Opening the T41 BPF and LPF filter files using Elsie

The files as downloaded contain Unix/Linux line endings (LF only). If you attempt to open these files as is using Elsie, you will get the following error:

```
"Error string:48
ErrorDescription: Input string past end of file"
```

This is because Elsie wants to see Windows line endings (CRLF). An easy way to fix the problem is to use Notepad++, a free text editor with many useful features. It can be downloaded at: https://notepad-plus-org/downloads/v8.6.8/.

```
Once you have installed Notepad++, open the .LCT file (e.g., T41_BPF_12-10M_Design_V12.6_01-24-24.LCT.
```

Then you can see the problem by selecting View -> Show Symbol -> Show End of Line:

```
Elsie circuit file 712073300LF
    Untitled
3
    1/24/2024 4:43:54 PM LF
4
    * Added information: LF
    * Family, order, stages, topology, Cauer:
6
    11 5 5 E 0 IF
8
    * Width, center, Fstop normalized: III
9
     600000 600000 0 LF
    * Apass, Astop: IF
     .044 0 LF
    * Rsource, Rload, Rratio, Rstandard: 🌆
     50 50 1 600 LF
14
    * Qind, Qcap: LF
     200 2000 LF
16
    * Gj, Hj: ...
     .9746691 0 LF
     1.372433 0
19
     1.80463 0 LF
     1.372433 0
     .974669 0 LF
    * Element type, L, Ltolerance, C, Ctolerance LF
    8 1.2E-07 0 3E-10 0 LE
24
    5 8.2E-07 0 4.3E-11 0 IF
    8 8.2E-08 0 5.1E-10 0 LE
26
    5 8.2E-07 0 4.3E-11 0 LE
     8 1.2E-07 0 3E-10 0 LF
    * Lin or log, Fstart, Fstop, Fstep or NrIntervals:🍱
29
    2 8000000 5E+07 1000 LF
    * Graph scales: LF
    -60 0 0 1.2E-07 2.2 1200 8 6 IF
    * Limits Y/N:LF
34
    * Markers Y/N:LF
    * M-derived zeros Y/N:LF
37
```

Now select Edit -> EOL Conversion -> Windows (CR LF), and the file should look loke this:

```
🚼 T41_BPF_12-10M_Design_V12.6_01-24-24.LCT 🛮 🗵
     Elsie circuit file 712073300CRLF
 1
      UntitledCRLF
 2
 3
     1/24/2024 4:43:54 PM CRLF
 4
      * Added information: CRIF
 5
 6
      * Family, order, stages, topology, Cauer: CRLE
 7
          5 5 E 0 CRLF
      * Width, center, Fstop normalized: CRLF
      600000 600000 0 CRLF
 9
      * Apass, Astop: CRLF
10
      .044 0 CRLF
11
     * Rsource, Rload, Rratio, Rstandard: CRLF
12
      50 50 1 600 CRLF
13
      * Qind, Qcap: CRLF
14
      200 2000 CRLF
15
16
      * Gj, Hj: CRLF
17
       .9746691
                 0 CRLF
18
       1.372433
                 0 CRLF
19
       1.80463 0 CRLF
20
       1.372433
                 0 CRLF
21
       .974669
               0 \quad CRLF
22
      * Element type, L, Ltolerance, C, Ctolerance CRLF
23
         1.2E-07 0
                     3E-10 0 CRLF
24
       5
         8.2E-07
                   0
                      4.3E-11
                               0 CRLF
25
       8
         8.2E-08
                   0
                     5.1E-10
                               0 CRLF
      5 8.2E-07
                   0 4.3E-11
                               0 CRLF
26
27
                      3E-10 0 CRLF
      8 1.2E-07
                   0
      * Lin or log, Fstart, Fstop, Fstep or NrIntervals: CRI
28
29
      2 8000000 5E+07
                          1000 CRLF
30
     * Graph scales: CRLF
     -60 0 0 1.2E-07 2.2 1200 8
31
                                         6 CRLF
      * Limits Y/N:CRLF
     NCRLF
33
34
      * Markers Y/N:CRLF
35
36
      * M-derived zeros Y/N:CRLF
37
     NCRLF
```

Save this file and it should open without error in Elsie.