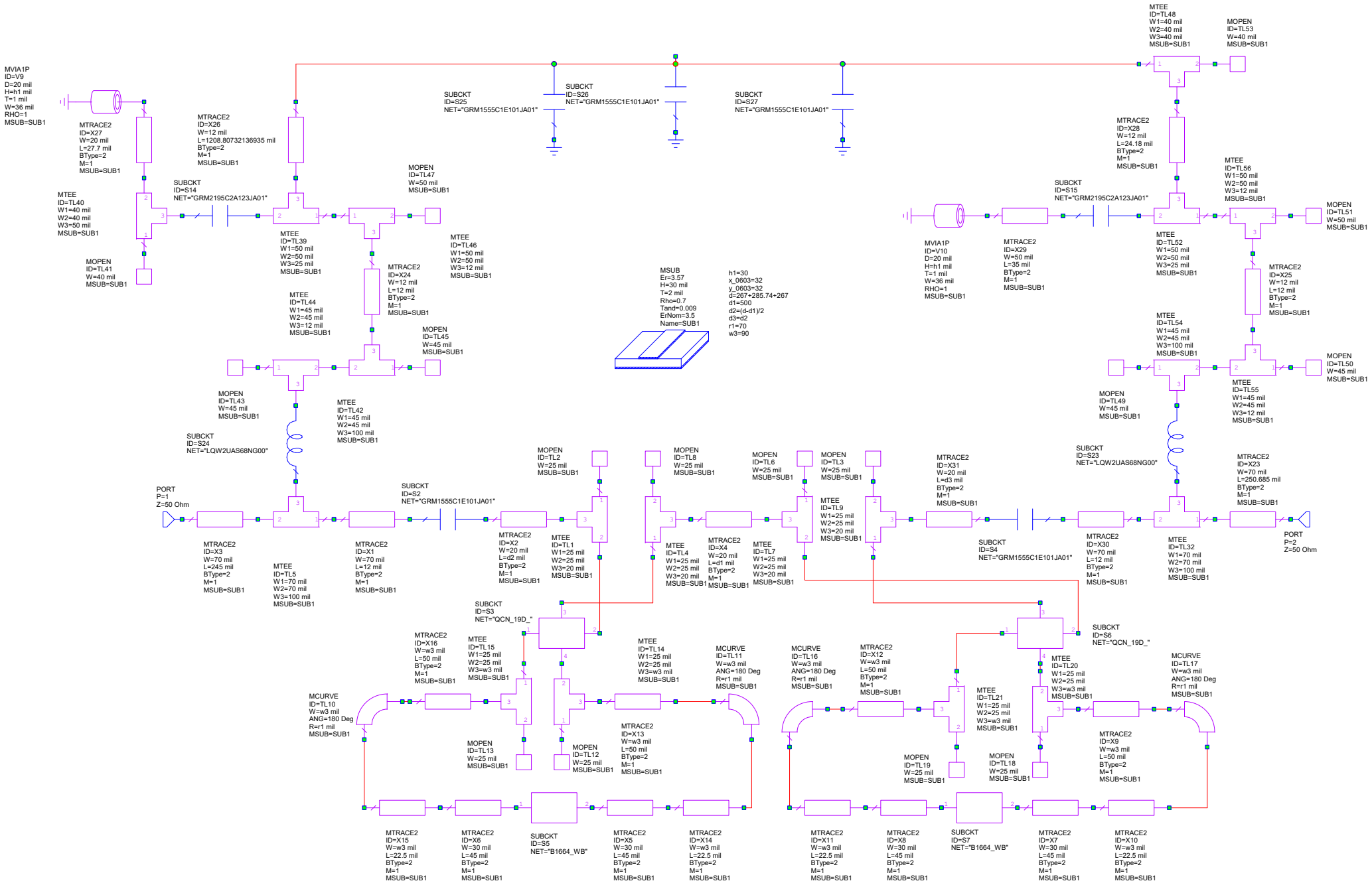
MVIA1P
ID=V9
D=20 mil
H=h1 mil
T=1 mil
W=36 mil
RHO=1
MSUB=SUB1
MTRACE2
ID=X27
W=20 mil
L=27.7 mil
BType=2
M=1
MSUB=SUB1
MTRACE2
ID=X26
W=12 mil
L=1208.80732136935 mil
BType=2
M=1
MSUB=SUB1
SUBCKT
ID=S25
NET="GRM1555C1E101JA01"
SUBCKT
ID=S26
NET="GRM1555C1E101JA01"
SUBCKT
ID=S27
NET="GRM1555C1E101JA01"
MTEE
ID=TL48
W1=40 mil
W2=40 mil
W3=40 mil
MSUB=SUB1
MOPEN
ID=TL53
W=40 mil
MSUB=SUB1
MTRACE2
ID=X28
W=12 mil
L=24.18 mil
BType=2
M=1
MSUB=SUB1
MTEE
ID=TL40
W1=40 mil
W2=40 mil
W3=50 mil
MSUB=SUB1
SUBCKT
ID=S14
NET="GRM2195C2A123JA01"
MOPEN
ID=TL47
W=50 mil
MSUB=SUB1
MTEE
ID=TL39
W1=50 mil
W2=50 mil
W3=25 mil
MSUB=SUB1
MTEE
ID=TL46
W1=50 mil
W2=50 mil
W3=12 mil
MSUB=SUB1
MOPEN
ID=TL41
W=40 mil
MSUB=SUB1
MTRACE2
ID=X24
W=12 mil
L=12 mil
BType=2
M=1
MSUB=SUB1
MTEE
ID=TL44
W1=45 mil
W2=45 mil
W3=12 mil
MSUB=SUB1
MOPEN
ID=TL45
W=45 mil
MSUB=SUB1
MSUB
Er=3.57
H=30 mil
T=2 mil
Rho=0.7
Tand=0.009
ErNom=3.5
Name=SUB1
h1=30
x_0603=32
y_0603=32
d=267+285.74+267
d1=500
d2=(d-d1)/2
d3=d2
r1=70
w3=90
MVIA1P
ID=V10
D=20 mil
H=h1 mil
T=1 mil
W=36 mil
RHO=1
MSUB=SUB1
MTRACE2
ID=X29
W=50 mil
L=35 mil
BType=2
M=1
MSUB=SUB1
SUBCKT
ID=S15
NET="GRM2195C2A123JA01"
MTEE
ID=TL56
W1=50 mil
W2=50 mil
W3=12 mil
MSUB=SUB1
MOPEN
ID=TL51
W=50 mil
MSUB=SUB1
MTEE
ID=TL52
W1=50 mil
W2=50 mil
W3=25 mil
