180 kHz through 3000 kHz LF BPF set

T1 3T #30 AWG bifilar on BN-43-2402 core

T2 7T #30 AWG bifilar on BN-43-2402 core

T3 Primaru 7T #30 AWG on BN-43-2402 core

T3 Secondary 3T bifilar, #30 AWG over Primary

180 kHz to 480 kHz BPF Γ L1/L3 55uH, 117T, 61 inches, on T37-2 core L2 26uH, 80T, 43 inches, on T37-2 core C7=C9=6800pF, C8=0.015uF

400 kHz to 800 kHz BPF \lceil L4/L6 20uH, 68T, 36 inches, on T30-2 core L5 4.6uH, 32T, 18 inches, on T30-2 core C11=C13=3300pF. C12=0.015uF

800 kHz to 1600 kHz BPF Γ L7/L9 10 uH, 48T, 26 inches, on T30-2 core L8 2.7uH, 25T, 15 inches, on T30-2 core _ C14=C16=1800pF, C15=6800pF

1600 kHz to 3000 kHz BPF Γ L10/L12 4.6 uH, 32T, 18 inches, on T30-2 core L11 1.3uH, 17T, 11 inches, on T30-2 core C17=C19=1000pF, C18=3300pF

> R17, R19, R20, and R22 omitted C6, C10, R18 and R21 replace with jumpers R30 and R31 are 49.9 ohm resistors

1.8 MHz through 30 MHz HF BPF set

T1 2T #30 AWG bifilar on BN-43-2402 core

T2 4T #30 AWG bifilar on BN-43-2402 core

T3 Primaru 4T #30 AWG on BN-43-2402 core

T3 Secondary 2T bifilar, #30 AWG over Primary

1.8 MHz to 4 MHz BPF

「L1/L3 5.5uH, 35T, 20 inches, on T30-2 core L2 2.6uH, 24T, 15 inches, on T30-2 core C7=C9=680pF, C8=1500pF

4 MHz to 8 MHz BPF

L4/L6 2.0uH, 21T, 13 inches, on T30-2 core L5 0.46uH. 10T. 8 inches. on T30-2 core C11=C13=390pF. C12=1500pF

8 MHz to 16 MHz BPF

[L7/L9 1.0uH, 19T, 9 inches, on T25-6 core L8 0.27uH. 10T. 6 inches. on T25-6 core C14=C16=180pF, C15=680pF

16 MHz to 30 MHz BPF

FL10/L12 0.46uH, 13T, 7 inches, on T25-6 core L11 0.13uH, 7T, 5 inches, on T25-6 core C17=C19=100pF, C18=390pF

R17. R19. R20. and R22 are 75 ohm 1/6 W resistors R18 and R21 are 120 ohm 1/6 W resistors C6 and C10 are 0.047uF R30 and R31 are 10.0 ohm resistors

Notes:

For 6/15/10 circuit board:

Primary or seconday leads of T1 should be crossed Primary or seconday leads of T2 should be crossed #30 AWG wire used to wind L1 through L12 and T1 through T3

For 6/20/13 circuit board:

No T1 or T2 lead crossing needed #27 AWG wire used to wind L1 through L12 for HF build of kit #30 AWG wire used to wind L1, L2, L3, L4, and L6, for LF build of kit #27 AWG wire used to wind L5, and L7 through L12 for LF build of kit #30 AWG wire used to wind T1 through T3

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RX Ensemble II		
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