

Repeat(SUMMER,1,6)
Summer.SchDoc

The SIPM output net names
need to match their bus names
on this sheet. This must be
adjusted to prevent floating
net names warning.

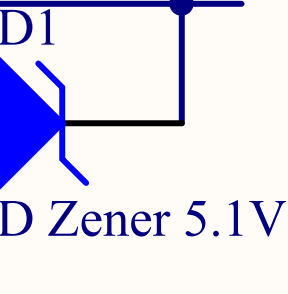
AMPREF
SUMREF
GAINMODE

Repeat(SUMMEDOUT)

VREF
Voltage References.SchDoc

VR2
VR1
+5V

GAINMODE



Need to find appropriate
pins on Eurocard for
power supplies/grounds

SUMMEDOUT SUMMER[1..6]

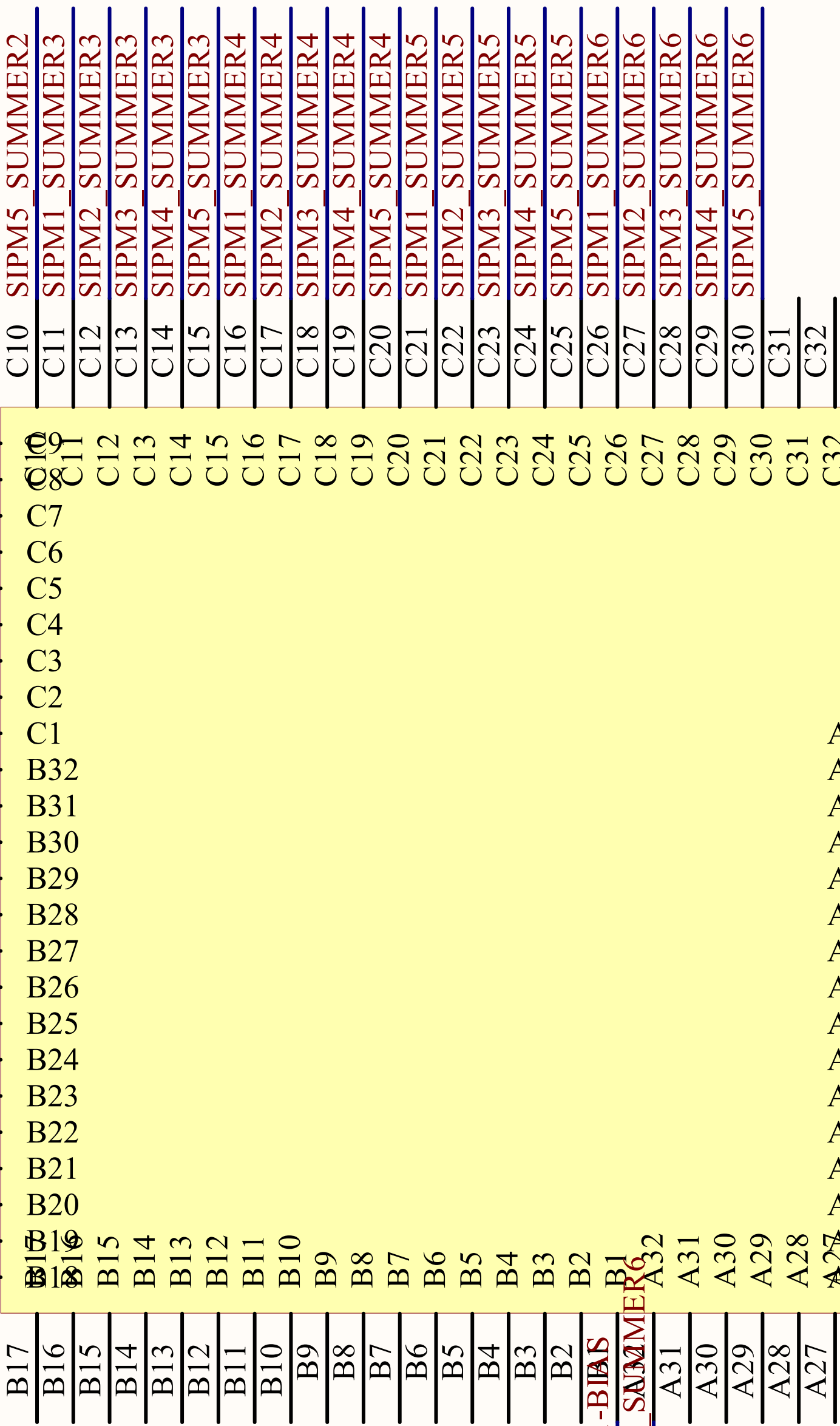
SUMMER[1..6]-AMP1-BIAS
SUMMER[1..6]-AMP2-BIAS
SUMMER[1..6]-AMP3-BIAS
SUMMER[1..6]-AMP4-BIAS
SUMMER[1..6]-AMP5-BIAS

SUMMER[1..6]-AMP1-SIPMOUT
SUMMER[1..6]-AMP2-SIPMOUT
SUMMER[1..6]-AMP3-SIPMOUT
SUMMER[1..6]-AMP4-SIPMOUT
SUMMER[1..6]-AMP5-SIPMOUT

Individual signal outputs
from these logical busses
are not explicitly shown
but are indicated by
net names on the pins
of the Eurocard symbol.

SIPM4 SUMMER2 C9
SIPM3 SUMMER2 C8
SIPM2 SUMMER2 C7
SIPM5 SUMMER1 C5
SIPM4 SUMMER1 C4
SIPM3 SUMMER1 C3
SIPM2 SUMMER1 C2
SIPM1 SUMMER1 C1

GAINMODE



P1

DIN41612 96 pin, Backplane

A1
A2
A3
A4
A5 SUMMEDOUT SUMMER1
A6
A7
A8 SUMMEDOUT SUMMER2
A9
A10
A11
A12
A13 SUMMEDOUT SUMMER3
A14
A15
A16
A17
A18
A19 SUMMEDOUT SUMMER4
A20
A21
A22
A23
A24 SUMMEDOUT SUMMER5
A25

Title

Size

Number

Revision

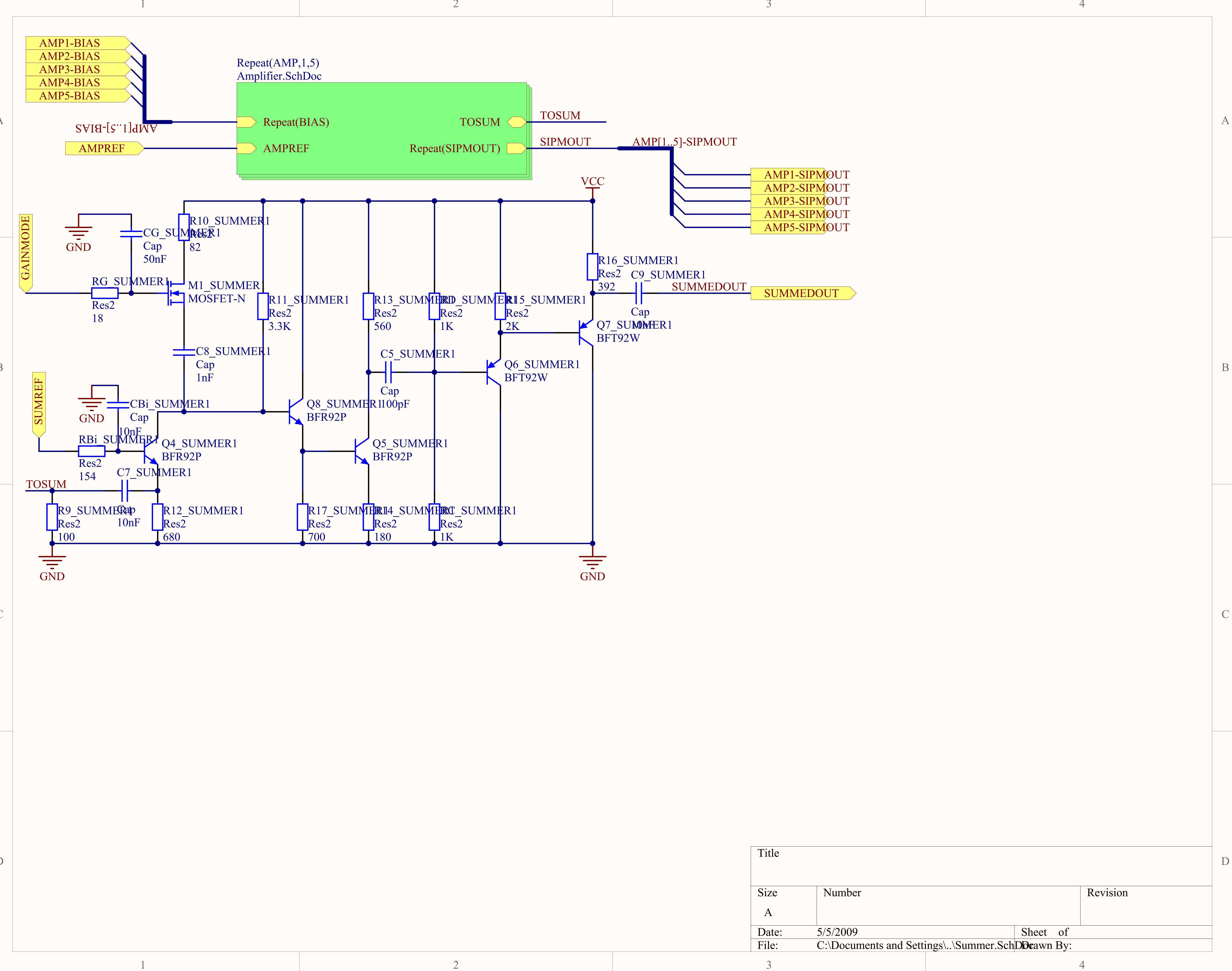
Date:

5/5/2009

Sheet of

File:

C:\Documents and Settings\...\Main.SchDoc Drawn By:



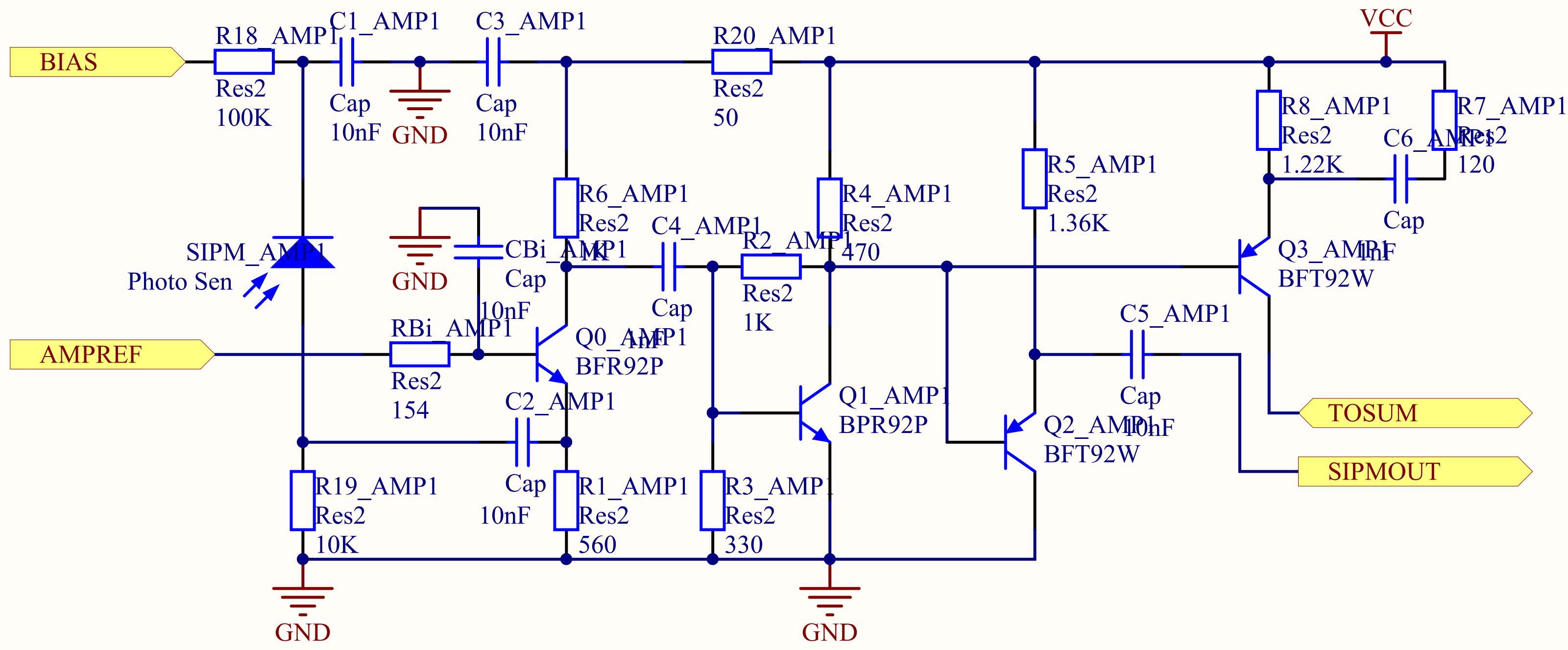
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Summer.SchDoc	Drawn By:

