G5V-2

NE1
LOOP1-1
LOOP1-2
SW1
SE1
LOOP2-1
LOOP2-2
NW1
RE1B
RE2B
RE1C
RE2C
JP2
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
RLOAD1
75Ω
RLOAD2
1k2
ANT_GND1
ANT_GND2
Independent ANT GND
PTC1
VR1
6:2
GL2
C47
100nF
C27
100nF
GND
Optional variable Rload
R1
220
D13
D14
D15
C30
100nF
1k
R6
RTRIM
10k
D16
LED
VR3
C34
100nF
CON4
GND

RS12
RE3B
RE3C
L160_1
160m
C35
C36
100p
C1
C4
C2
C3
C49
1nF 100V
C5
470pF
L160_2
RE4B
RE4C

RS12
RE5B
RE5C
L80_1
80m
C37
C38
47p
C7
C9
C6
C8
C10
470p
C11
220p
L80_2
L14
2.2uH
C46
20pF
C45
220pF
RE6B
RE6C
L16
2.2uH
L17
2.2uH
L15
2.2uH
C44
40pF
C43
470
C50
+47
C53
+ 33p
C56
+68pF

RS12
RE7B
RE7C
L40_1
40m
C39
C40
22p
C13
C15
10p
C12
C14
C16
220p
C17
150p
C55
47pF when 100pF
L40_2
RE8B
RE8C
L18
2.2uH
L5
2.2uH
C42
40p
C41
+33
C54
GND
33pF 50V

RS12
RE9B
RE9C
RE10B
RE10C

RS12
RE1A
RE2A
D19
1N4007
D20
1N4007
C31
100nF
C32
100nF
R2
10k
R3
10k
C29
47uF
C33
47uF
K9AY_1
K9AY_2
LED-RE1
LED-RE2

RS12
RE3A
RE4A
D21
1N4007
BPF1

RS12
RE5A
RE6A
D22
1N4007
BPF2

RS12
RE7A
RE8A
D23
1N4007
BPF3

RS12
RE9A
RE10A
D24
1N4007
BPF4

R20
10k
R19
10k
PREAMP
BPF4
D25
D26
D27
1N4007
1N4007
1N4007
CON4
BPF1
BPF2
BPF3
PREAMP
K9AY_1
K9AY_2
L4
L6
L7
L12
L8
L9
L10
L11
J1
RJ45_LED_Shielded
L13
VAR1
VAR2
VAR3
VAR4
VAR5
VAR6
GND

PREAMP
JP1
L3
C51
100nF
C18
100nF
C21
C52
C20
47uF
100nF
C22
100nF
C23
100nF
C24
47uF
C28
100nF
RE12A
RE11A
D28
1N4007
RBIAS1
10k
R12
3k9
L11
L2
C25
100nF
R11
680
T1
2SC5551A
R10
1k
R13
R7
22R
22R
R9
22R
R5
R8
22R
22R
C19
100nF
R_ATT1
200
R24
150
RE11B
RE11C
RE12B
RE12C
C48
100nF
C26
100nF
PTC2
GL1
OUT1
D30
D31
D32
D35
D34
D33
6x1N4007

Mounting points
H1
Dira_M3_3.5mm
H2
H3
H4
H5
H6

QRO.cz Jan OK2ZAW
Sheet: /
File: K9AY++.sch
Title: K9AY++ RF feeder
Size: A2 | Date: 2021-11-17 | Rev: ver.2.3
KiCad E.D.A. kicad (5.1.9)-1 | Id: 1/1