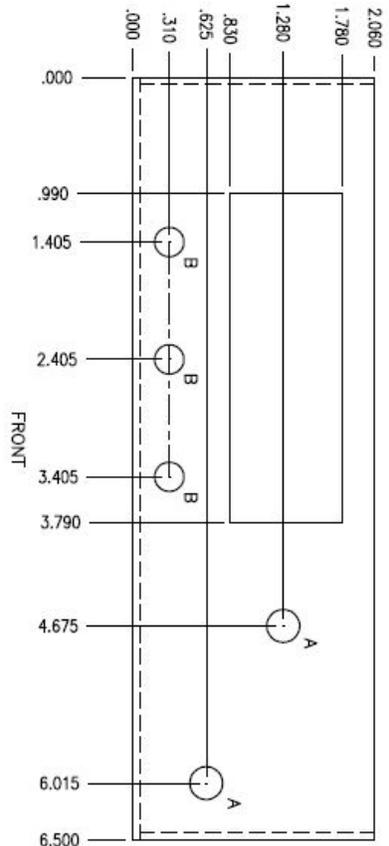
The cutout for the display aligns with the pcb/readout without modifications and is flush with the front surface. It is stabilized to the front of the chassis with two aluminum standoffs attached to the inside of the chassis with epoxy. I used inexpensive knobs from [www.tayda.com](http://www.tayda.com)

Ken – wa4mnt





REVISIONS		
REV	DESCRIPTION	DATE
INITIAL RELEASE		12/26/17



CHASSIS BOTTOM

2pcs. - 6.500 X 6.875 - TOP  
 2pcs. - 6.500 X 6.750 - BOTTOM  
 2pcs. - 6.500 X 2.060 - FRONT/BACK  
 2pcs. - 6.750 X 2.000 - SIDES

HOLE LEGEND  
 A -  $\phi$ .281  
 B -  $\phi$ .250  
 C -  $\phi$ .375  
 D -  $\phi$ .500  
 E -  $\phi$ .125, CSK  $\phi$ .220 X 8Z  
 F -  $\phi$ .125

MATERIAL - .06 THK. FR4 COPPER CLAD DOUBLE SIDE PC BOARD MATERIAL  
 FOR PCB CHASSIS FABRICATION TECHNIQUES, VISIT:  
<http://www.qrpbuilder.com>

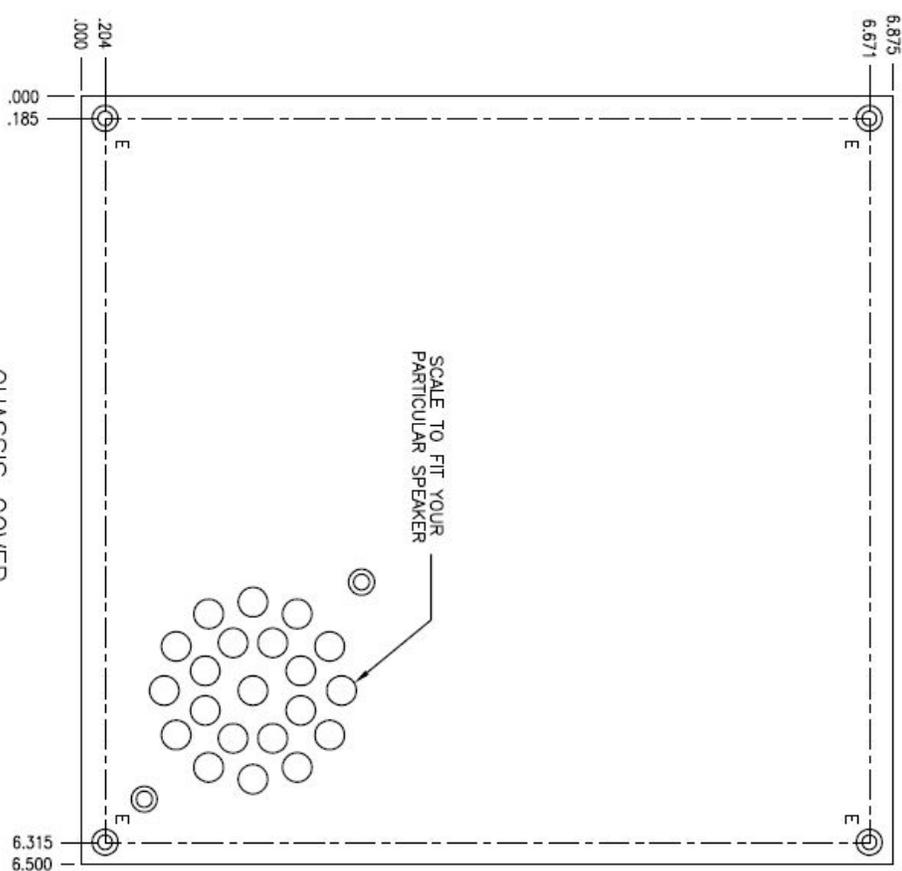
UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES ARE:  
 FRACTIONS DECIMALS ANGLES  
 $\pm 1/32$  .XX  $\pm$  .015  $\pm 1^\circ$   
 .XXX  $\pm$  .005  
 SURFACE FINISH  $\sqrt{\quad}$   
 BREAK EDGES .005-.020  
 RADIUS OR CHAMFER

