

VLA/VHF Program RF Module Electronics Parts List
Kimberk, Leiker, ed. Greenhill 01/25/05

Temperature regulated LNA board

Specified Components

<u>P/N</u>	<u>Description</u>	<u>ID</u>
ATF531P8	low noise transistor	U1,U6
DMMT3906W	dual PNP transistor	U2,U7
JYDC-23-1HP	RF directional coupler	U3,U8
JPS-2-1-75 RF	combiner	U4
HT44-28	quad hybrid	U5
PHP200 RF	highpass filter	U10
SCLF225 RF	lowpass filter	U11
BAV99LT1	dual diode	U12,U13
LM317LM	voltage regulator	U9

Unspecified components:

Resistor----

R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12,R13,R14,R15,R16,R17,R18,R19,
R20,R21,R22,R23,R24,R25,R26,R27,R28,R29,R30,R31

Capacitor----

C2,C3,C4,C5,C6,C7,C8,C10,C11,C12,C13,C14,C15,C16,C17,C18,C19,C2
0,C9,C1

Connector----

J1,J2,J3,J4,J7,J6,J5

Inductor----

L1,L2,L3,L4,L5,L6,L7,L8

NC302 (noise diode)----

D1

Post-LNA amplifier board

Specified Components

<u>P/N</u>	<u>Description</u>	<u>ID</u>
AMP76 RF	amplifier	U1,U2,U7,U8
PHP200	high pass filter	U3,U4
SCLF225	low pass filter	U5,U6,U12,U13
LT1962AJ	voltage regulator adjustable	U9,U18,U19,U20
JPS-2-1-75	RF combiner	U10,U11
LM317	voltage regulator	U14,U15
LAT RF	pad	U16,U17,U21,U22
--	capacitor	C29,C30
--	capacitor	C28,C27

Unspecified components:

Resistor----

R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12

Capacitor----

C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17,C18,
C19,C20,C21,C22,C23,C24,C25,C26,C31,C32

Connector----

J1,J2,J3,J4,J5,J6,J7,J8,J9,J10,J11,J12,J13