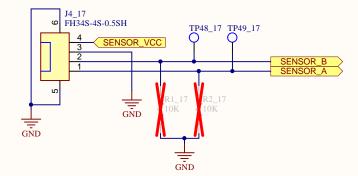


υ J4\_25 FH34S-4S-0.5SH TP48\_25 TP49\_25 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3



Design Notes:		Layout Notes:		SYNAPSE	Project: Ventriloquist	PCBA: Sensor Breakout B
				1511 6th Ave., Suite 400 Seattle, Washington 98101	rejecti ventinequiet	1 CD/11 College Breakeat B
				206.381.0898   www.synapse.com	Sheet Title: Sensor Connectors	
		PROPRIETARY AND CONFIDENTI.  THE INFORMATION CONTAINED IN		PROPRIETARY AND CONFIDENTIAL  THE INFORMATION CONTAINED IN THIS	Drawn by: D. Bruey, M. Ciuffo	
	DRAWING IS POFANY AND RESTRICTED ANY REPRODUCTION INF		DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS	Schematic Part Number: 602-100869	Schematic Revision: 01	
				WRITTEN PERMISSION OF THE OWNER IS PROHIBITED.	Date: 9/13/2016	Sheet: 2 / 3

σ FH34S-4S-0.5SH TP48\_9 TP49\_9 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31.

J4\_1
FH34S-4S-0.5SH

TP48\_1
TP49\_1

SENSOR\_B
SENSOR\_A

R1\_1
GND

R2\_1
TOK

Design Notes:

Layout Notes:

| Stiff till Ave., Saint-400 | Seattle, Washington Betton 100,000 | State, Washington 100,000 | State, Wa

SYNAPSE **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31.

TP48\_2 TP49\_2

σ J4\_2 FH34S-4S-0.5SH

Design Notes:

SYNAPSE **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31.

TP48\_3 TP49\_3

σ J4\_3 FH34S-4S-0.5SH

Design Notes:

The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31. σ J4\_4 FH34S-4S-0.5SH TP48\_4 TP49\_4 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

σ J4\_5 FH34S-4S-0.5SH TP48\_5 TP49\_5 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31. υ J4\_6 FH34S-4S-0.5SH TP48\_6 TP49\_6 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

TP48\_7 TP49\_7

The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31.

σ J4\_7 FH34S-4S-0.5SH

σ J4\_8 FH34S-4S-0.5SH TP48\_8 TP49\_8 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

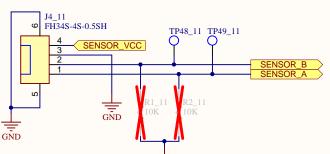
υ J4\_10 FH34S-4S-0.5SH TP48\_10 TP49\_10 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

SYNAPSE **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01

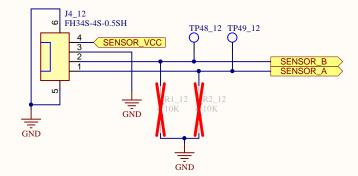
Date: 9/13/2016

Sheet: 2 / 3

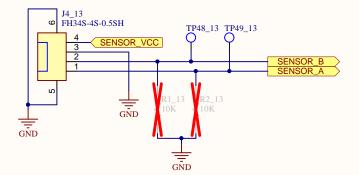
The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31.



Design Notes:

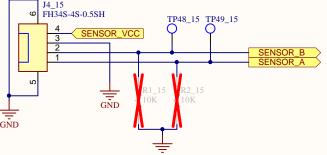


	Design Notes:	Layout Notes:	SYNAPSE	Project: Ventriloquist	PCBA: Sensor Breakout B
			1511 6th Ave., Suite 400	1 1 1 John Tolling quiet	
			Seattle, Washington 98101 206.381.0898   www.synapse.com PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED.	Sheet Title: Sensor Connectors	
				Drawn by: D. Bruey, M. Ciuffo	
				Schematic Part Number: 602-100869	Schematic Revision: 01
				Date: 9/13/2016	Sheet: 2 / 3



