

CHANGE HISTORY			
REV	PAGE/ZONE	DESCRIPTION OF CHANGE	DATE
R01	Alpha Release		7/22/2016

U_RevisionLog
RevisionLog.SchDoc

REPEAT(U_SensorConn1,1,8)
SensorConn.SchDoc



SENSOR_E SENSOR_E[1..8]
SENSOR_D SENSOR_D[1..8]
SENSOR_VCC1

SENSOR_VCC1[1..4]

REPEAT(U_SensorConn2,9,16)
SensorConn.SchDoc



SENSOR_E SENSOR_E[9..16]
SENSOR_D SENSOR_D[9..16]
SENSOR_VCC2

REPEAT(U_SensorConn3,17,24)
SensorConn.SchDoc



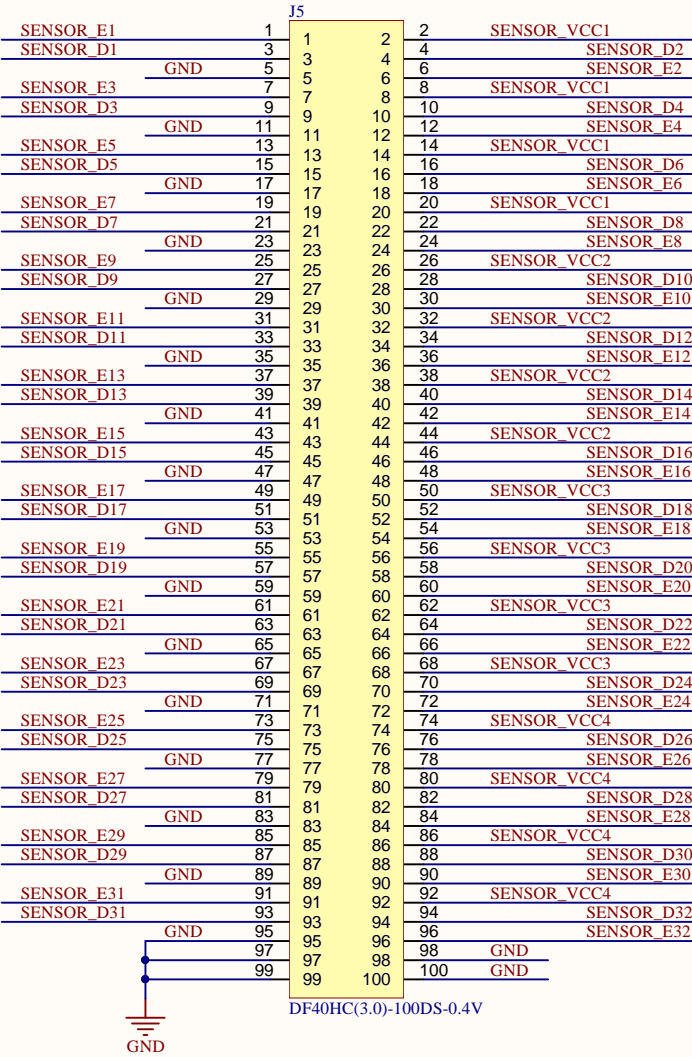
SENSOR_E SENSOR_E[17..24]
SENSOR_D SENSOR_D[17..24]
SENSOR_VCC3

REPEAT(U_SensorConn4,25,32)
SensorConn.SchDoc



SENSOR_E SENSOR_E[25..32]
SENSOR_D SENSOR_D[25..32]
SENSOR_VCC4

▲ Signals on the odd numbered ports are swapped to ease layout and avoid vias in the flex circuit. This difference must be accounted for in the FPGA pin connect file.