A

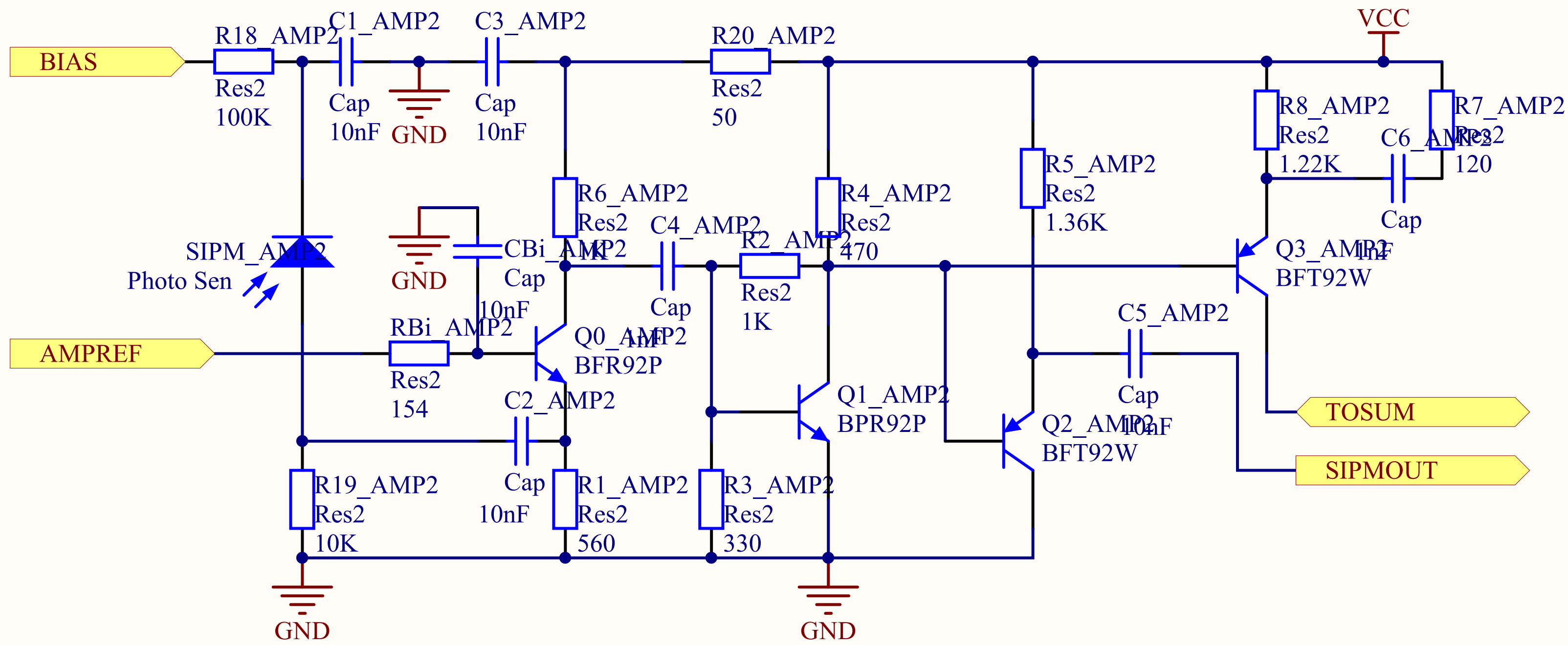
B

C

D



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

A

B

C

D

1

2

3

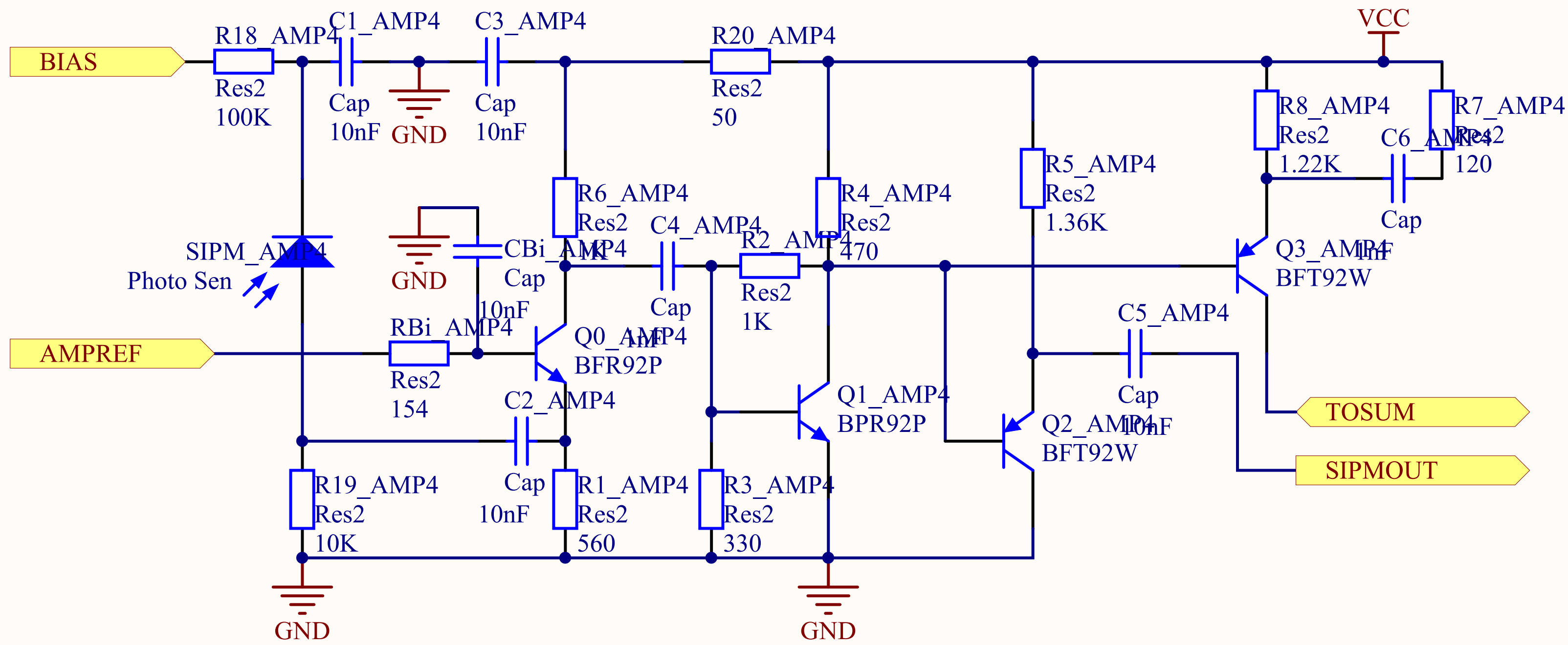
4

A

B

C

D



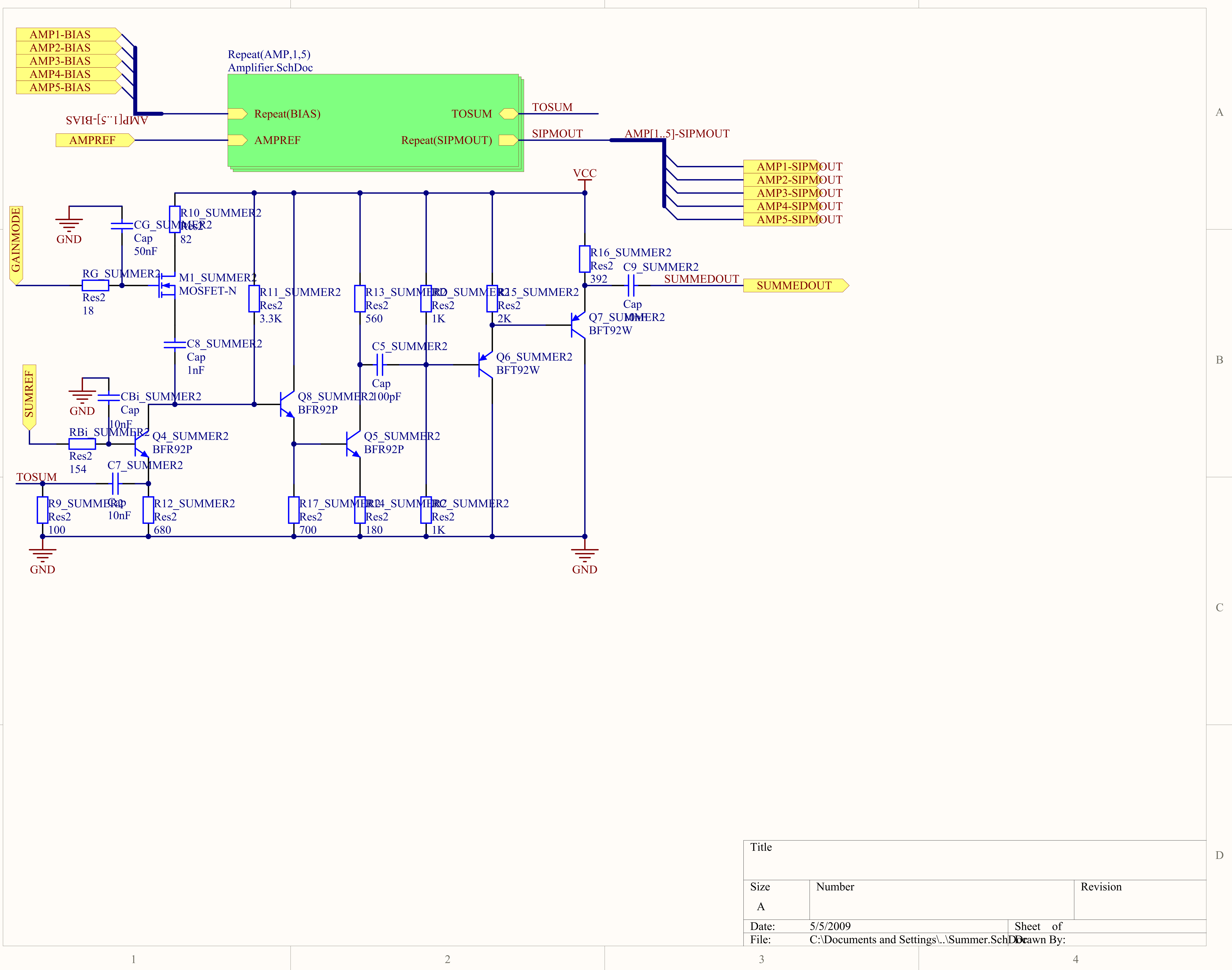
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