Design Notes:	Layout Notes:		SYNAPSE	Project: Ventriloquist	PCBA: Sensor Breakout B
			1511 6th Ave., Suite 400	Troject: Verianoquist	TOBA: Gerisor Breakout B
			Seattle, Washington 98101 206.381.0898   www.synapse.com	Sheet Title: Sensor Connectors	
	DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION		PROPRIETARY AND CONFIDENTIAL  THE INFORMATION CONTAINED IN THIS	- Drawn by: D. Bruey, M. Ciuffo	
			DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS	Schematic Part Number: 602-100869	Schematic Revision: 01
		WRITTEN PERMISSION OFTHE OV PROHIBITED.	WRITTEN PERMISSION OF THE OWNER IS PROHIBITED.	Date: 9/13/2016	Sheet: 2 / 3

σ J4\_14 FH34S-4S-0.5SH TP48\_14 TP49\_14 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3



υ J4\_16 FH34S-4S-0.5SH TP48\_16 TP49\_16 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

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TP48\_18 TP49\_18

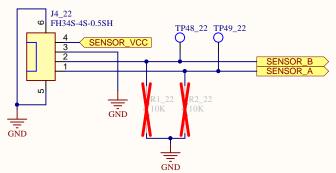
The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31.

σ J4\_18 FH34S-4S-0.5SH

σ J4\_19 FH34S-4S-0.5SH TP48\_19 TP49\_19 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31. υ J4\_20 FH34S-4S-0.5SH TP48\_20 TP49\_20 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

σ J4\_21 FH34S-4S-0.5SH TP48\_21 TP49\_21 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3



Design Notes:	Layout Notes:		SYNAPSE	Project: Ventriloquist	PCBA: Sensor Breakout B
			1511 6th Ave., Suite 400	Troject: Verianoquist	TOBA: Gerisor Breakout B
			Seattle, Washington 98101 206.381.0898   www.synapse.com	Sheet Title: Sensor Connectors	
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			DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS	Schematic Part Number: 602-100869	Schematic Revision: 01
		WRITTEN PERMISSION OFTHE OV PROHIBITED.	WRITTEN PERMISSION OF THE OWNER IS PROHIBITED.	Date: 9/13/2016	Sheet: 2 / 3

The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31.

J4\_23

© FH34S-4S-0.5SH

TP48\_23 TP49\_23

4 SENSOR\_VCC

2 SENSOR\_B



The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31. σ J4\_24 FH34S-4S-0.5SH TP48\_24 TP49\_24 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31. υ J4\_26 FH34S-4S-0.5SH TP48\_26 TP49\_26 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31.

TP48\_27 TP49\_27

υ J4\_27 FH34S-4S-0.5SH

σ J4\_28 FH34S-4S-0.5SH TP48\_28 TP49\_28 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

The Sensor Port Number is the J4 instance number minus 1. For example J4\_1 is Port #0 and J4\_32 is Port #31. σ J4\_29 FH34S-4S-0.5SH TP48\_29 TP49\_29 SYNAPSE Design Notes: **Layout Notes:** PCBA: Sensor Breakout B **Project:** Ventriloquist 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com **Sheet Title:** Sensor Connectors PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Schematic Part Number: 602-100869 Schematic Revision: 01 Date: 9/13/2016 Sheet: 2 / 3

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The Sensor Port Number is the J4 instance number minus 1.

For example J4\_1 is Port #0 and J4\_32 is Port #31.

J4\_31
FH34S-4S-0.5SH

4
SENSOR\_VCC

2
SENSOR\_B
SENSOR\_A

R1\_31
R2\_31
10K

R1\_31
R2\_31
10K

Design Notes:

Layout Notes:

| SYNAPSE | Strict Name, Similer Mode | Strict Name | St