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Project: Ventriloquist

PCBA: HMD Sensor Breakout FPC

Sheet Title: Core Module

Drawn by: D. Bruey, M. Ciuffo

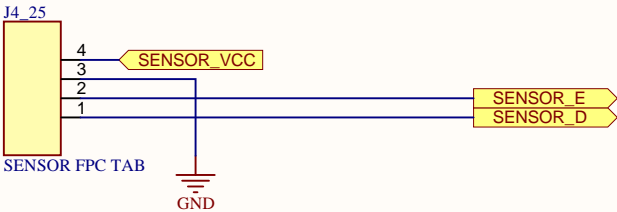
Schematic Part Number: 602-100885

Schematic Revision: 01

Date: 9/14/2016

Sheet: 1 / 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



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Project: Ventriloquist

PCBA: HMD Sensor Breakout FPC

Sheet Title: Sensor Connectors

Drawn by: D. Bruey, M. Ciuffo

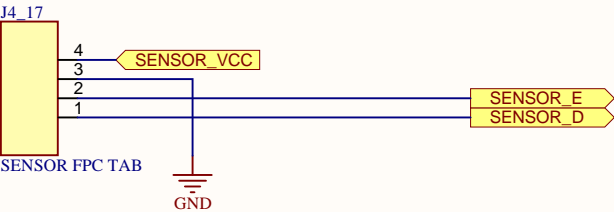
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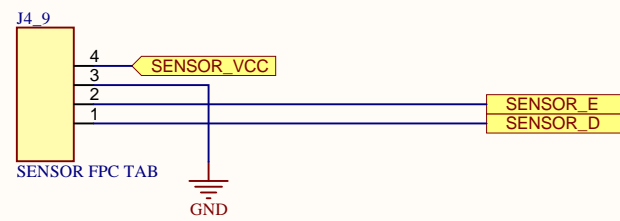
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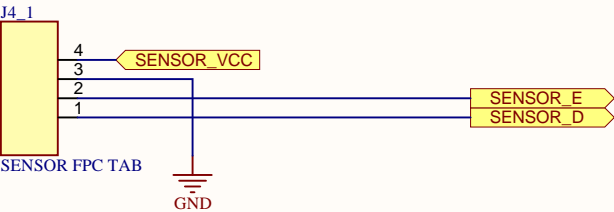
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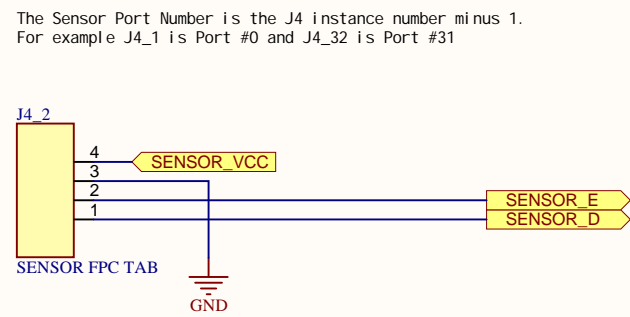
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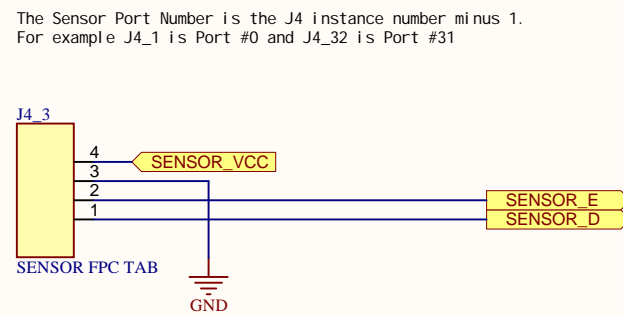
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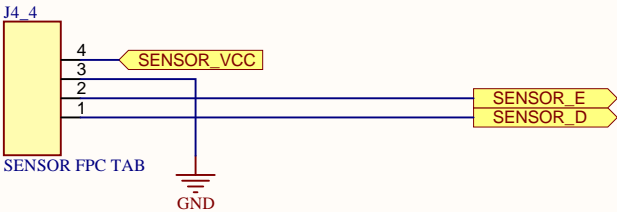