MSUB=SUB1
MTRACE2
ID=X25
W=12 mil
L=12 mil
BType=2
M=1
MSUB=SUB1
MTEE
ID=TL54
W1=45 mil
W2=45 mil
W3=100 mil
MSUB=SUB1
MOPEN
ID=TL50
W=45 mil
MSUB=SUB1
MOPEN
ID=TL43
W=45 mil
MSUB=SUB1
MTEE
ID=TL42
W1=45 mil
W2=45 mil
W3=100 mil
MSUB=SUB1
MOPEN
ID=TL49
W=45 mil
MSUB=SUB1
MTEE
ID=TL55
W1=45 mil
W2=45 mil
W3=12 mil
MSUB=SUB1
SUBCKT
ID=S24
NET="LQW2UAS68NG00"
SUBCKT
ID=S23
NET="LQW2UAS68NG00"
PORT
P=1
Z=50 Ohm
SUBCKT
ID=S2
NET="GRM1555C1E101JA01"
MOPEN
ID=TL2
W=25 mil
MSUB=SUB1
MOPEN
ID=TL8
W=25 mil
MSUB=SUB1
MOPEN
ID=TL6
W=25 mil
MSUB=SUB1
MOPEN
ID=TL3
W=25 mil
MSUB=SUB1
MTRACE2
ID=X31
W=20 mil
L=d3 mil
BType=2
M=1
MSUB=SUB1
MTRACE2
ID=X23
W=70 mil
L=250.685 mil
BType=2
M=1
MSUB=SUB1
MTRACE2
ID=X3
W=70 mil
L=245 mil
BType=2
M=1
MSUB=SUB1
MTEE
ID=TL5
W1=70 mil
W2=70 mil
W3=100 mil
MSUB=SUB1
MTRACE2
ID=X1
W=70 mil
L=12 mil
BType=2
M=1
MSUB=SUB1
MTRACE2
ID=X2
W=20 mil
L=d2 mil
BType=2
M=1
MSUB=SUB1
MTEE
ID=TL1
W1=25 mil
W2=25 mil
W3=20 mil
MSUB=SUB1
MTEE
ID=TL4
W1=25 mil
W2=25 mil
W3=20 mil
MSUB=SUB1
MTRACE2
ID=X4
W=20 mil
L=d1 mil
BType=2
M=1
MSUB=SUB1
MTEE
ID=TL7
W1=25 mil
W2=25 mil
W3=20 mil
MSUB=SUB1
MTEE
ID=TL9
W1=25 mil
W2=25 mil
W3=20 mil
MSUB=SUB1
SUBCKT
ID=S4
NET="GRM1555C1E101JA01"
MTRACE2
ID=X30
W=70 mil
L=12 mil
BType=2
M=1
MSUB=SUB1
MTEE
ID=TL32
W1=70 mil
W2=70 mil
W3=100 mil
MSUB=SUB1
PORT
P=2
Z=50 Ohm
SUBCKT
ID=S3
NET="QCN_19D_"
SUBCKT
ID=S6
NET="QCN_19D_"
MTRACE2
ID=X16
W=w3 mil
L=50 mil
BType=2
M=1
MSUB=SUB1
MTEE
ID=TL15
W1=25 mil
W2=25 mil
W3=w3 mil
MSUB=SUB1
MTEE
ID=TL14
W1=25 mil
W2=25 mil
W3=w3 mil
MSUB=SUB1
MCURVE
ID=TL11
W=w3 mil
ANG=180 Deg
R=r1 mil
MSUB=SUB1
MCURVE
ID=TL16
W=w3 mil
ANG=180 Deg
R=r1 mil
MSUB=SUB1
MTRACE2
ID=X12
W=w3 mil
L=50 mil
BType=2
M=1
MSUB=SUB1
MTEE
ID=TL20
W1=25 mil
W2=25 mil
W3=w3 mil
MSUB=SUB1
MCURVE
ID=TL17
W=w3 mil
ANG=180 Deg
R=r1 mil
MSUB=SUB1
MCURVE
ID=TL10
W=w3 mil
ANG=180 Deg
R=r1 mil
MSUB=SUB1
MTEE
ID=TL21
W1=25 mil
W2=25 mil
W3=w3 mil
MSUB=SUB1
MOPEN
ID=TL13
W=25 mil
MSUB=SUB1
MOPEN
ID=TL12
W=25 mil
MSUB=SUB1
MTRACE2
ID=X13
W=w3 mil
L=50 mil
BType=2
M=1
MSUB=SUB1
MOPEN
ID=TL19
W=25 mil
MSUB=SUB1
MOPEN
ID=TL18
W=25 mil
MSUB=SUB1
MTRACE2
ID=X9
W=w3 mil
L=50 mil
BType=2
M=1
MSUB=SUB1
MTRACE2
ID=X15
W=w3 mil
L=22.5 mil
BType=2
M=1
MSUB=SUB1
MTRACE2
ID=X6
W=30 mil
L=45 mil
BType=2
M=1
MSUB=SUB1
SUBCKT
ID=S5
NET="B1664_WB"
MTRACE2
ID=X5
W=30 mil
L=45 mil
BType=2
M=1
MSUB=SUB1
MTRACE2
ID=X14
W=w3 mil
L=22.5 mil
BType=2
M=1
MSUB=SUB1
MTRACE2
ID=X11
W=w3 mil
L=22.5 mil
BType=2
M=1
MSUB=SUB1
MTRACE2
ID=X8
W=30 mil
L=45 mil
BType=2
M=1
MSUB=SUB1
SUBCKT
ID=S7
NET="B1664_WB"
MTRACE2
ID=X7
W=30 mil
L=45 mil
BType=2
M=1
MSUB=SUB1
MTRACE2
ID=X10
W=w3 mil
L=22.5 mil
BType=2
M=1
MSUB=SUB1