



Figure 1 shows the schematic diagrams of the four low-pass filter stages (LPF\_16\_30\_A, LPF\_8\_16\_A, LPF\_4\_8\_A, LPF\_1\_2\_A) and their corresponding components (LPF\_16\_30\_B, LPF\_8\_16\_B, LPF\_4\_8\_B, LPF\_1\_2\_B). The filter stages are labeled LPF\_16\_30\_A, LPF\_8\_16\_A, LPF\_4\_8\_A, and LPF\_1\_2\_A. The corresponding components are labeled LPF\_16\_30\_B, LPF\_8\_16\_B, LPF\_4\_8\_B, and LPF\_1\_2\_B. The filter stages are labeled Band 0 16-30 MHz, Band 1 8-16 MHz, Band 2 4-8 MHz, and Band 3 2-4 MHz. The components are labeled Band 4 1-2 MHz.

**LPF\_16\_30\_A** (Band 0 16-30 MHz):

- Capacitors: C1 (330 pF), C2 (470 pF), C3 (330 pF)
- Inductors: L1 (220 nH), L2 (220 nH)

**LPF\_8\_16\_A** (Band 1 8-16 MHz):

- Capacitors: C4 (680 pF), C6 (1 nF), C7 (680 pF)
- Inductors: L3 (330 nH), L4 (330 nH)

**LPF\_4\_8\_A** (Band 2 4-8 MHz):

- Capacitors: C8 (1 nF), C9 (1 nF), C10 (1 nF)
- Inductors: L5 (1  $\mu$ H), L6 (1  $\mu$ H)

**LPF\_2\_4\_A** (Band 3 2-4 MHz):

- Capacitors: C11 (1.5 nF), C12 (2.2 nF), C13 (1.5 nF)
- Inductors: L7 (2.2  $\mu$ H), L8 (2.2  $\mu$ H)

**LPF\_1\_2\_A** (Band 4 1-2 MHz):

- Capacitors: C14 (3.3 nF), C15 (4.7 nF), C16 (3.3 nF)
- Inductors: L9 (4.7  $\mu$ H), L10 (4.7  $\mu$ H)