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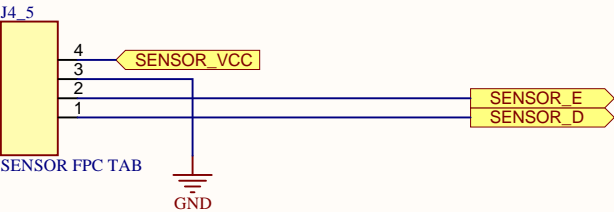
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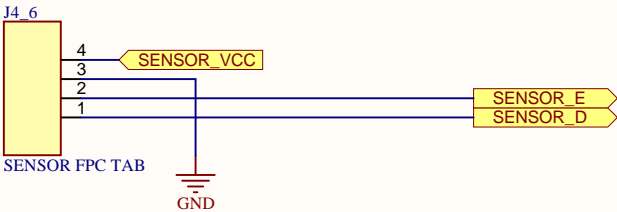
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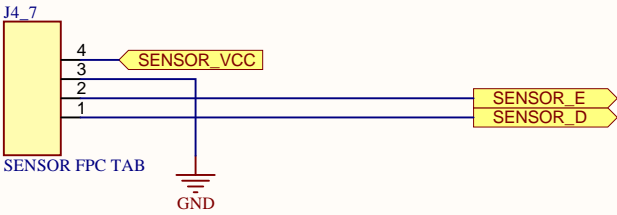
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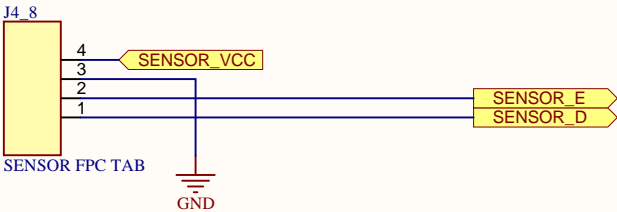
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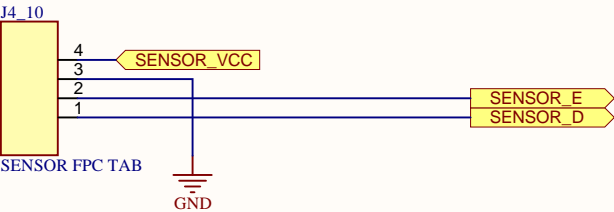
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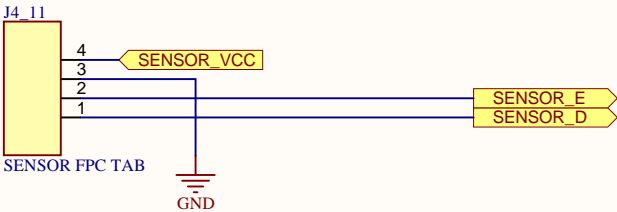
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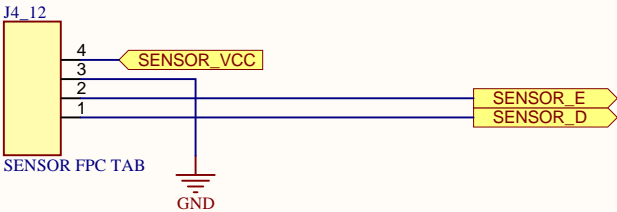
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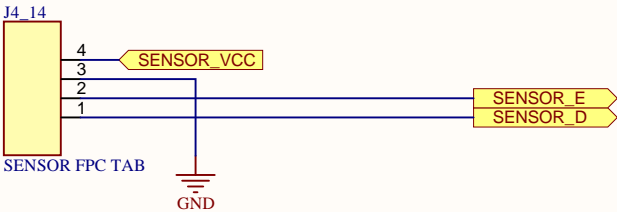
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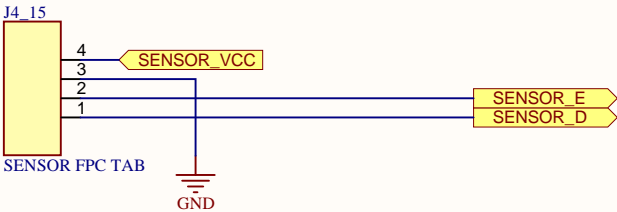