**QRBuilder**  
 WWW.QRPBUILDER.COM

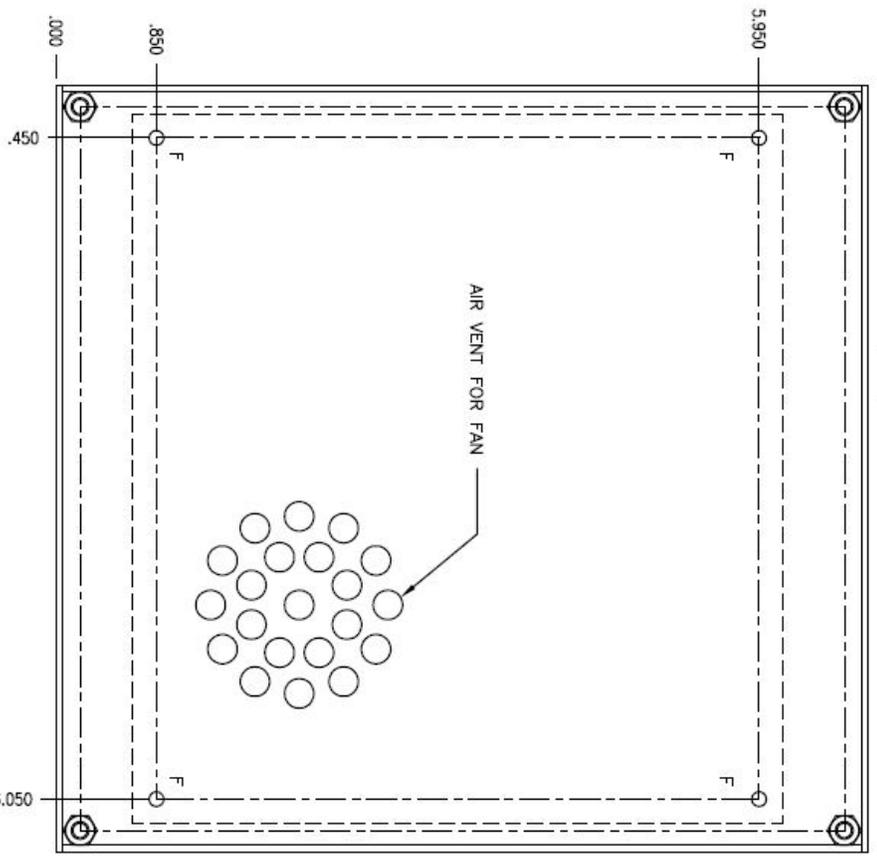
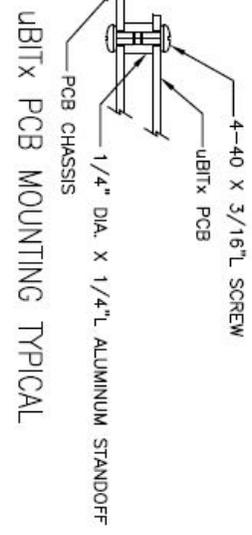
TITLE: UBITx PCB MATERIAL CHASSIS

DRAWN	WA4MNT	SCALE	DATE
SHEET	1 OF 2	REF.	DWG.# UBITx01

REVISIONS		
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CHASSIS COVER



MATERIAL - .06 THK. FR4 COPPER CLAD DOUBLE SIDE PC BOARD MATERIAL  
FOR PCB CHASSIS FABRICATION TECHNIQUES, VISIT:  
<http://www.qrpbuilder.com>

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
FRACTIONS DECIMALS ANGLES  
± 1/32 .XX ± .015 ± 1°  
.XXX ± .005  
SURFACE FINISH  
BREAK EDGES .005-.020  
RADIUS OR CHAMFER

<b>QRPBUILDER</b> WWW.QRPBUILDER.COM	
TITLE	UBITx PCB MATERIAL CHASSIS
DRAWN	WA4MNT
SHEET	2 OF 2
SCALE	REF.
DATE	12/26/17
DWG.#	UBITx01

