

LNA Control Board Parts List**Schematic: v1.0 8/10/2007****Board: v1.0 7/31/07**

Part ID	Value	Tol/Voltage/Note	Package	Part Number	Vendor
C1	0.1 X7R	16V min	0805		
C2	0.1 X7R	16V min	0805		
C3	0.1 X7R	16V min	0805		
C4	0.1 X7R	16V min	0805		
C5	0.1 X7R	16V min	0805		
C6	0.1 X7R	16V min	0805		
C7	0.1 X7R	16V min	0805		
C8	0.1 X7R	16V min	0805		
C9	0.1 X7R	16V min	0805		
C10	22u X5R	10V-16V	1210		
C11	0.1 X7R	16V min	0805		
C12	47u X5R	16V min; may be Tantalum	1210		
D1	LED Red T1		Vertical PCB	L20261-ND	DigiKey
D2	LED Red T1		Vertical PCB	L20261-ND	DigiKey
D3	LED Red T1		Vertical PCB	L20261-ND	DigiKey
D4	LED Red T1		Vertical PCB	L20261-ND	DigiKey
D5	LED Red T1		Vertical PCB	L20261-ND	DigiKey
D6	LED Red T1		Vertical PCB	L20261-ND	DigiKey
D7	LED Red T1		Vertical PCB	L20261-ND	DigiKey
D8	1N4148WX		SOD323	1N4148WXTTPMSCT-ND	DigiKey
D9	1N4148WX		SOD323	1N4148WXTTPMSCT-ND	DigiKey
D10	1N4148WX		SOD323	1N4148WXTTPMSCT-ND	DigiKey
D11	1N4148WX		SOD323	1N4148WXTTPMSCT-ND	DigiKey
J1	Header Breakaway 8x1-pos 0.1" V		Vertical PCB	WM6536-ND	DigiKey
J2	Header Breakaway 8x1-pos 0.1" V		Vertical PCB	WM6536-ND	DigiKey
J3	Low-profile Fem 2-pos 0.1" Type KK		Vert Thru PCB	WM18601-ND	DigiKey
J4	Low-profile Fem 10-pos 0.1" Type KK		Vert Thru PCB	WM18609-ND	DigiKey
J5	Low-profile Fem 4-pos 0.1" Type KK		Vert Thru PCB	WM18603-ND	DigiKey
J6	Low-profile Fem 2-pos 0.1" Type KK		Vert Thru PCB	WM18601-ND	DigiKey
J7	Low-profile Fem 10-pos 0.1" Type KK		Vert Thru PCB	WM18609-ND	DigiKey
J8	Low-profile Fem 4-pos 0.1" Type KK		Vert Thru PCB	WM18603-ND	DigiKey
J9	Header Breakaway 3x1-pos 0.1" RA		Rt Angle PCB	WM6136-ND	DigiKey
J10	Header Breakaway 10x1-pos 0.1" V		Vertical PCB	WM6536-ND	DigiKey
J11	Header Breakaway 2x1-pos 0.1" V		Vertical PCB	WM6536-ND	DigiKey
Q1	PZT2222A		SOT223	PZT2222ACT-ND	DigiKey
R1	300	any value within 5% of this	0805		
R2	300	any value within 5% of this	0805		
R3	300	any value within 5% of this	0805		
R4	300	any value within 5% of this	0805		
R5	300	any value within 5% of this	0805		
R6	100k	any value within 5% of this	0805		
R7	16k	any value within 5% of this	0805		
R8	300	any value within 5% of this	0805		
R9	30.0k	0.1%	0805		
R10	270.k	0.1%	0805		
R11	10k	any value within 5% of this	0805		
R12	4.7M	Thick Film, 5% tol max	0805		
R13	16k	any value within 5% of this	0805		
R14	1.0M	any value within 5% of this	0805		
R15	10k	any value within 5% of this	0805		
R16	300	any value within 5% of this	0805		
R17	470	any value within 5% of this	0805		
R18	100k	any value within 5% of this	0805		

Part ID	Value	Tol/Voltage/Note	Package	Part Number	Vendor
R19	100k	any value within 5% of this	0805		
R20	150	any value within 5% of this	0805		
R21	16k	any value within 5% of this	0805		
R22	10k	any value within 5% of this	0805		
R23	30.0k	0.1%	0805		
R24	270.k	0.1%	0805		
R25	30k	any value within 5% of this	0805		
R26	100k	any value within 5% of this	0805		
SW1	Locking SPDT On-On		Vertical PCB	CKN1216-ND	DigiKey
SW2	SPDT Mom-Off-Mom		Vertical PCB	CKN1007-ND	DigiKey
SW3	Opt Encoder w/button		PCB	GH7296-ND	DigiKey
SW4	PB SPDT		Vertical PCB	CKN1632-ND	DigiKey
SW5	PB SPDT		Vertical PCB	CKN1632-ND	DigiKey
U1	74AC112		SOIC-16	296-4224-5-ND	DigiKey
U2	74AC00		SOIC-14	74AC00SC-ND	DigiKey
U3	74AC157		SOIC-16	74AC157SC-ND	DigiKey
U4	74AC157		SOIC-16	74AC157SC-ND	DigiKey
U5	74AC139		SOIC-16	74AC139SCXCT-ND	DigiKey
U6	MAX6817EUT		SOT23-6	MAX6817EUT+TCT-ND	DigiKey
U7	74AC11		SOIC-14	74AC11SC-ND	DigiKey
U8	74AC112		SOIC-16	296-4224-5-ND	DigiKey
U9	TLC555		SOIC-8	296-10341-1-ND	DigiKey
U10	LS7184		SOIC-8	LS7184-SOIC	US Digital
U11	MAX6817EUT		SOT23-6	MAX6817EUT+TCT-ND	DigiKey
U12	MAX4649		SOT23-8	MAX4649EKA+TCT-ND	DigiKey