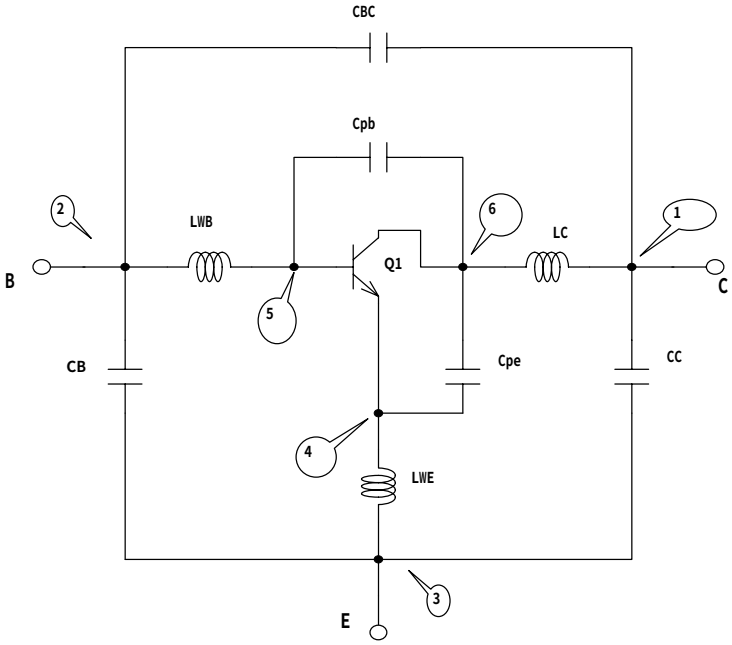
MT3S16U (USM) SPICE_PARAMETERS・・UCB-SPICE2G6

2003/8/6

NET LIST

```
.SUBCKT T3S16U  1 2 3
CB          2       3    3.00E-14  F
LWB         2       5    6.16E-10  H
LWE         4       3    9.60E-10  H
Cpe         4       6    7.08E-13  F
Cpb         5       6    1.00E-12  F
LC          6       1    1.06E-09  H
CC          1       3    1.10E-13  F
CBC         1       2    1.00E-13  F
Q1        6     5     4
+         AREA=   1

.MODEL  NPN NPN
+         IS        =         5.73E-16  A
+         BF        =         1.60E+02
+         NF        =         9.86E-01
+         VAF       =         4.27E+01  V
+         IKF       =         1.00E+00  A
+         ISE       =         9.96E-14  A
+         NE        =         3.00E+00
+         BR        =         1.72E+01
+         NR        =         9.90E-01
+         VAR       =         2.04E+00  V
+         IKR       =         1.00E+00  A
+         ISC       =         3.52E-16  A
+         NC        =         1.13E+00
+         RB        =         6.54E+00  Ohm
+         IRB       =         1.00E-06  A
+         RBM       =         6.54E+00  Ohm
+         RE        =         4.65E-01  Ohm
+         RC        =         6.60E+00  Ohm
+         XTB       =         0.00E+00
+         EG        =         1.11E+00  eV
+         XTI       =         3.00E+00
+         CJE       =         2.46E-12  F
+         VJE       =         9.50E-01  V
+         MJE       =         3.59E-01
+         TF        =         1.45E-11  s
+         XTF       =         5.00E+00
+         VTF       =         5.00E+00  V
+         ITF       =         5.00E-01  A
+         PTF       =         1.66E+02  deg
+         CJC       =         2.34E-12  F
+         VJC       =         6.84E-01  V
+         MJC       =         3.71E-01
+         XCJC      =         1.00E+00
+         TR        =         1.00E-09  s
+         FC        =         7.50E-01
.ENDS
```



Note1:
This data is valid for up to 3GHz.

Note2:
This data include the reference pads which we note in the databook.
The reference plane is defined as the figure below.