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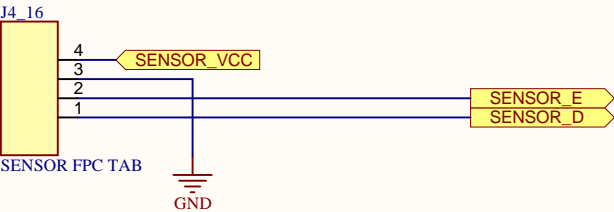
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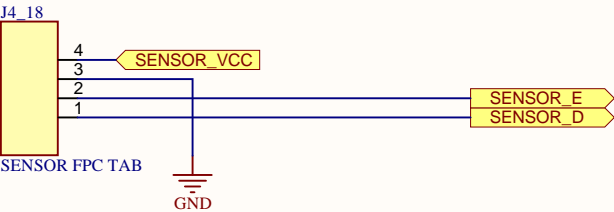
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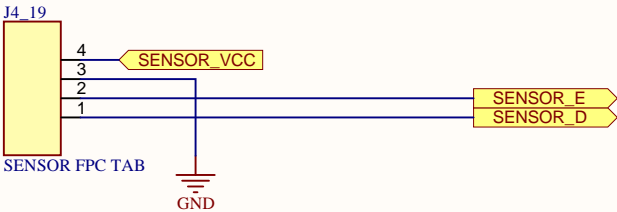
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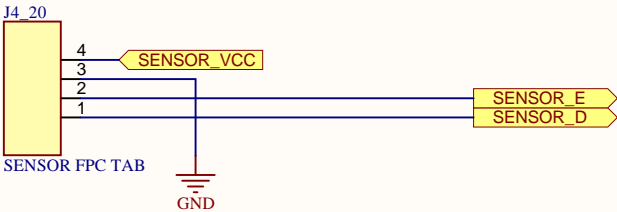
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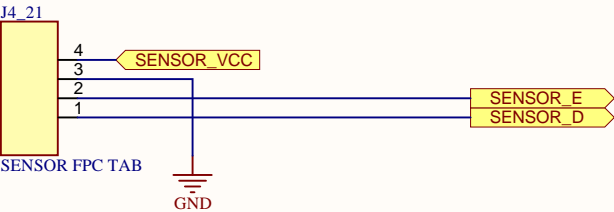
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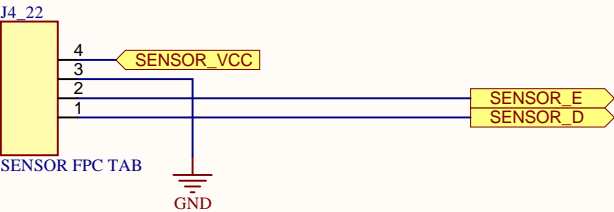
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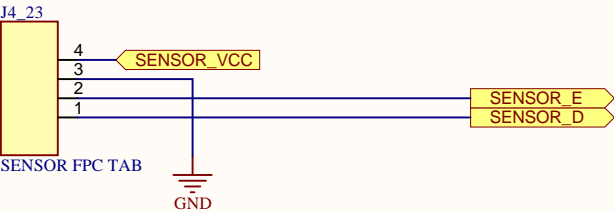
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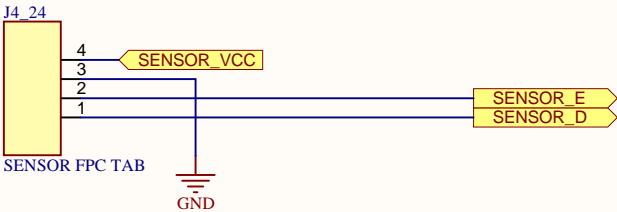
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The Sensor Port Number is the J4 instance number minus 1.
For example J4_1 is Port #0 and J4_32 is Port #31



