

NHTU Parts List

Bill of Materials

770598A.S01

Quan	Type	Value	Ref Designators
1	1200B	AT90S1200	U3
1	570AC	NE570	U2
1	7025	TRF2050	U4
1	9DA	LM833	U1
1	C	*	C1
6	C	.1UF	C10,C22,C27,C28,C29,C7
1	C	.0015UF	C14
4	C	100PF	C18,C46,C5,C51
1	C	NO PART	C2
1	C	22PF	C23
1	C	33PF	C24
11	C	.001UF	C25,C26,C30,C32,C36,C39, C42,C43,C44,C45,C52
1	C	10PF	C34
1	C	5.6PF	C35
5	C	**	C37,C40,C47,C48,C49

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Quan	Type	Value	Ref Designators
=====			
1	C	12PF	C38
1	C	3.9PF	C41
1	C	47PF	C8
9	CE	10UF	C11,C12,C15,C16,C21,C31, C4,C6,C9
1	CE	.22UF	C13
3	CE	1UF	C17,C19,C33
1	CE	2.2UF	C20
1	CE	*	C3
1	CV	5-20PF	VC1
1	D	1N5817	D1
1	DD2	BAV99	D2
3	DL	VAL	DS1,DS2,DS3
6	E	VAL	E1,E2,E3,E4,E5,E6
1	LA	*	L1
2	LA	8NH	L10,L5

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Quan	Type	Value	Ref Designators
=====			
8	LA	.22UH	L11,L12,L2,L3,L4,L6,L7,

			L8
1	LA	27NH	L9
1	P	+	B1
1	P	-	B2
3	QNEBC	MMBR901	Q11,Q7,Q8
2	QNEBC	MMBT3904	Q3,Q9
2	QNT	ZVN4106	Q1,Q2
4	QPEBC	MMBT3906	Q10,Q4,Q5,Q6
1	R	*	R1
7	R	1K	R10,R14,R15,R16,R17,R18, R27
7	R	10K	R11,R13,R30,R31,R38,R5, R6
1	R	3.9M	R12
1	R	26.7K	R19
2	R	100	R2,R42

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Quan	Type	Value	Ref Designators
1	R	6.65K	R20
1	R	24.3K	R21
2	R	4.99K	R24,R29

1	R	13K	R25
1	R	16.2K	R26
1	R	8.25K	R28
1	R	20K	R3
1	R	150K	R32
1	R	511K	R33
1	R	221	R34
2	R	475	R35,R7
2	R	4.75K	R36,R46
2	R	47.5	R37,R40
3	R	47.5K	R39,R4,R9
1	R	22K	R41

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Quan	Type	Value	Ref Designators
=====			
1	R	22.1	R43
1	R	6.81K	R44
2	R	100K	R45,R8
1	R	10	R47
1	R	26.7	R48

1	RS	221	R49
1	RVA	100K	VR1
1	RVA	100	VR2
1	S10	VAL	S3
2	SSS	VAL	S1,S2
9	TP		TP1,TP2,TP3,TP4,TP5,TP6, TP7,TP8,TP9
1	VCO-500SQ	VAL	HY1
1	Y	4MHZ	Y1

Total Parts: 155

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NHTU Tune-up Info

1. Set channel switch to 0. Set mic gain (VR1) max CW.
2. Feed 7.8mV at 1 kHz across E2 (hot) and E1 (gnd).
3. Connect a frequency counter and deviation meter from E5 (rf out) to ground.
4. Connect the battery contacts to 9 volts DC.
5. Turn unit on and adjust VC1 for the channel 0 frequency.
6. Adjust VR2 for +/- 40 kHz deviation.