1

2

3

4



A

A

B

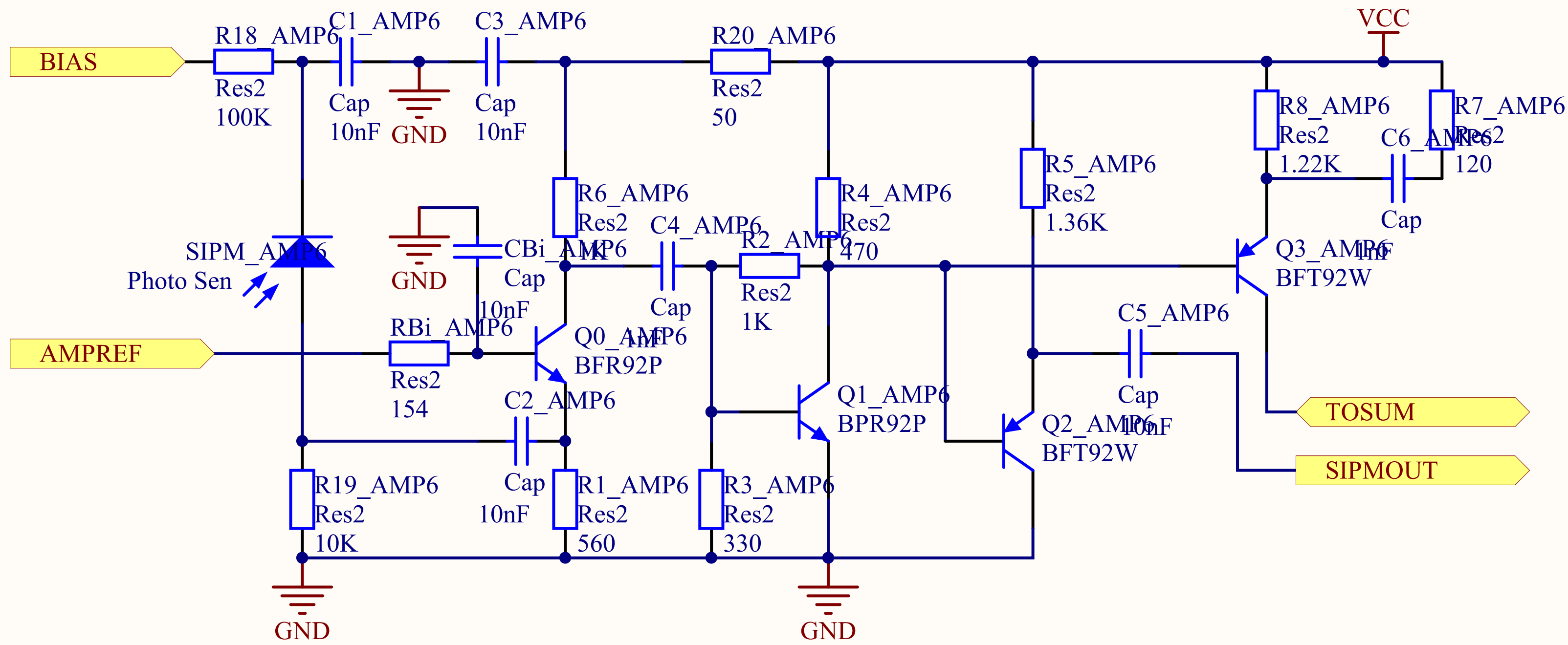
B

C

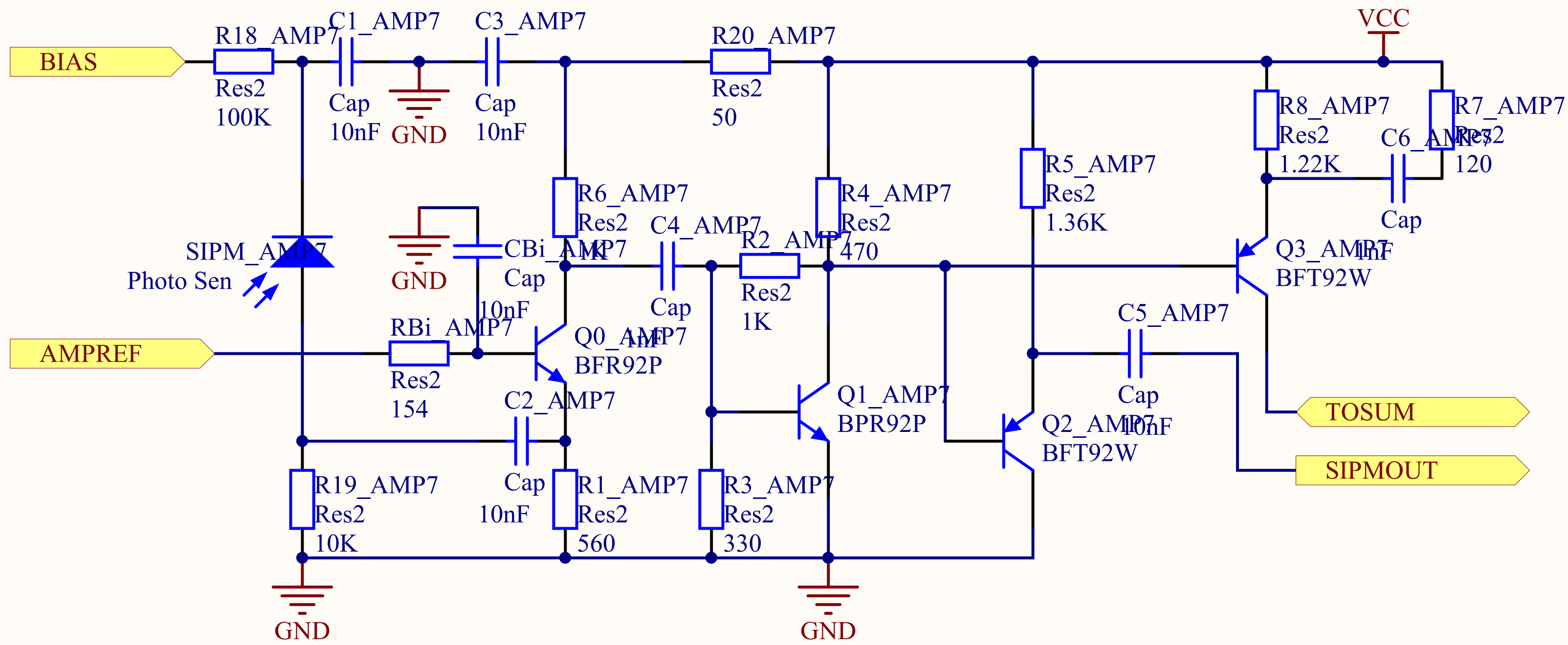
C

D

D



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:



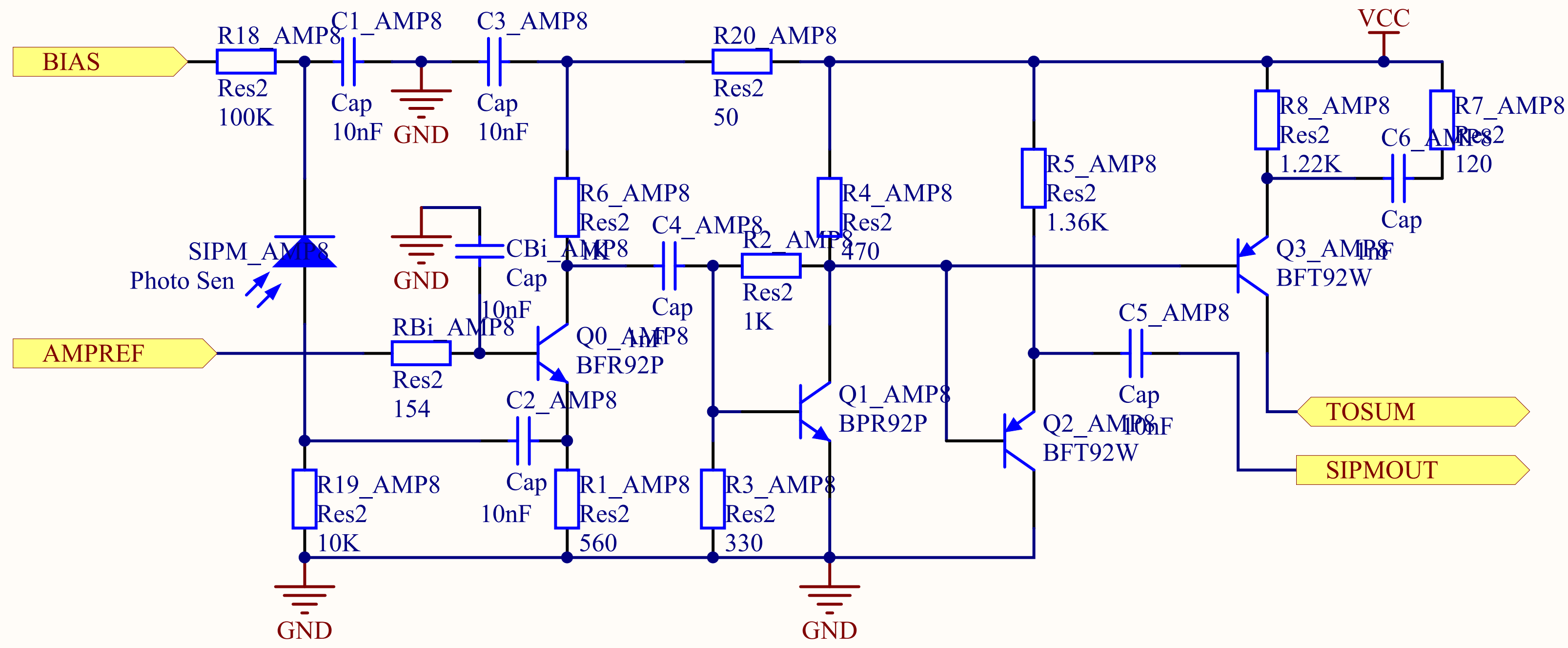
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

A

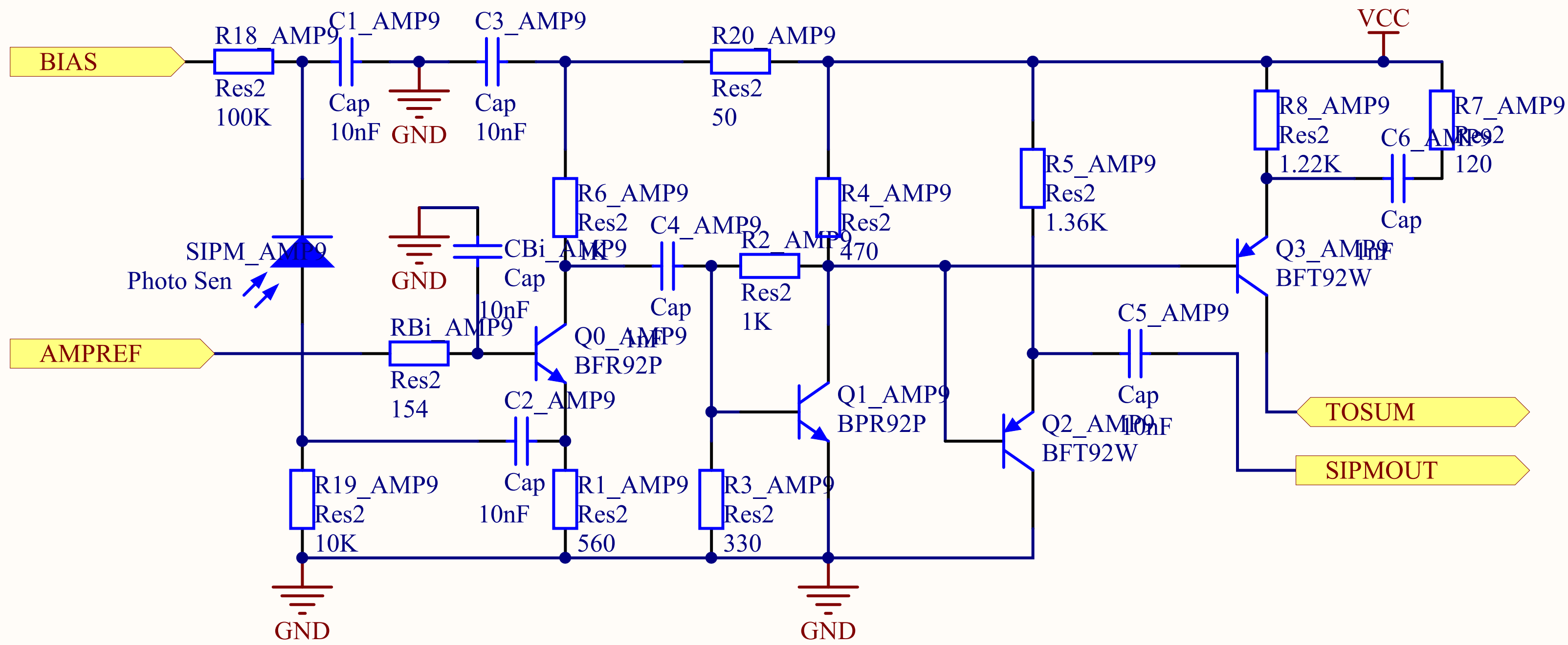
B

C

D



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:



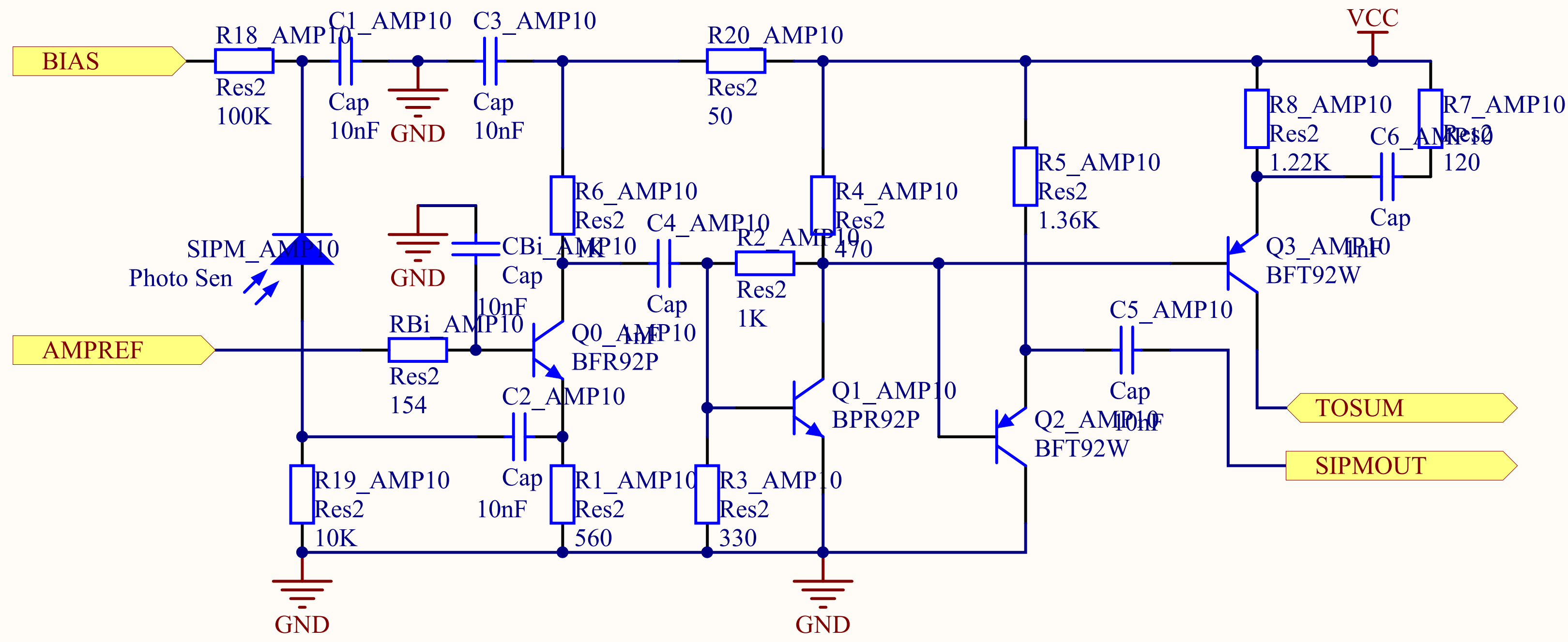
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Drawn By:

A

B

C

D



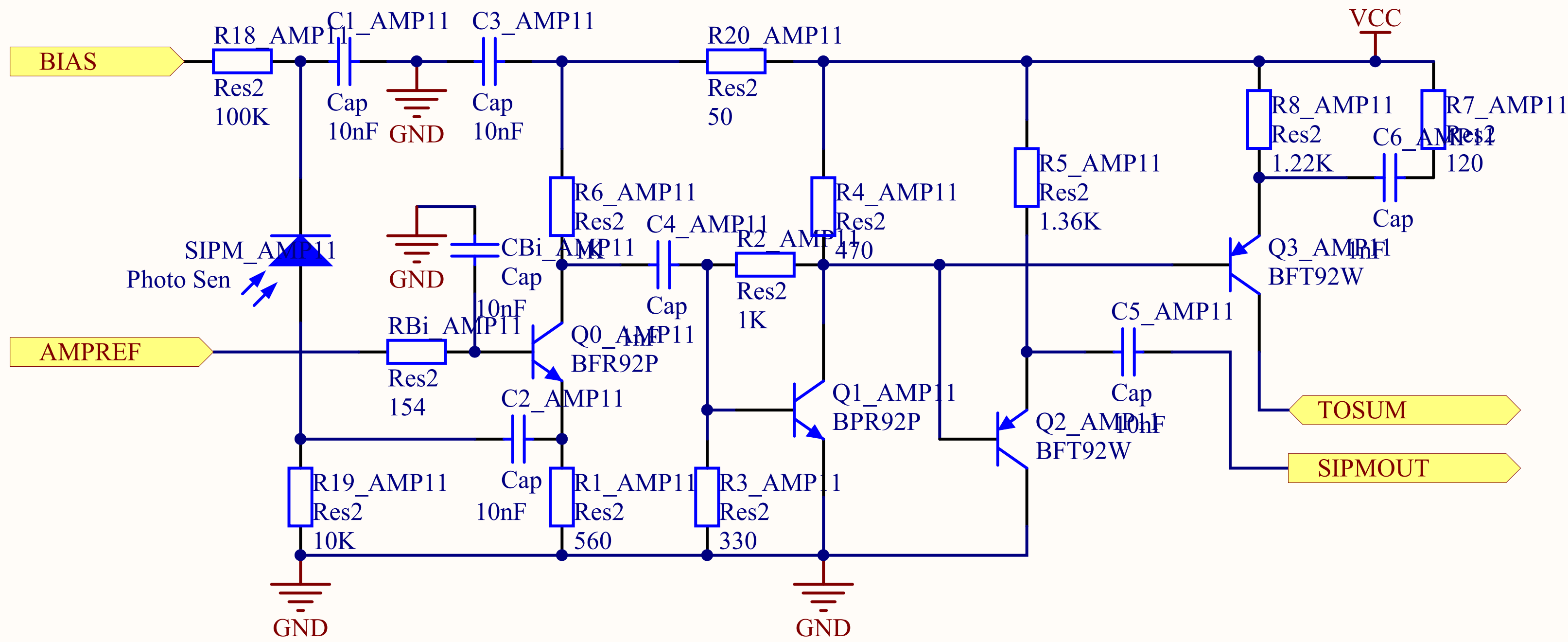
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

A

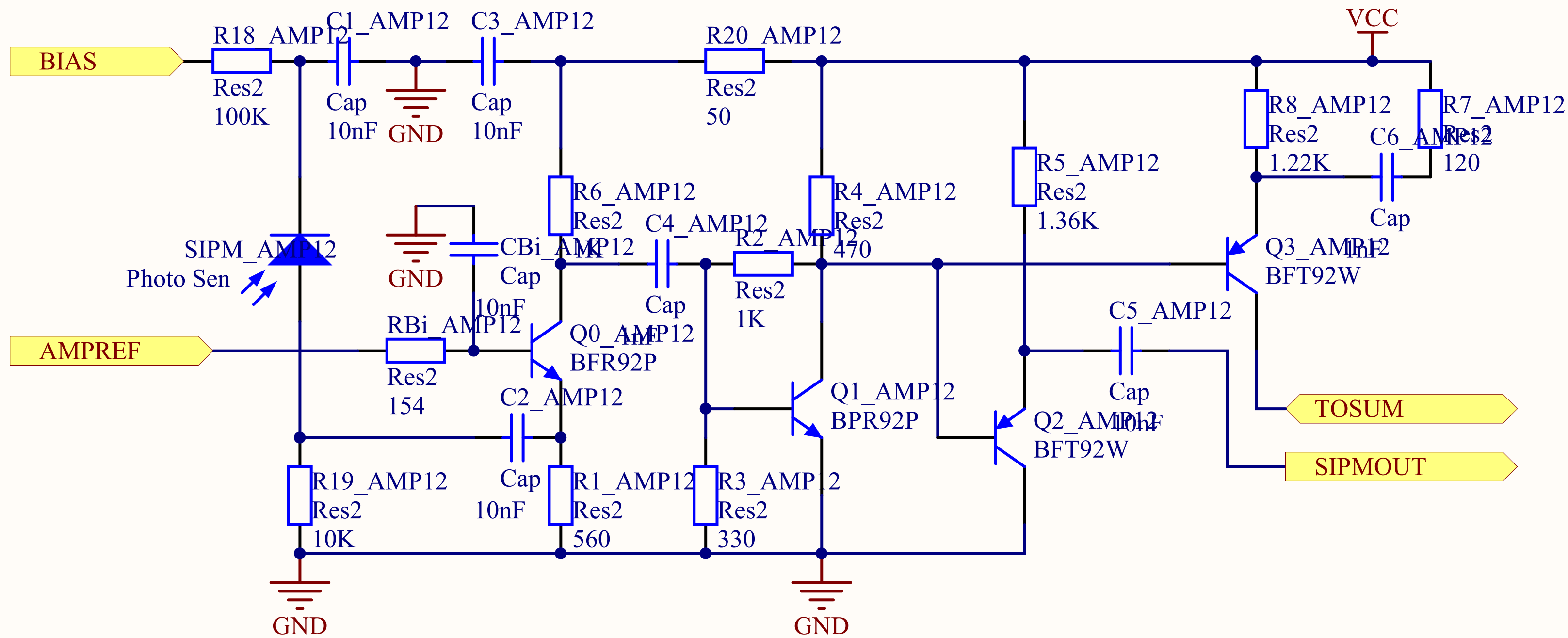
B

C

D



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

A

B

C

D

1

2

3

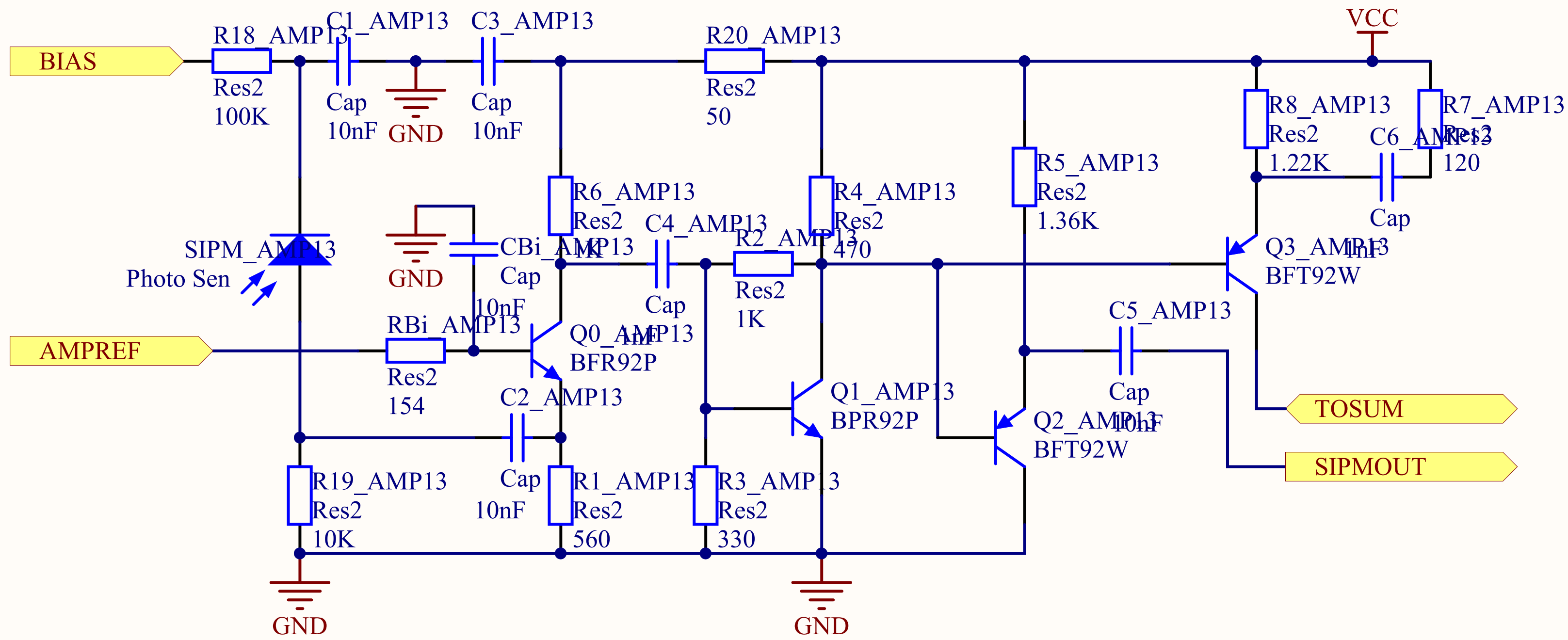
4

A

B

C

D



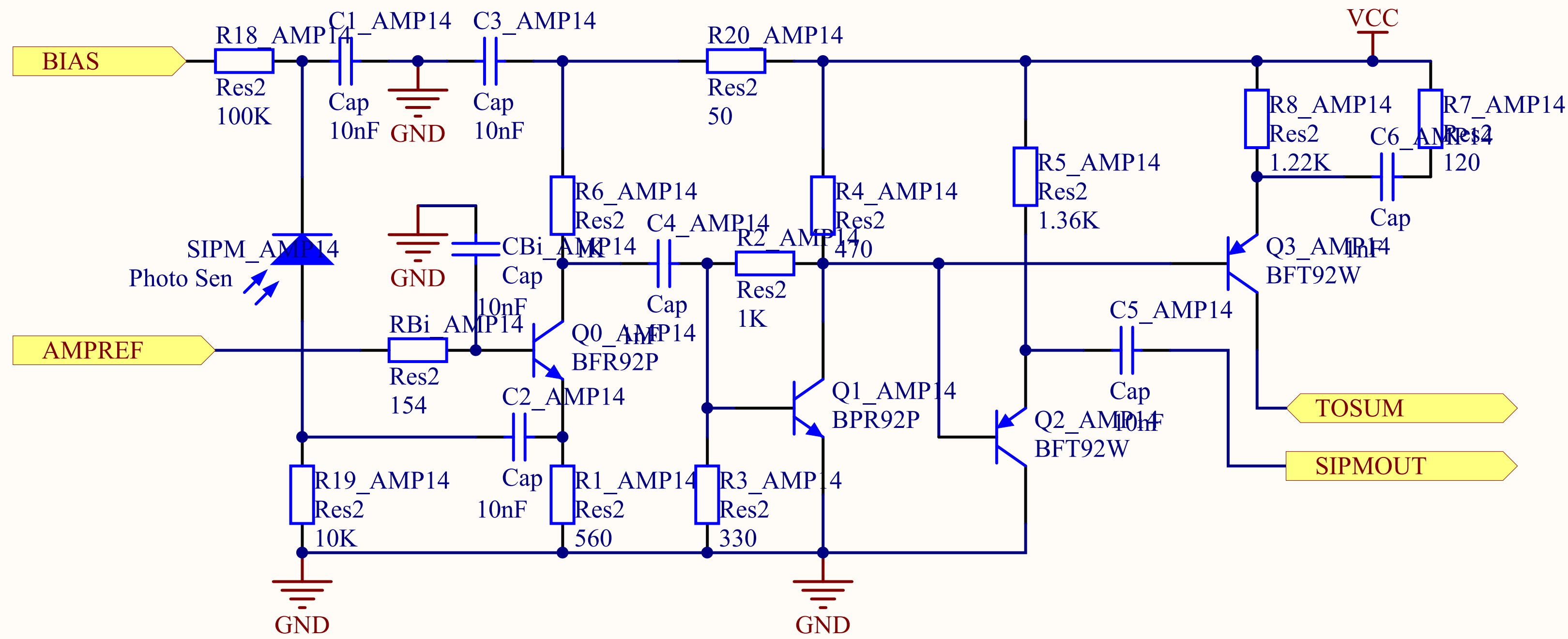
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

1

2

3

4



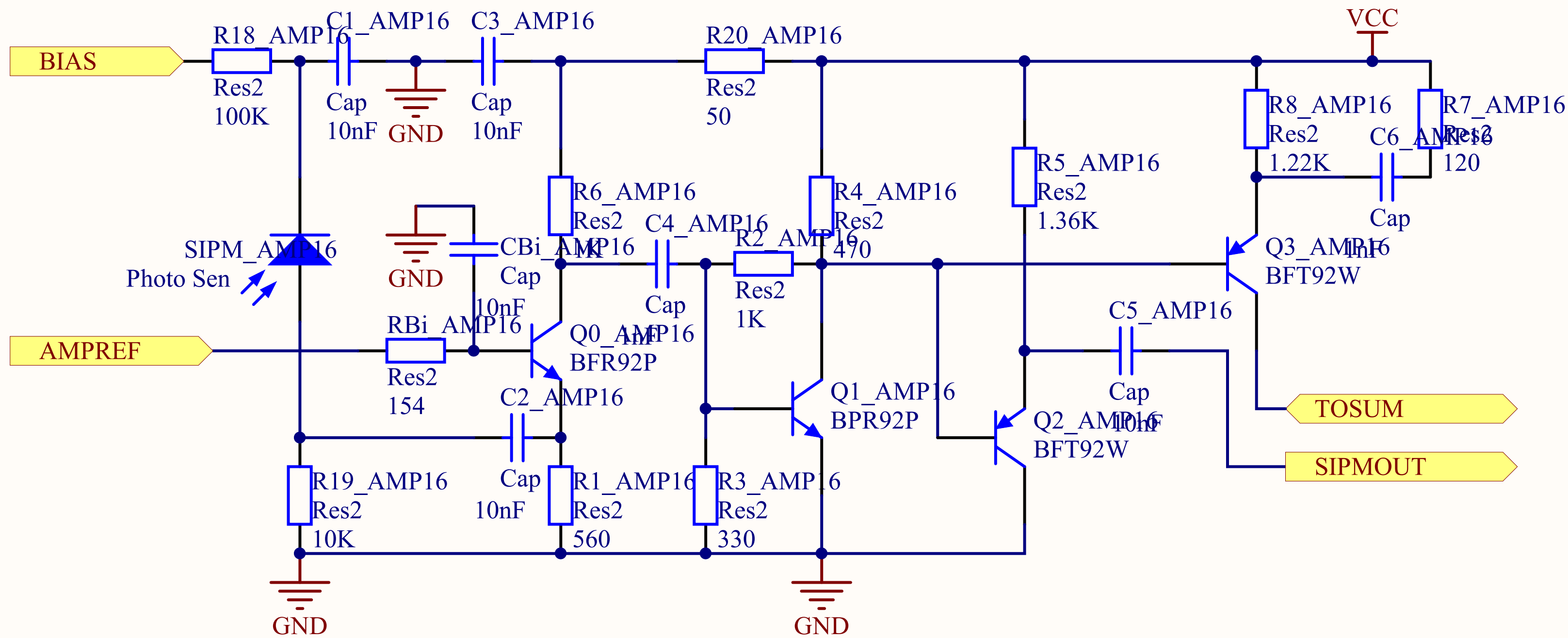
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

A

B

C

D



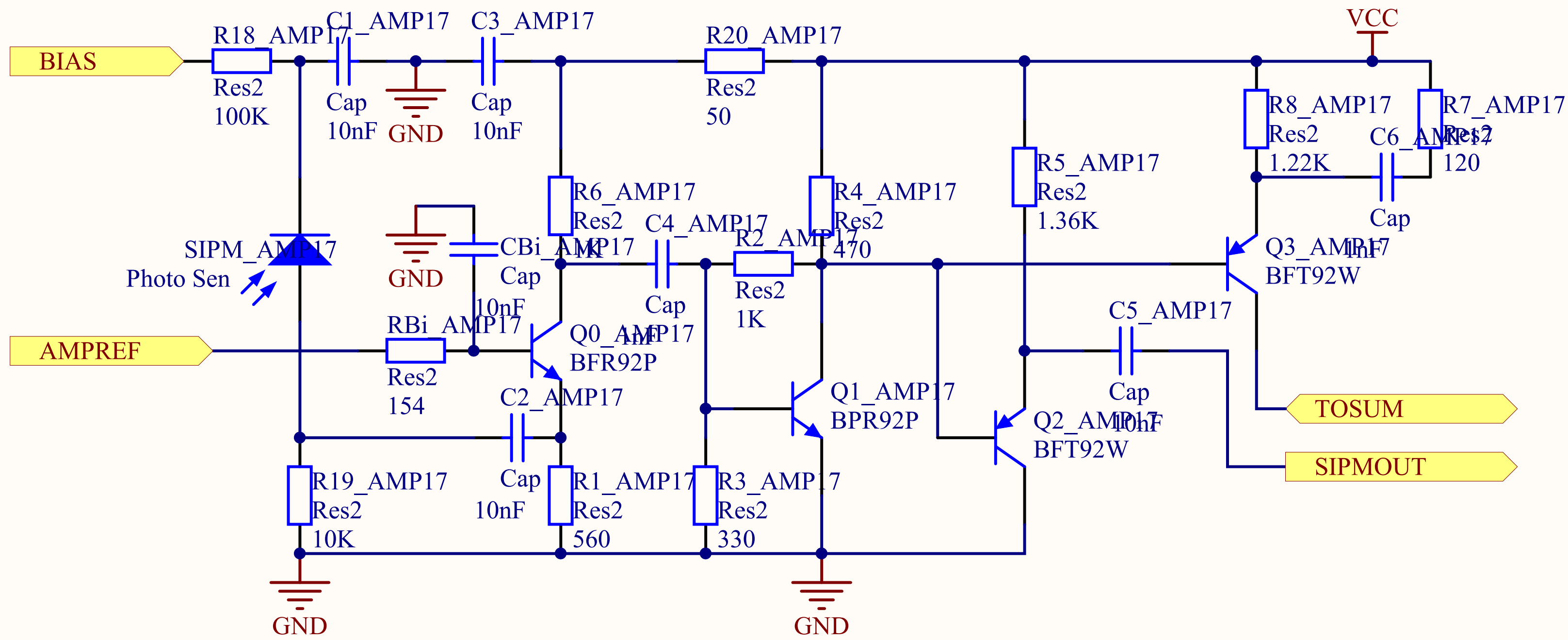
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Drawn By:

A

B

C

D



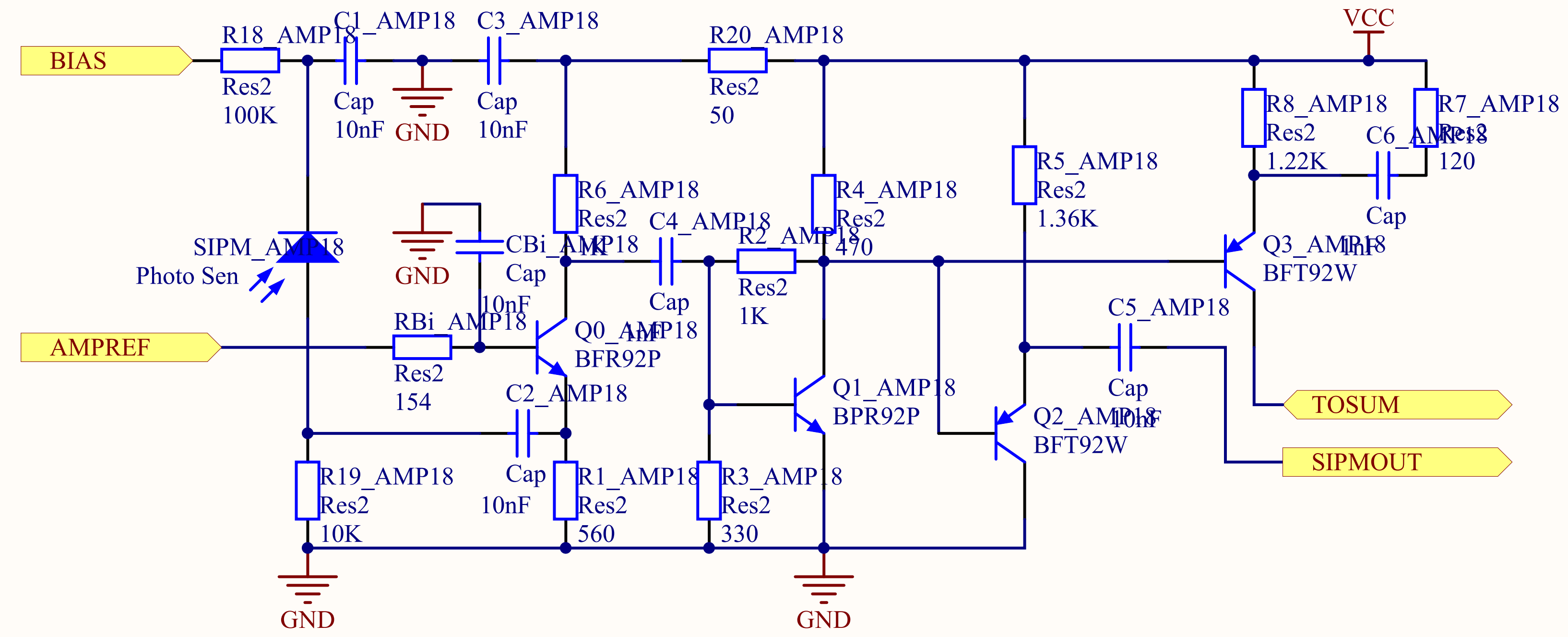
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

A

B

C

D



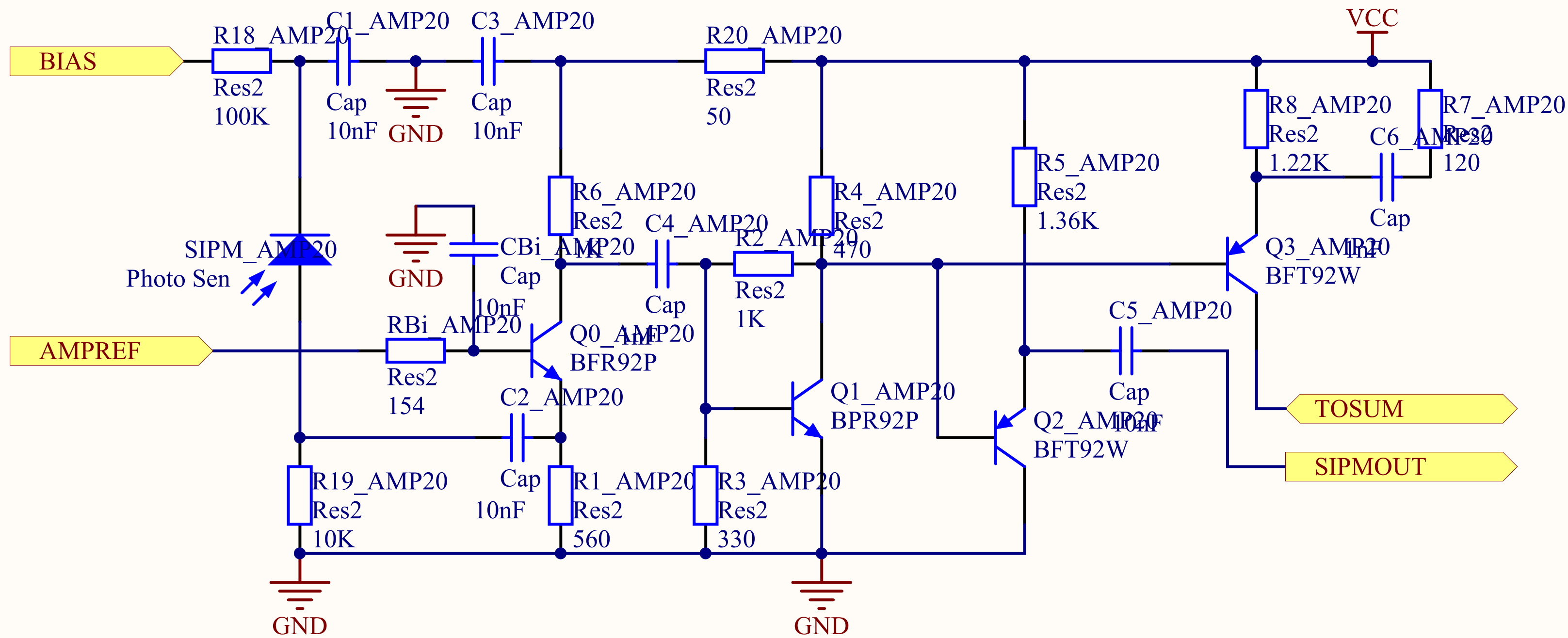
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Drawn By:

A

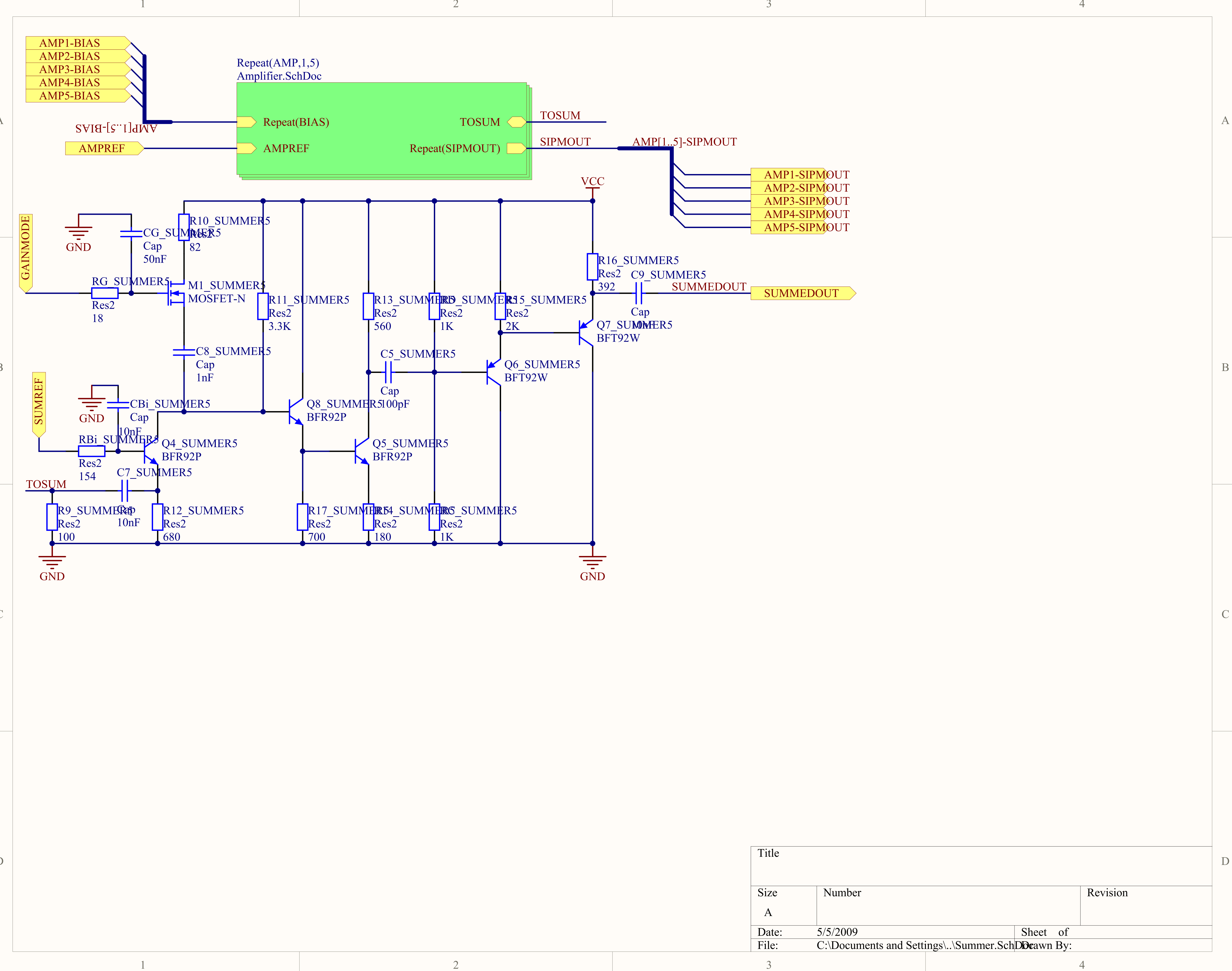
B

C

D



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:



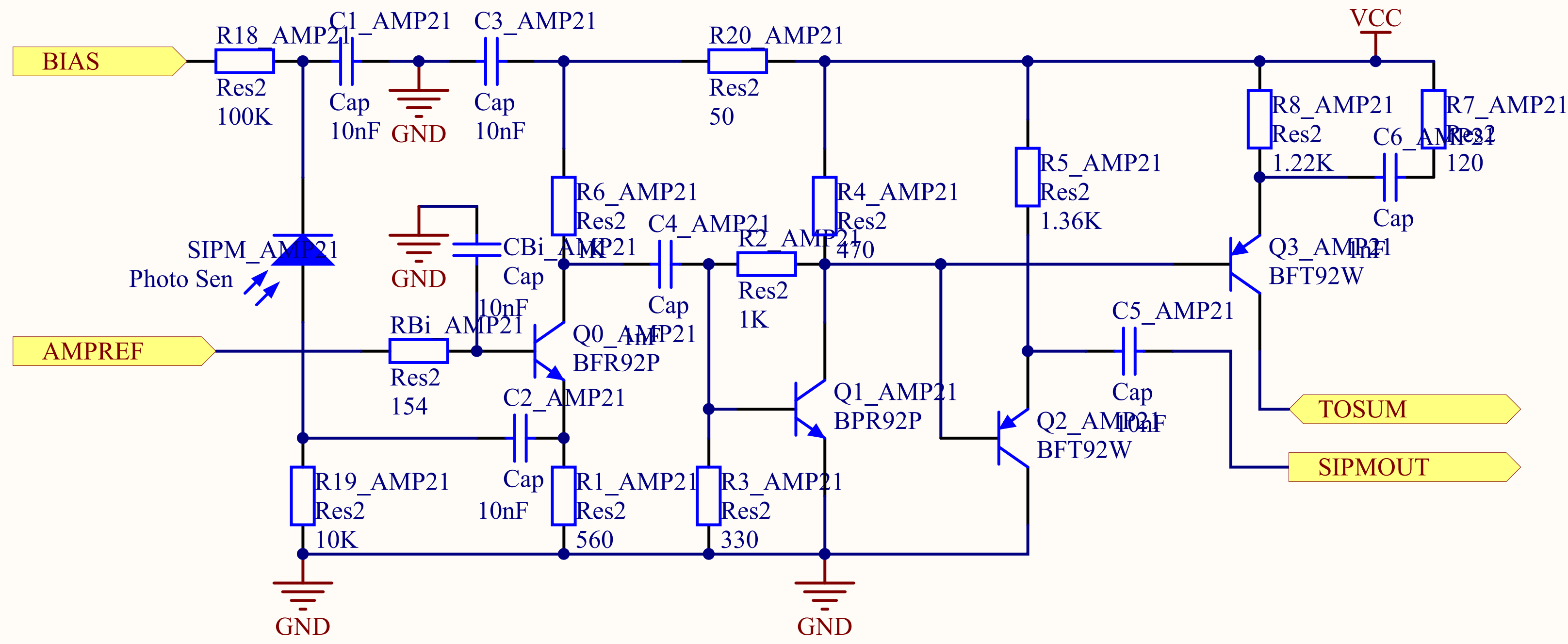
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Summer.SchDoc	Drawn By:

A

B

C

D



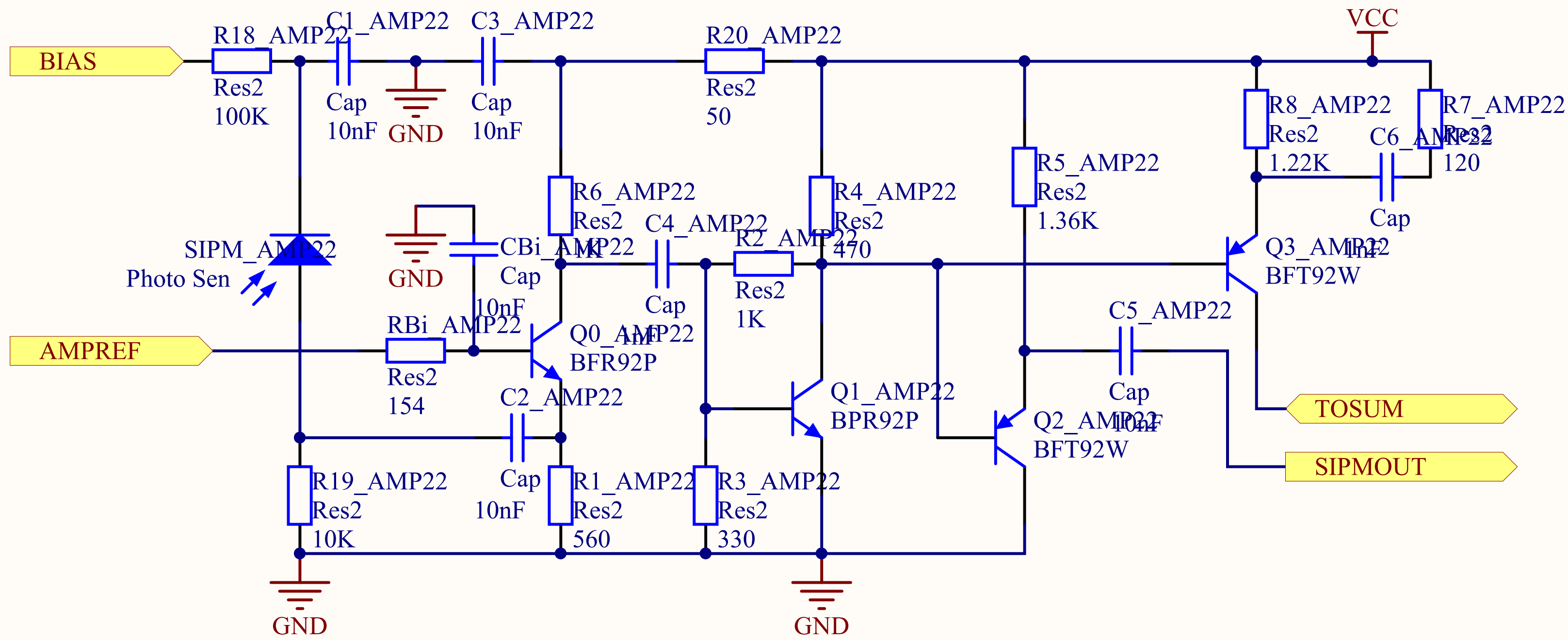
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

A

B

C

D



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

A

A

B

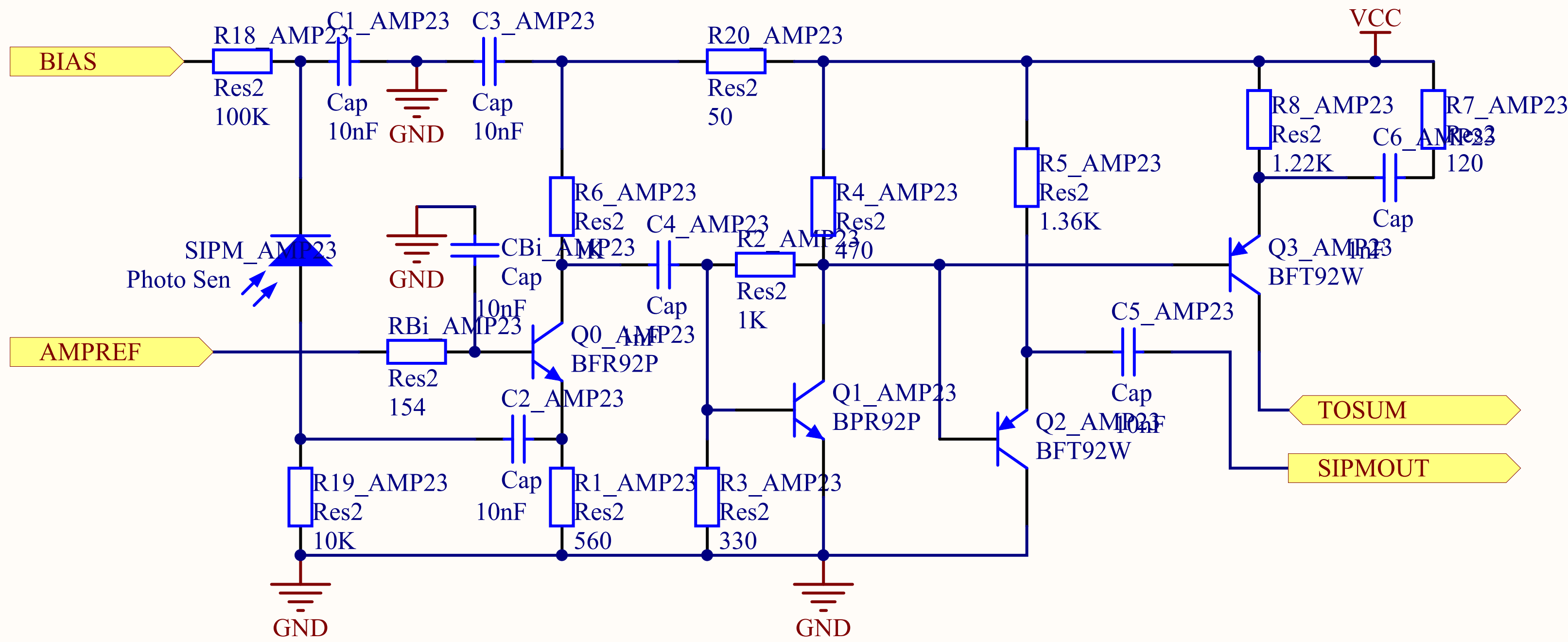
B

C

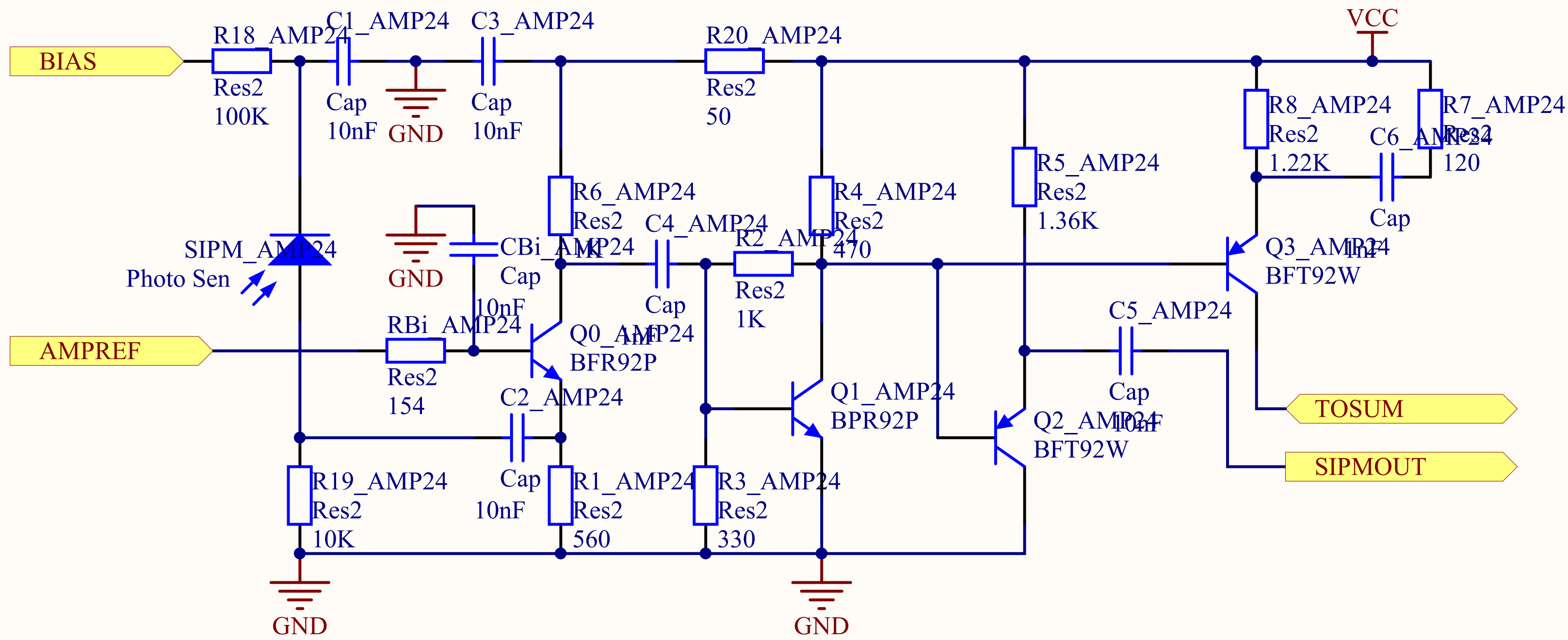
C

D

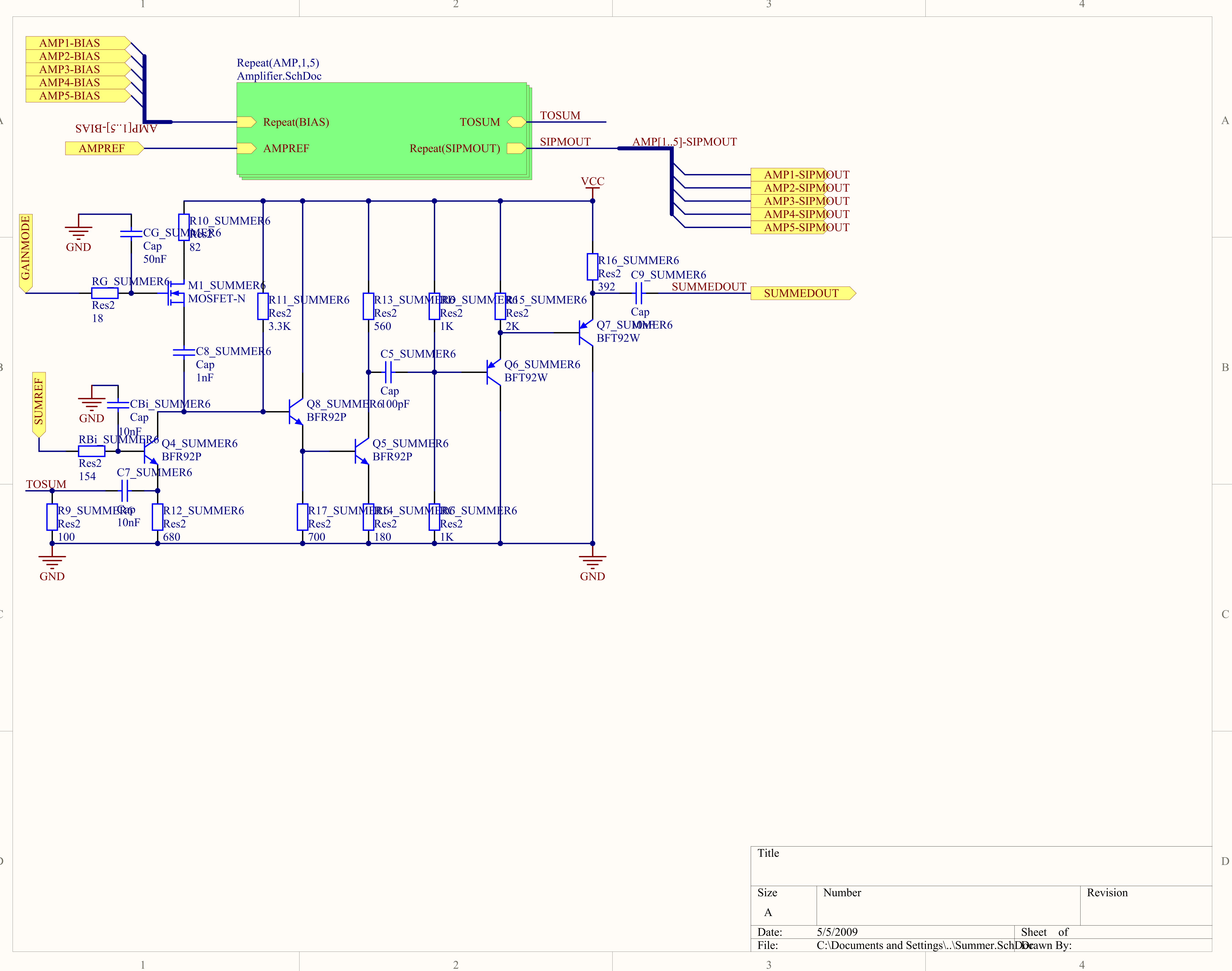
D



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:



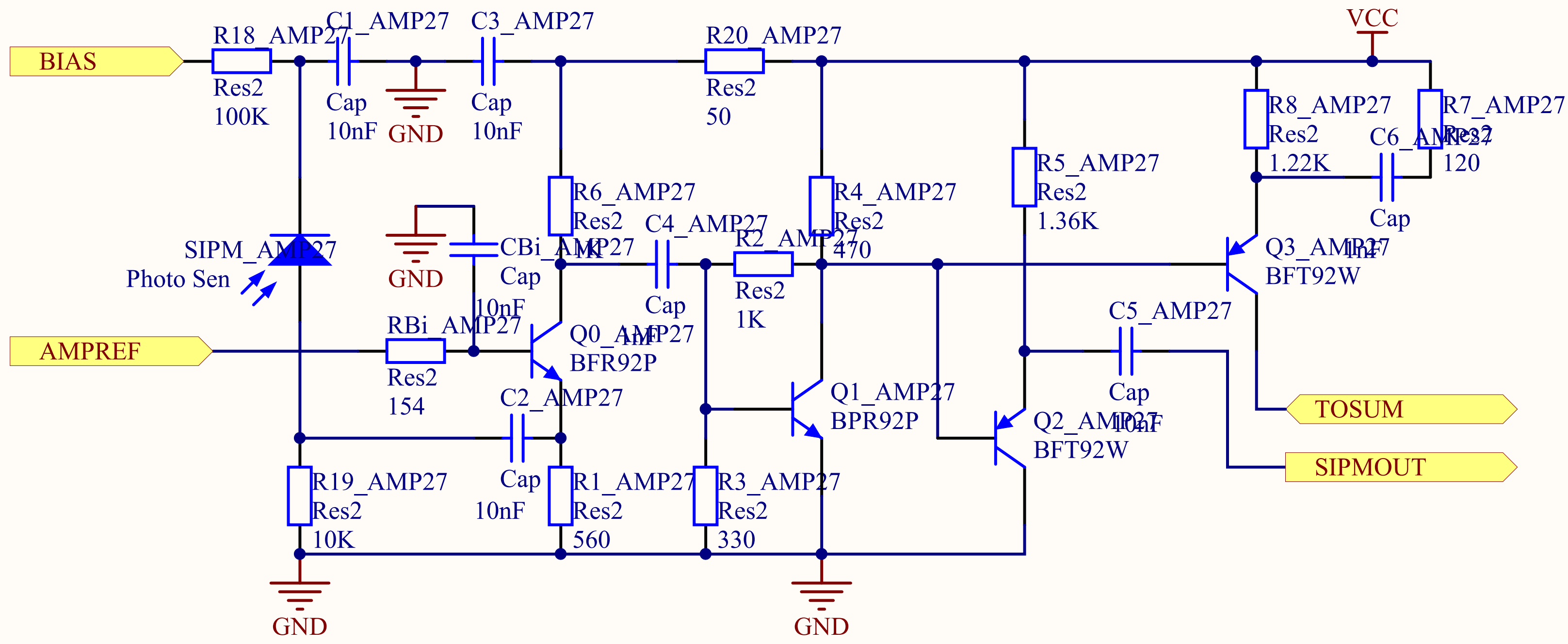
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Summer.SchDoc	Drawn By:

A

B

C

D



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

A

B

C

D

1

2

3

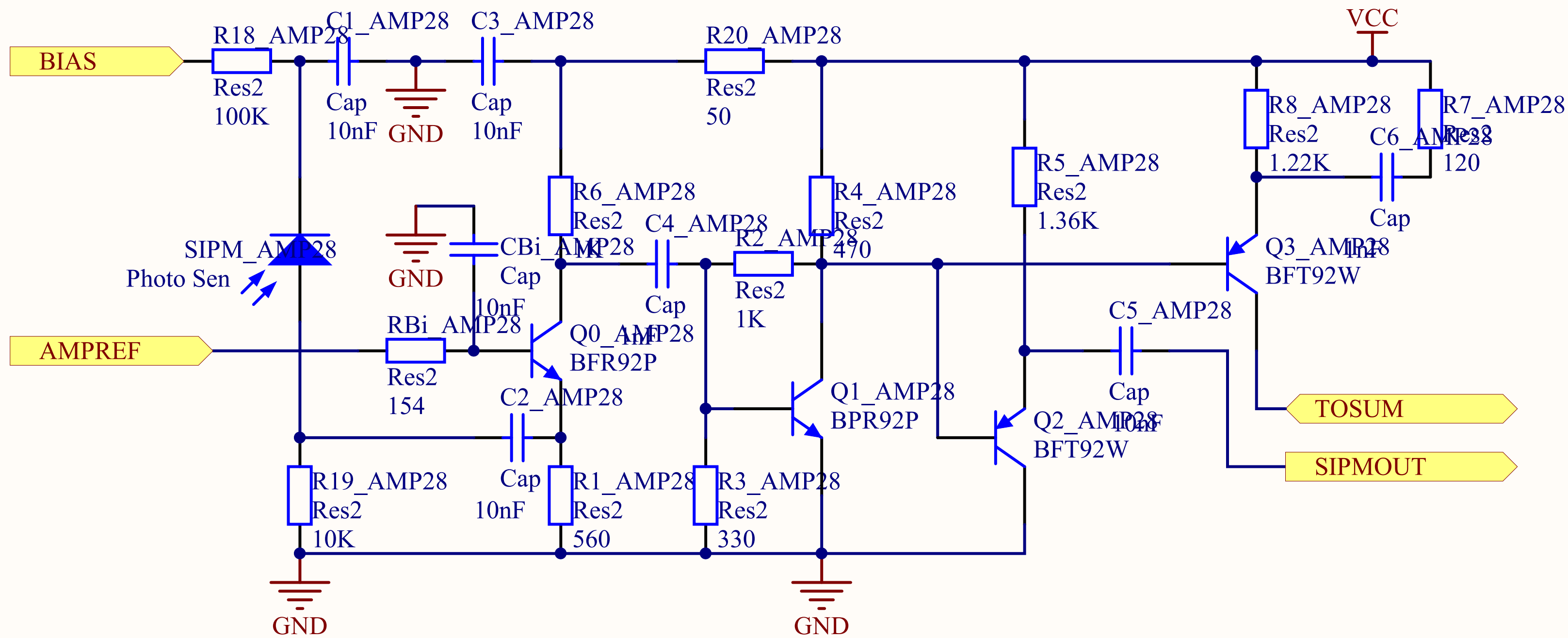
4

A

B

C

D



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

1

2

3

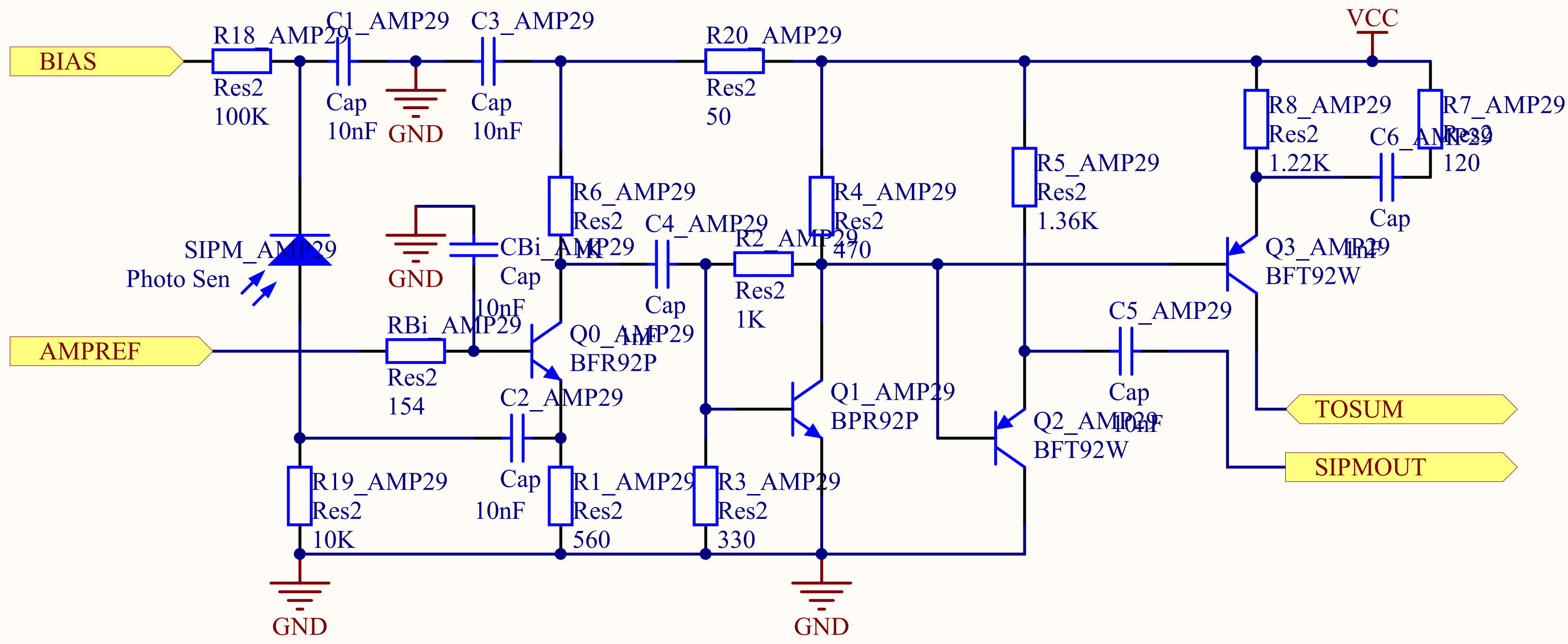
4

A

B

C

D



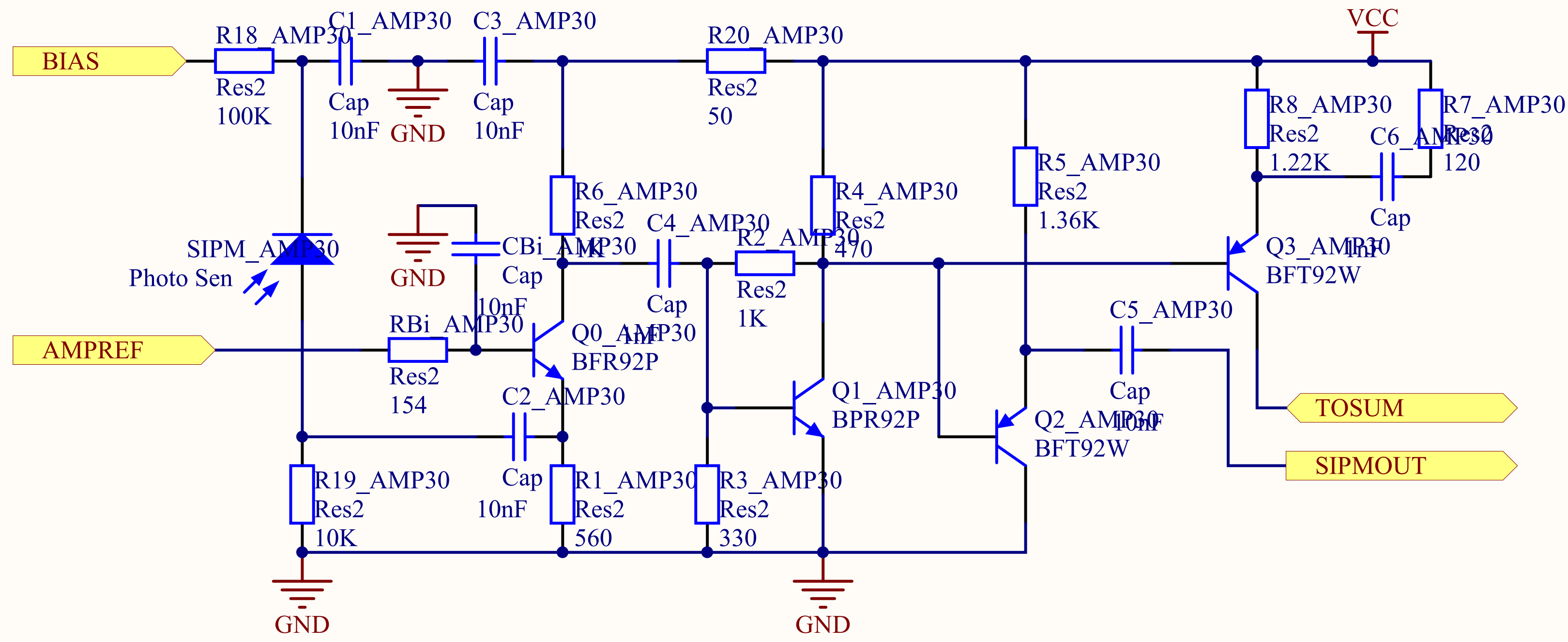
Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Down By:

A

B

C

D



Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Amplifier.SchDoc	Drawn By:

A

B

C

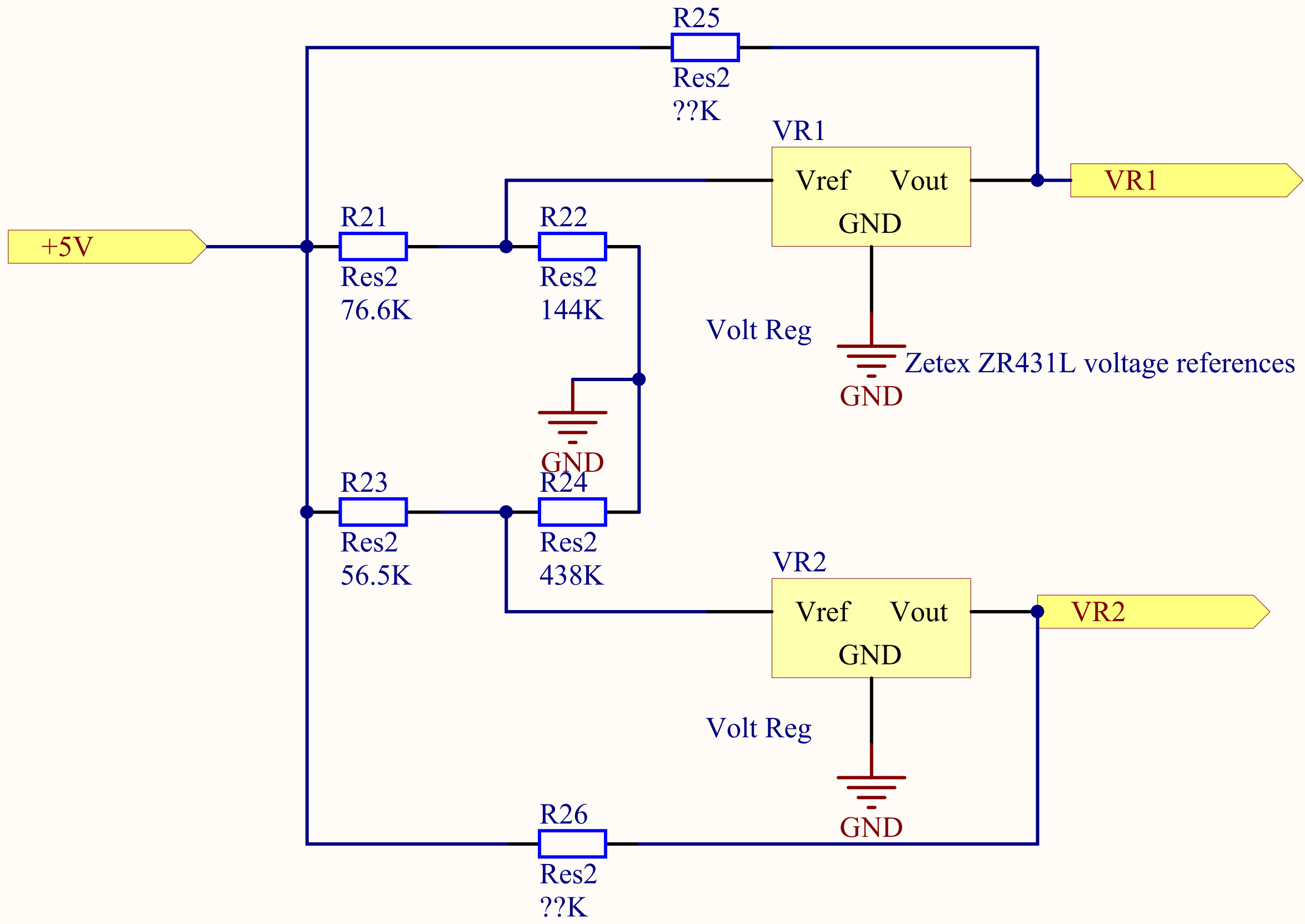
D

A

B

C

D



TODO: Find resistor values for R25, R26

Title		
Size	Number	Revision
A		
Date:	5/5/2009	Sheet of
File:	C:\Documents and Settings\...\Voltage Reference	Drawn By

