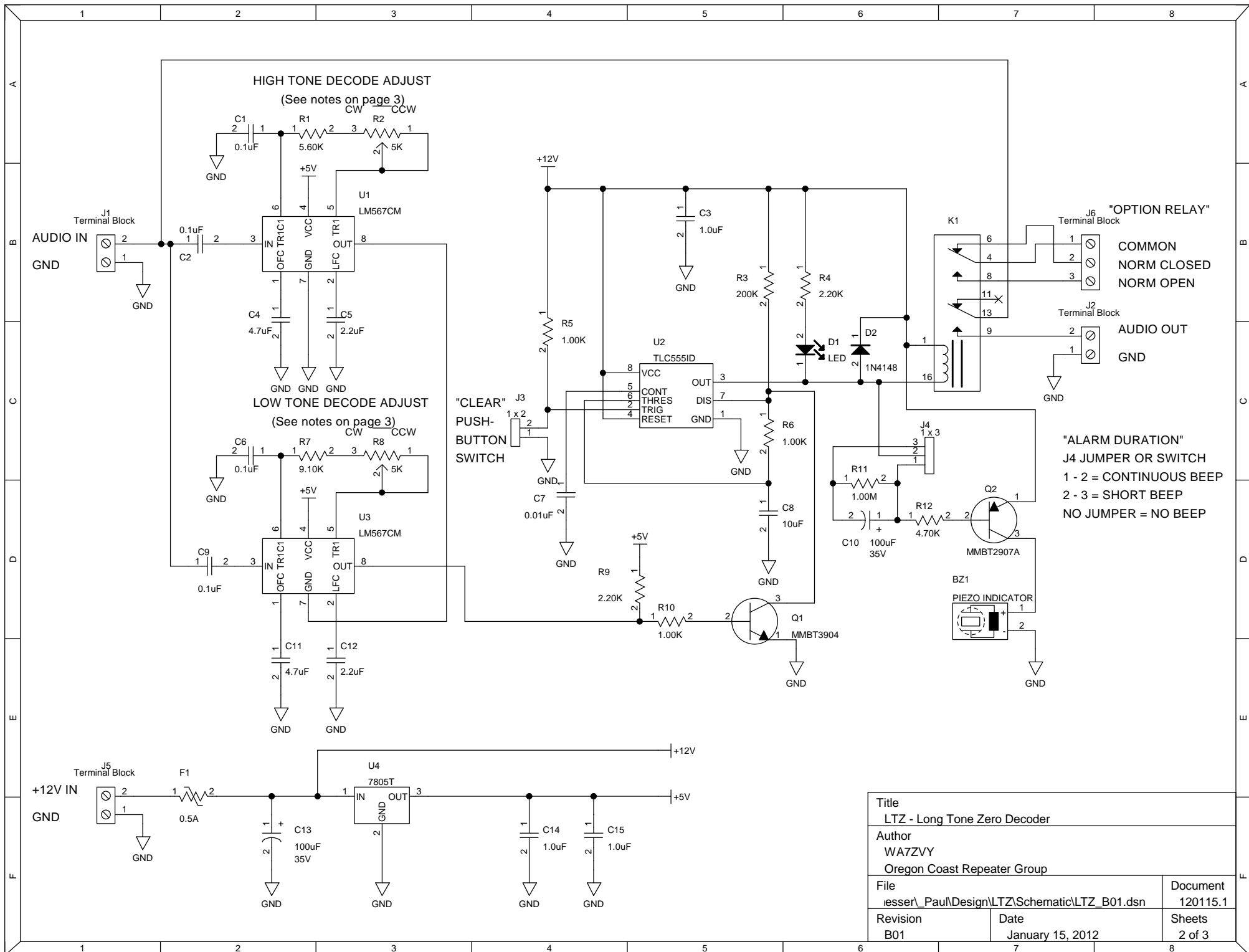


1	2	3	4	5	6	7	8	
A								A
B								B
C								C
D								D
E								E
F								F
<div>LTZ - Long Tone Zero Decoder</div>								

LTZ - Long Tone Zero Decoder

Title LTZ - Long Tone Zero Decoder		
Author WA7ZVY Oregon Coast Repeater Group		
File esser\ Paul\Design\LTZ\Schematic\LTZ_B01.dsn	Document 120115.1	
Revision B01	Date January 15, 2012	Sheets 1 of 3



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Revision B01	Date January 15, 2012	Sheets 2 of 3



BOM\_1  
CABINET 4.00" x 2.88" x 1.56"



BOM\_2  
CABINET LID



BOM\_3  
SCREW 4-40 x 0.500"



BOM\_4  
SCREW 4-40 x 0.500"



BOM\_5  
SCREW 4-40 x 0.500"



BOM\_6  
SCREW 4-40 x 0.500"



BOM\_7  
BUMPON



BOM\_8  
BUMPON



BOM\_9  
BUMPON



BOM\_10  
BUMPON



BOM\_11  
SCREW 4-40 x 0.500"



BOM\_12  
SCREW 4-40 x 0.500"



BOM\_13  
SCREW 4-40 x 0.500"



BOM\_14  
SCREW 4-40 x 0.500"



BOM\_15  
HEX NUT 4-40



BOM\_16  
HEX NUT 4-40



BOM\_17  
HEX NUT 4-40



BOM\_18  
HEX NUT 4-40



BOM\_19  
NYLON SPACER #4 x 0.25"



BOM\_20  
NYLON SPACER #4 x 0.25"



BOM\_21  
NYLON SPACER #4 x 0.25"



BOM\_22  
NYLON SPACER #4 x 0.25"



BOM\_23  
SWITCH - PUSH BUTTON



BOM\_24  
SWITCH TOGGLE SPDT (on-off-on)



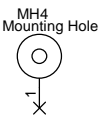
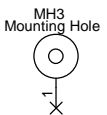
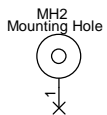
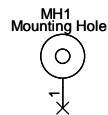
BOM\_25  
SHORTING BLOCK



BOM\_26  
SPEAKER 8 OHM 2W



BOM\_27  
SWITCH TOGGLE SPST (on-off)



#### ALTERNATE TONE DETECTION RESISTOR VALUES

FREQ(Hz)	1209	1336	1477	1633
697	1	2	3	A
770	4	5	6	B
852	7	8	9	C
941	*	0	#	D

#### RESISTOR R1 VALUE SELECTION

697Hz ==> R1 = 13K

770Hz ==> R1 = 12K

852Hz ==> R1 = 10K

941Hz ==> R1 = 9.1K

#### RESISTOR R7 VALUE SELECTION

1209Hz ==> R7 = 6.8K

1336Hz ==> R7 = 5.6K

1477Hz ==> R7 = 5.1K

1633Hz ==> R7 = 4.7K

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Revision B01	Date January 15, 2012	Sheets 3 of 3