Design Notes:

Layout Notes:

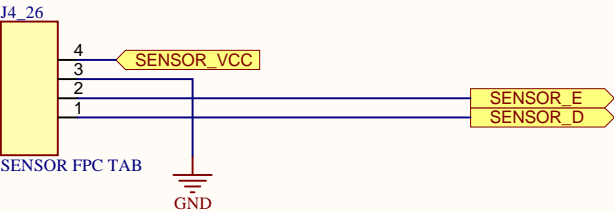
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Project: Ventriloquist	PCBA: HMD Sensor Breakout FPC
Sheet Title: Sensor Connectors	
Drawn by: D. Bruey, M. Ciuffo	
Schematic Part Number: 602-100885	Schematic Revision: 01
Date: 9/14/2016	Sheet: 2 / 3

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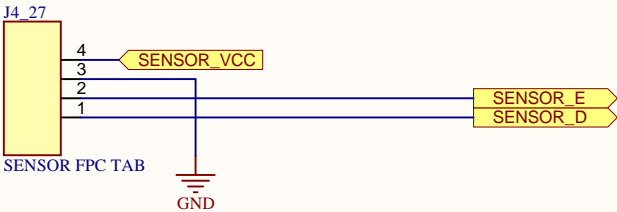
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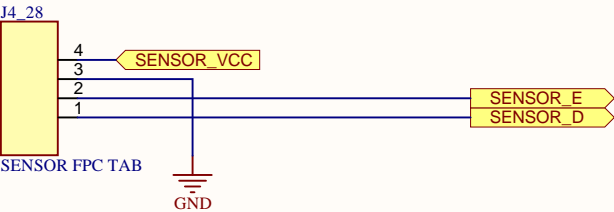
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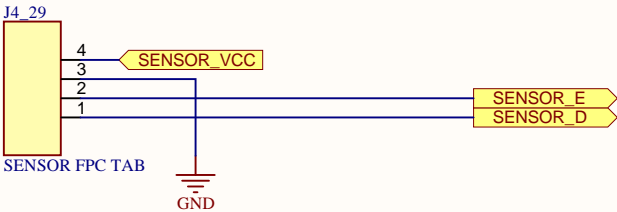
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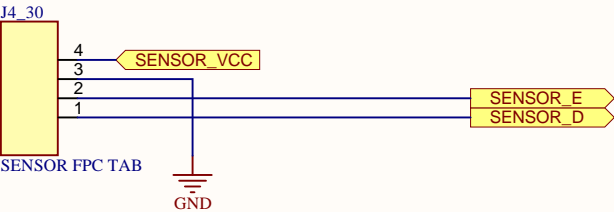
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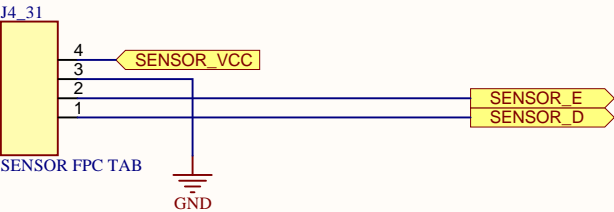
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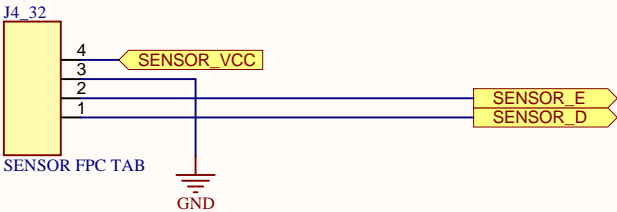
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Drawn by: D. Bruey, M. Ciuffo	
Schematic Part Number: 602-100885	Schematic Revision: 01
Date: 9/14/2016	Sheet: 2 / 3

CHANGE HISTORY		
REV	DESCRIPTION OF CHANGE	DATE
R01	Alpha Release	7/22/2016

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Project: Ventriloquist

PCBA: HMD Sensor Breakout FP

Sheet Title: Revision Log

Drawn by: D. Bruey, M. Ciuffo

Schematic Part Number: 602-100885

Schematic Revision: 01

Date: 9/14/2016

Sheet: 3 / 3

Design Notes:

Layout Notes: