

A

B

C

D

1

1

2

2

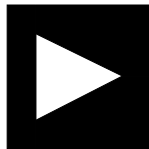
3

3

4

4

# BLACKFIN EZ-EXTENDER SCHEMATIC



**ANALOG  
DEVICES**

20 Cotton Road  
Nashua, NH 03063  
PH: 1-800-ANALOGD

Title                      BLACKFIN EZ-EXTENDER  
TITLE

|           |                         |            |
|-----------|-------------------------|------------|
| Size<br>C | Board No.<br>A0186-2003 | Rev<br>2.0 |
|-----------|-------------------------|------------|

|                        |                       |
|------------------------|-----------------------|
| Date<br>4-24-2006_9:34 | Sheet    1    of    7 |
|------------------------|-----------------------|

A

B

C

D

1

2

3

4

A

B

C

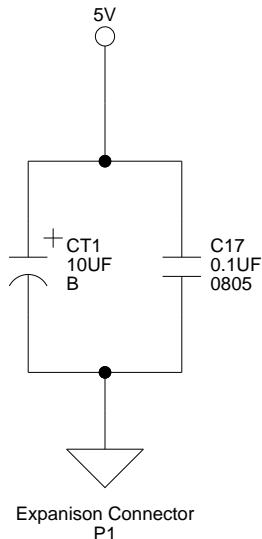
D

1

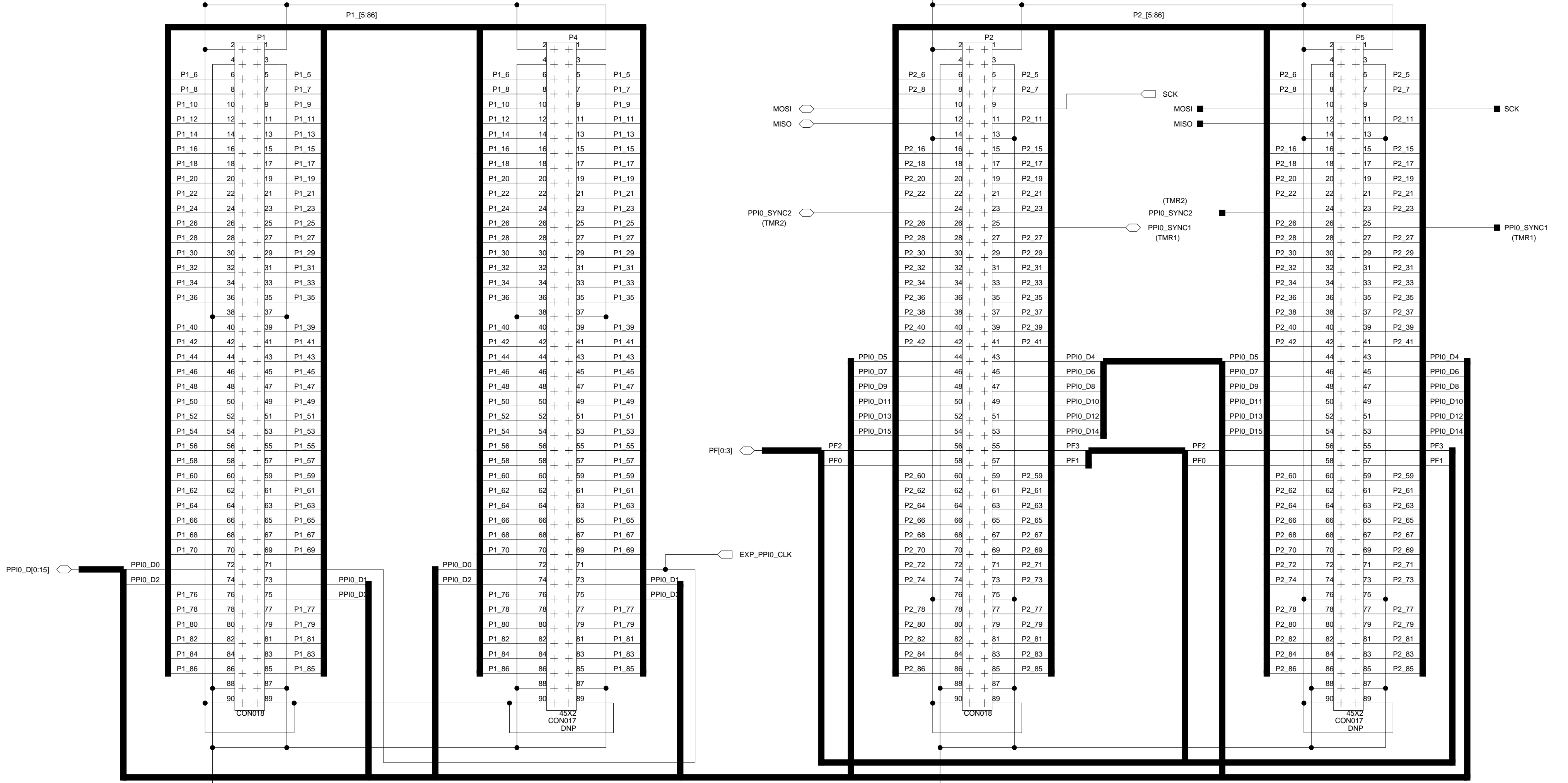
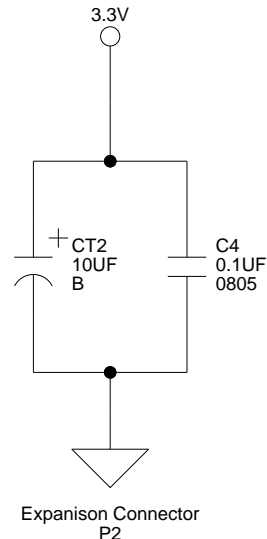
2

3

4



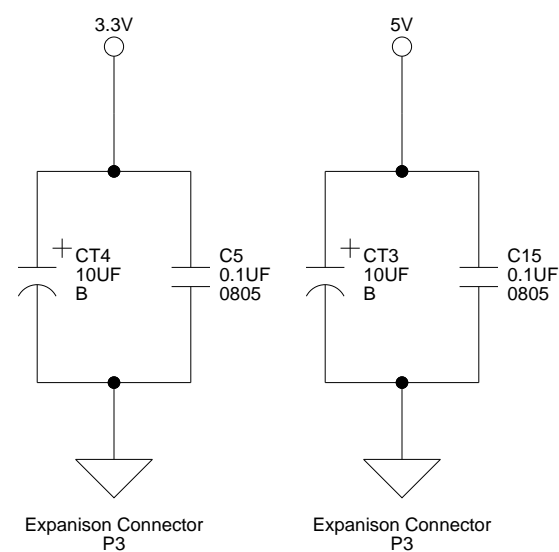
EXPANSION INTERFACE (TYPE B)



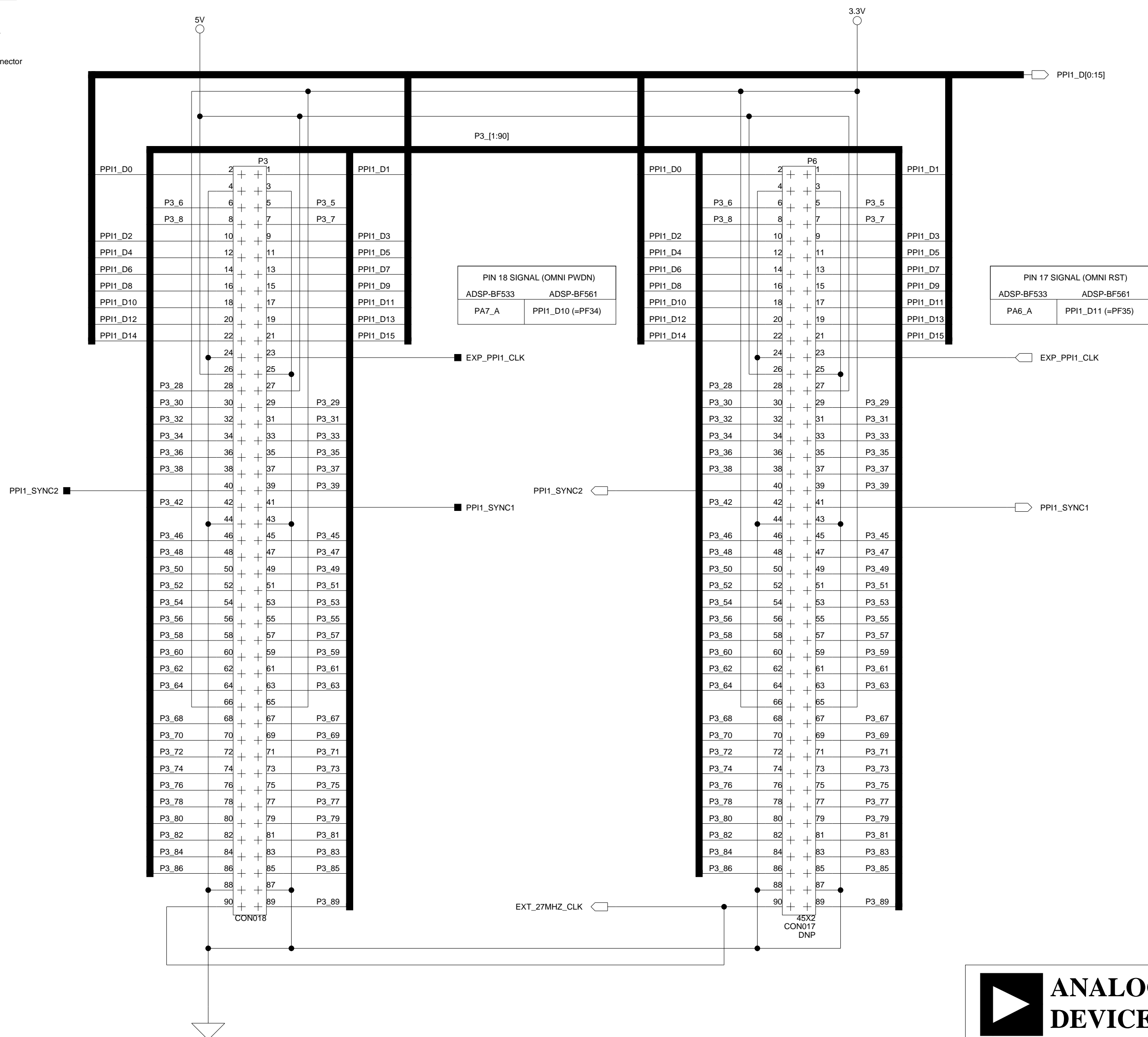
**ANALOG  
DEVICES**

20 Cotton Road  
Nashua, NH 03063  
PH: 1-800-ANALOGD

|           |                |  |   |      |            |
|-----------|----------------|--|---|------|------------|
| Title     |                |  | BLACKFIN EZ-EXTENDER<br>EXPANSION CONNECTOR 1 AND 2 |      |            |
| Size<br>C | Board No.      |  | A0186-2003  |      | Rev<br>2.0 |
| Date      | 4-24-2006_9:34 |  | Sheet   | 2 of | 7          |



## EXPANSION INTERFACE (TYPE B)

ANALOG  
DEVICES

20 Cotton Road  
Nashua, NH 03063  
PH: 1-800-ANALOGD

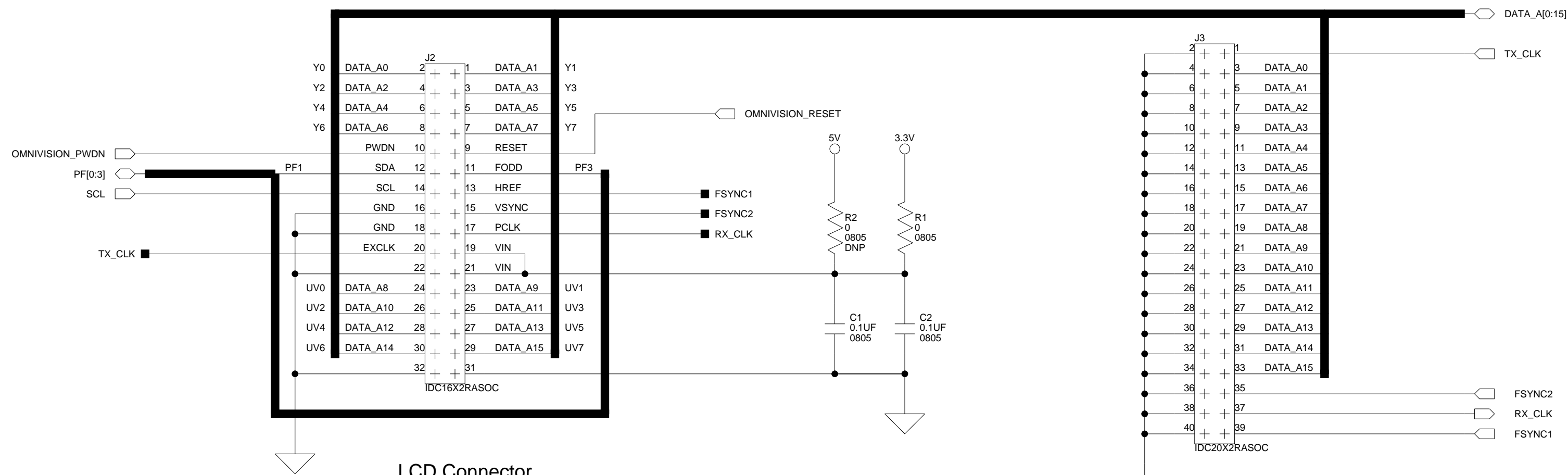
|              |   |
|--------------|---|
| <b>Title</b> | BLACKFIN EZ-EXTENDER<br>EXPANSION CONNECTOR 3 |
|--------------|---|

|           |                         |            |
|-----------|-------------------------|------------|
| Size<br>C | Board No.<br>A0186-2003 | Rev<br>2.0 |
|-----------|-------------------------|------------|

|             |                |              |   |           |   |
|-------------|----------------|--------------|---|-----------|---|
| <b>Date</b> | 4-24-2006 9:34 | <b>Sheet</b> | 3 | <b>of</b> | 7 |
|-------------|----------------|--------------|---|-----------|---|

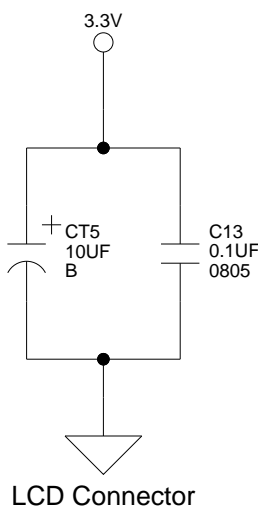
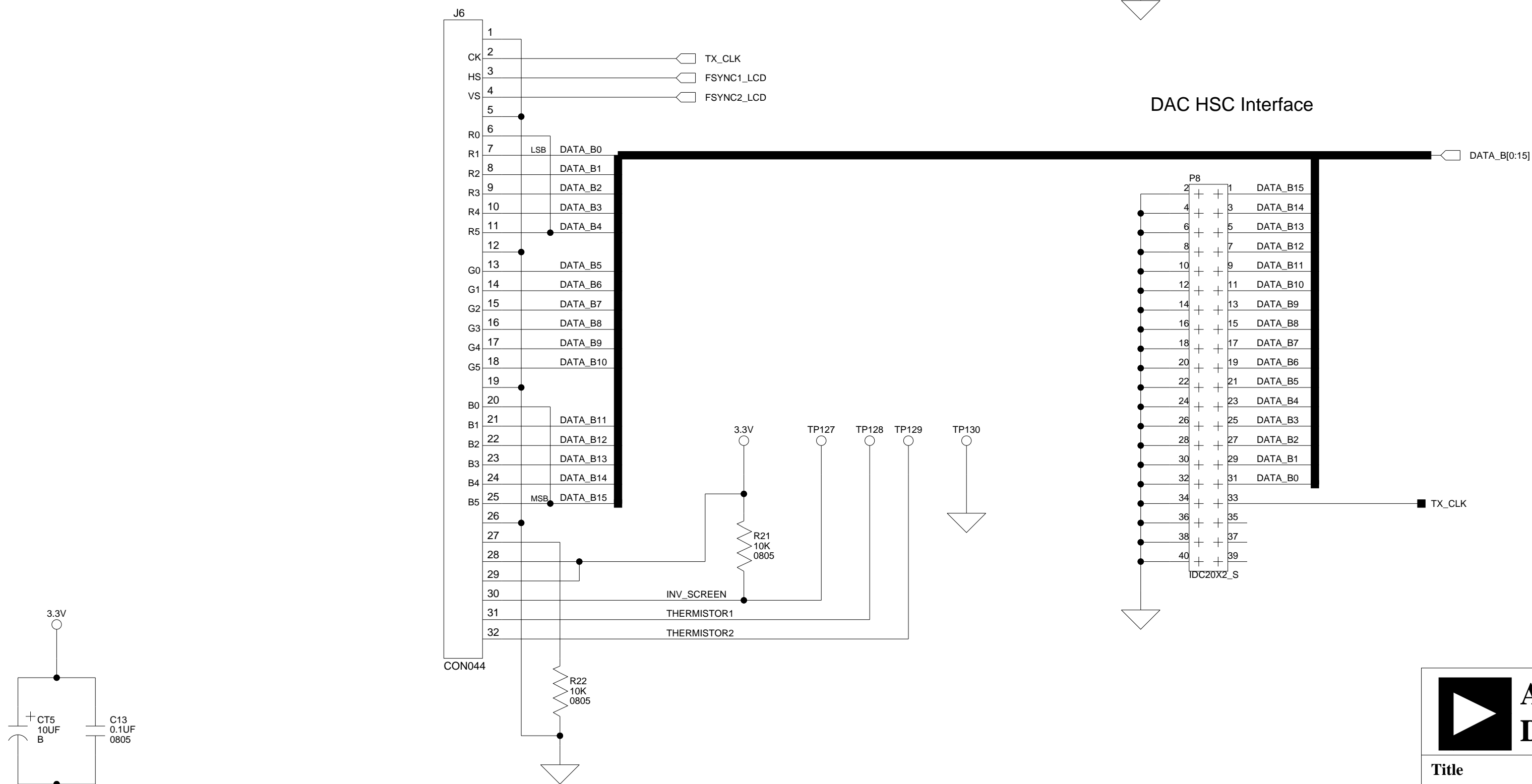
## Camera Interface

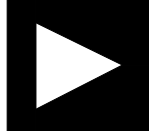
## ADC/Mixed Signal HSC Interface

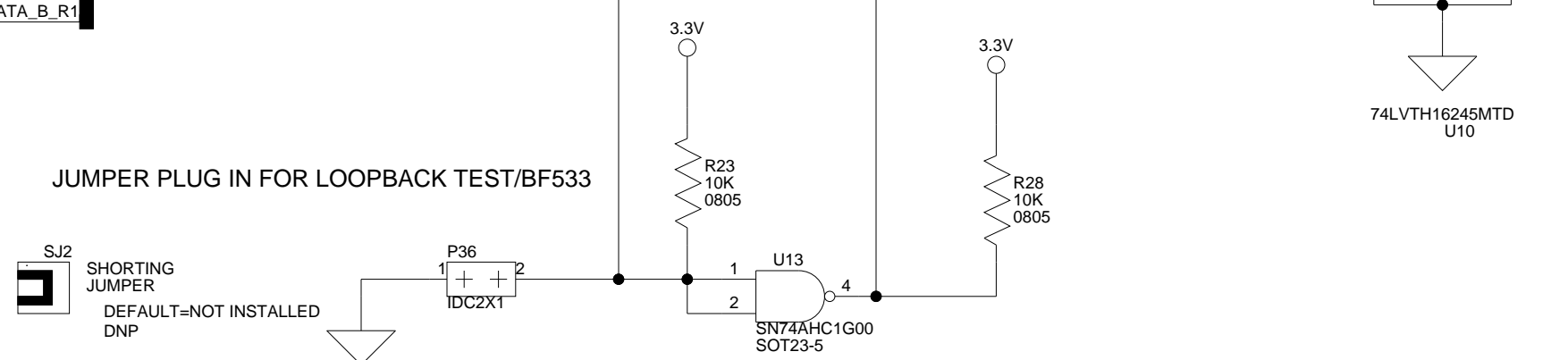
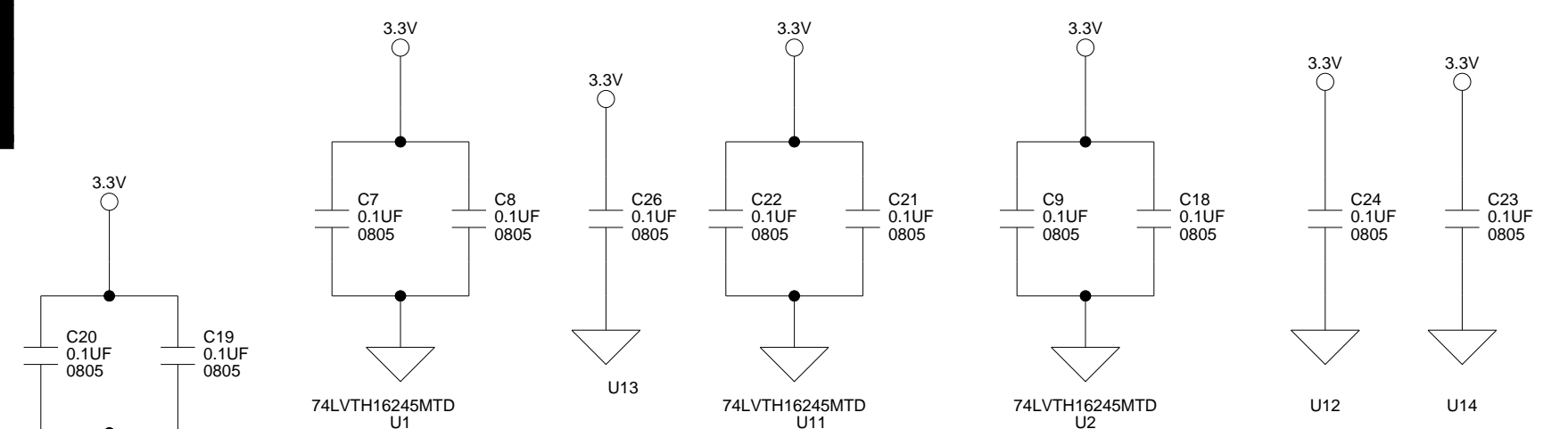
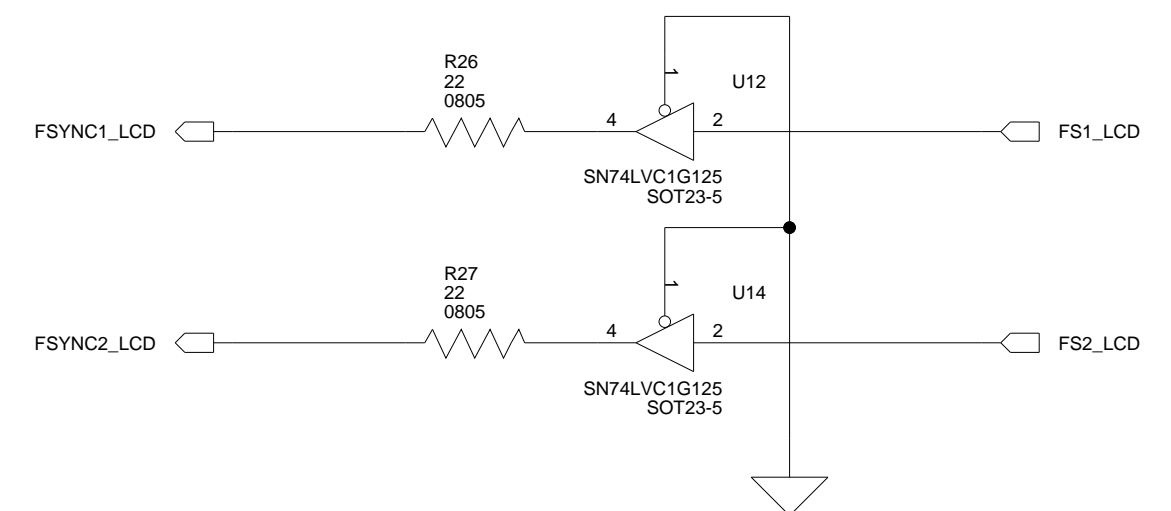
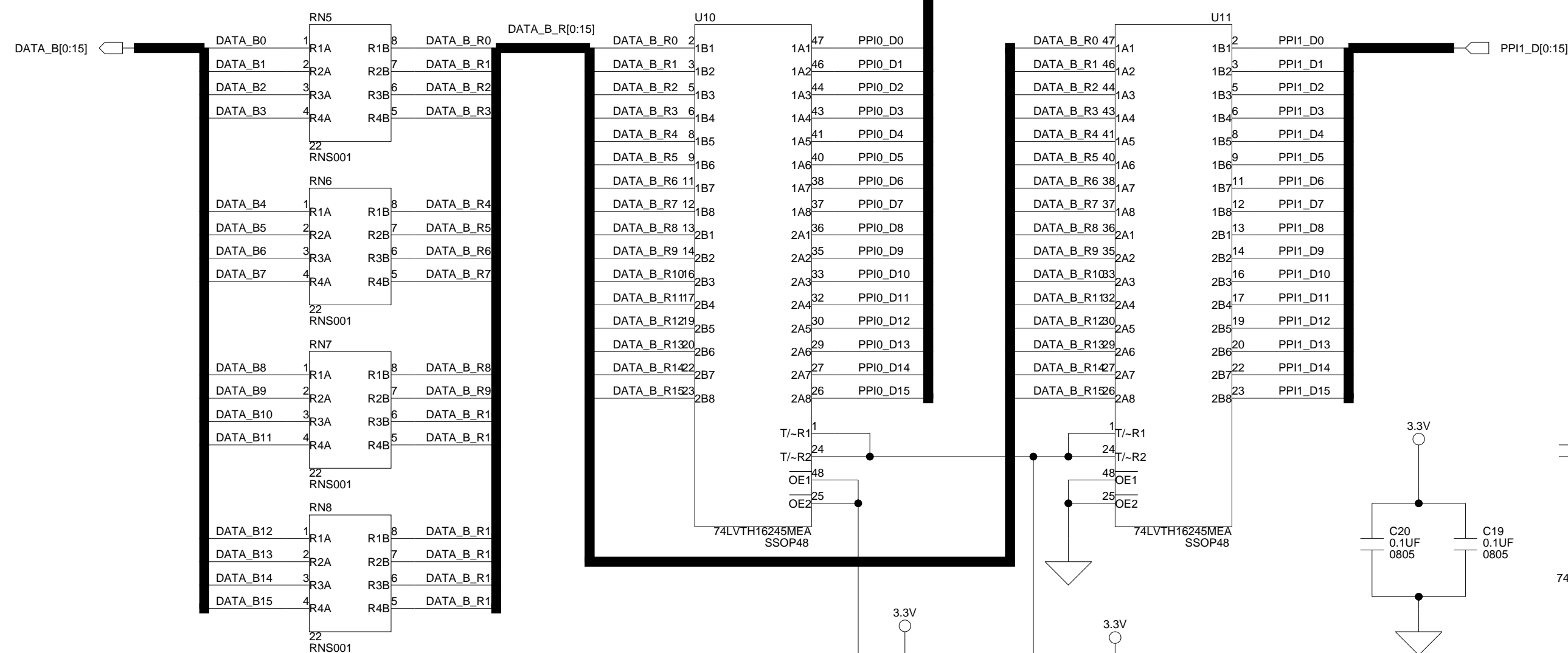
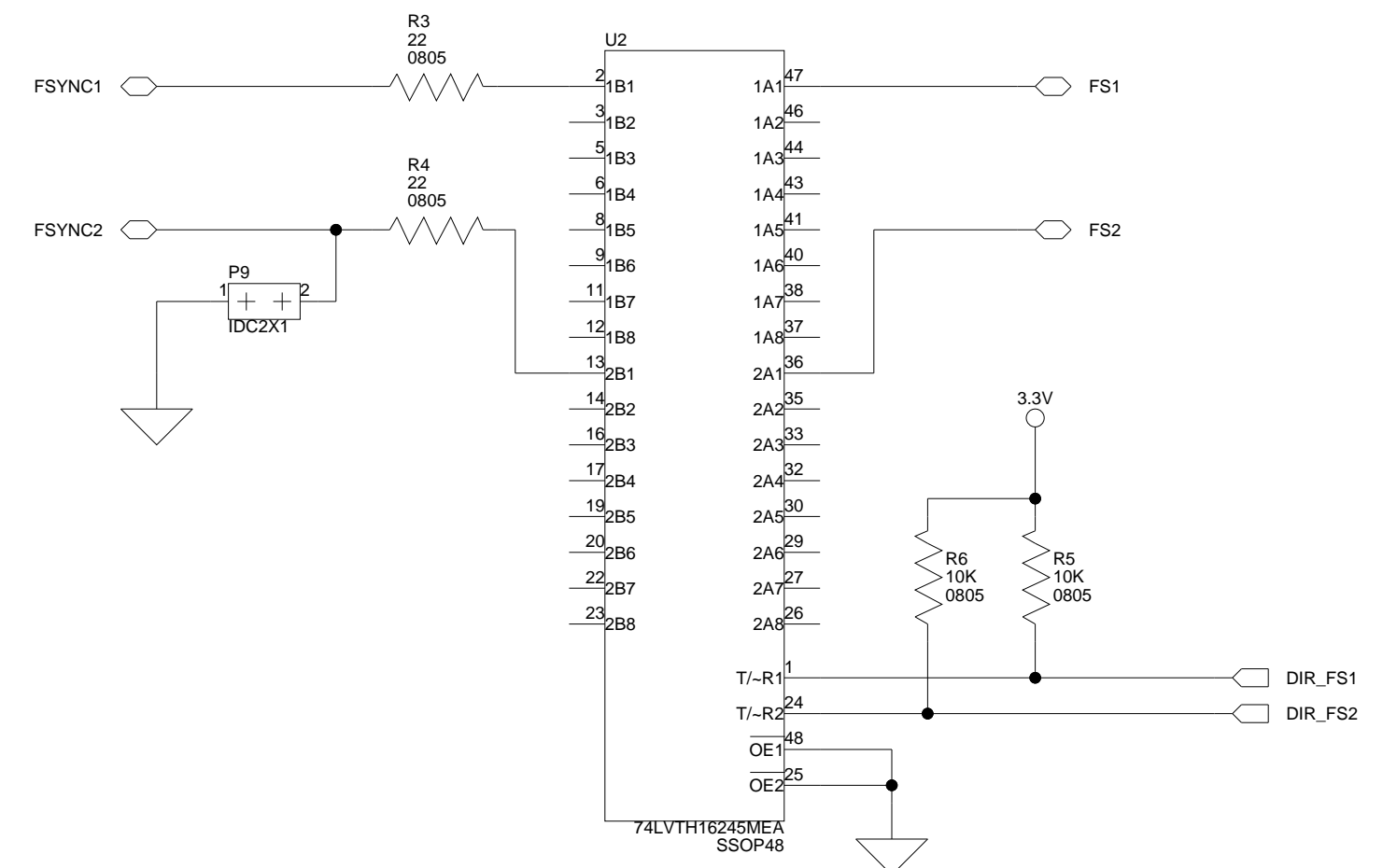
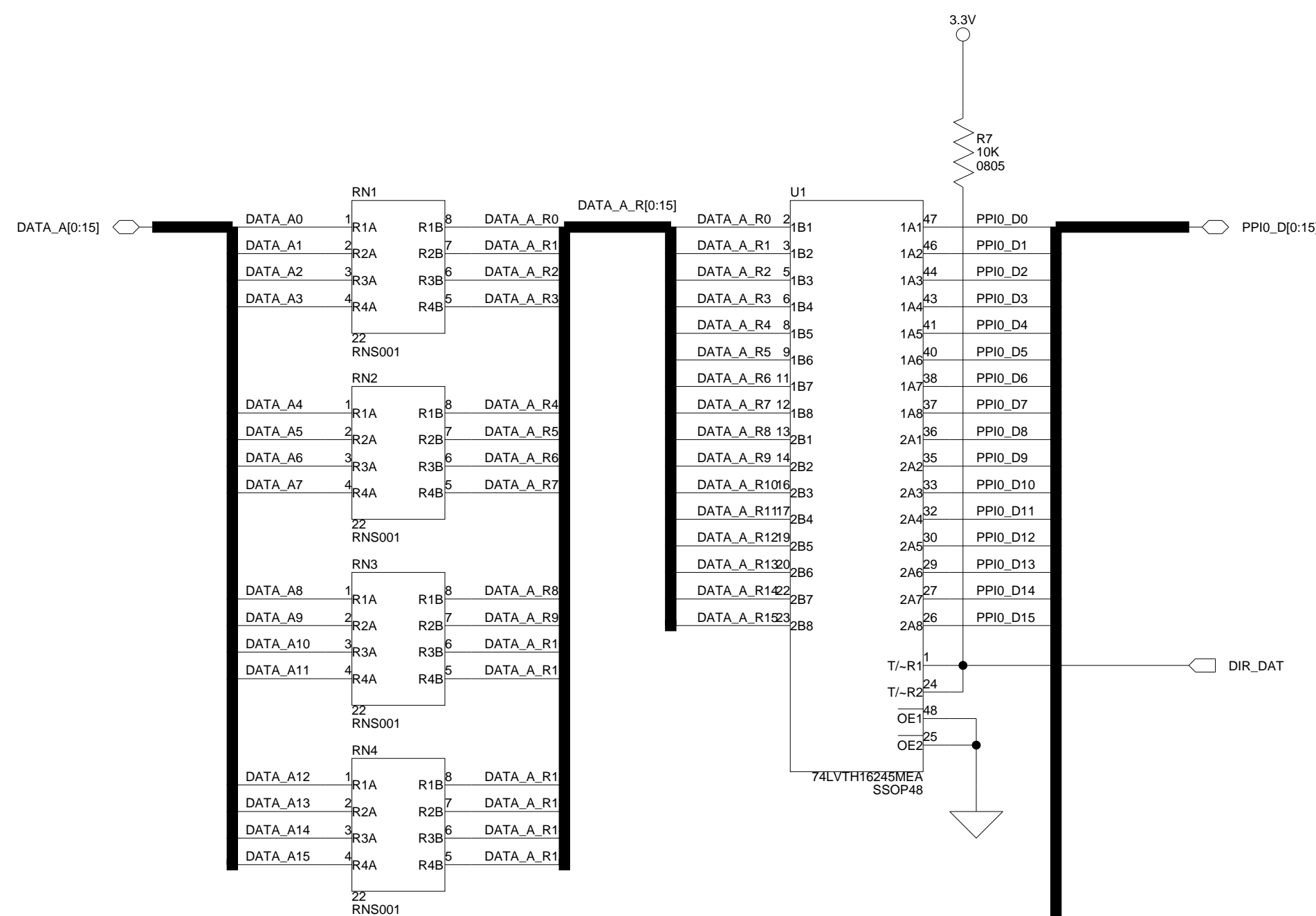



## LCD Connector

## DAC HSC Interface

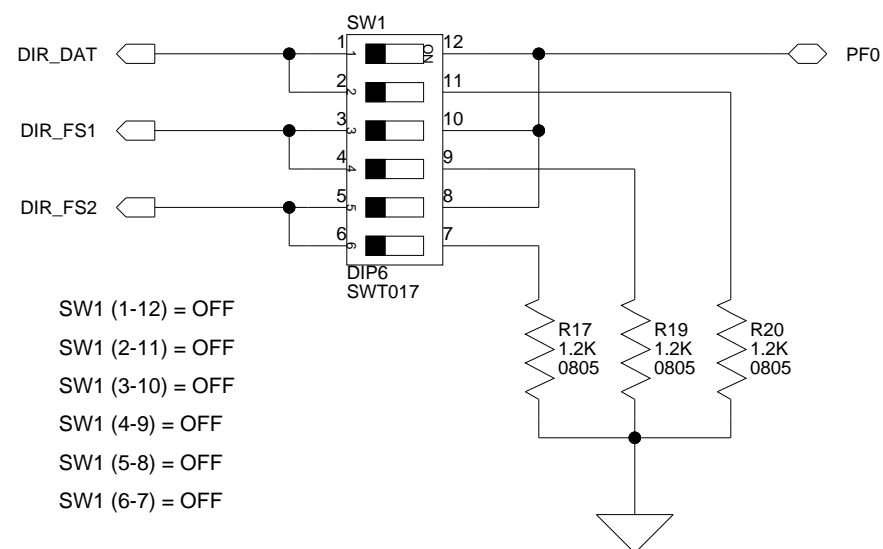


|   |                             |  |                   |
|---|-----------------------------|--|-------------------|
|  <b>ANALOG<br/>DEVICES</b> 20 Cotton Road<br>Nashua, NH 03063<br>PH: 1-800-ANALOGD |                             |  |                   |
| Title <b>BLACKFIN EZ-EXTENDER<br/>HSC/OMNIVISION/LCD CONNECTORS</b>   |                             |  |                   |
| Size<br>C   | Board No. <b>A0186-2003</b> |  | Rev<br><b>2.0</b> |
| Date  | 4-24-2006_9:34              |  | Sheet 4 of 7      |

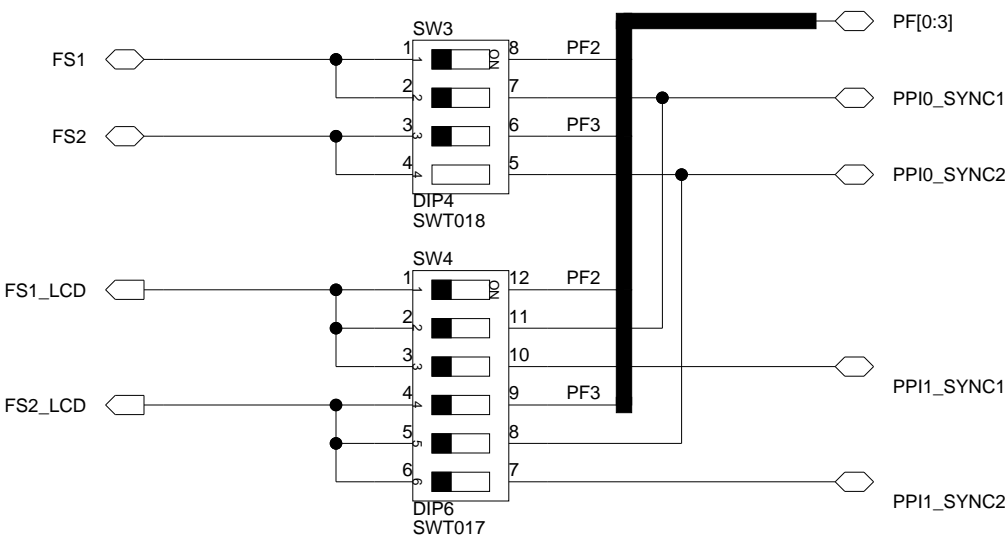


|   |                   |   |              |
|---|-------------------|---|--------------|
|  <b>ANALOG<br/>DEVICES</b> |                   | 20 Cotton Road<br>Nashua, NH 03063<br>PH: 1-800-ANALOGD |              |
| <b>Title</b>  |                   |   |              |
| <b>BLACKFIN EZ-EXTENDER<br/>DATA/FSYNC BUFFERS</b>  |                   |   |              |
| <b>Size<br/>C</b>   | <b>Board No.</b>  |   | <b>Rev</b>   |
|   | <b>A0186-2003</b> |   | <b>2.0</b>   |
| <b>Date</b>   | 4-24-2006 9:34    |   | <b>Sheet</b> |
|   |                   |   | 5 of 7       |

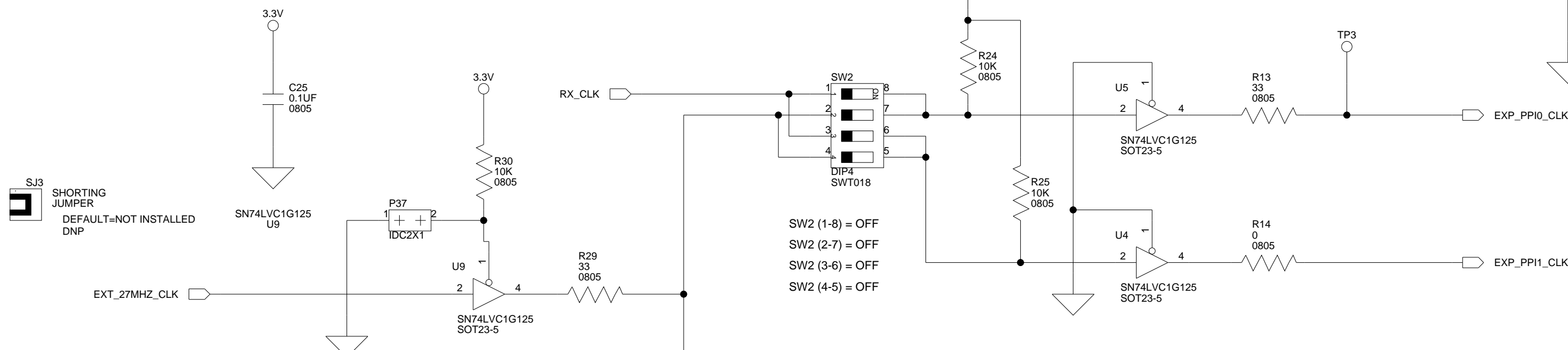
# Direction Control



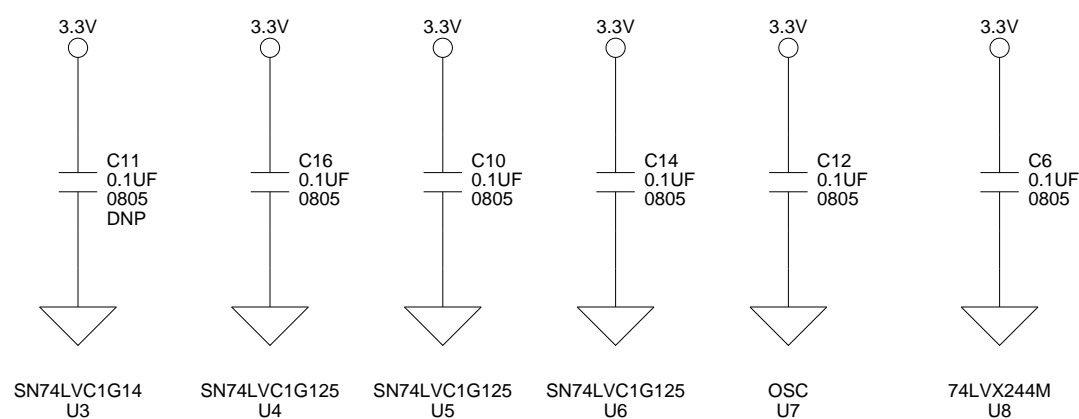
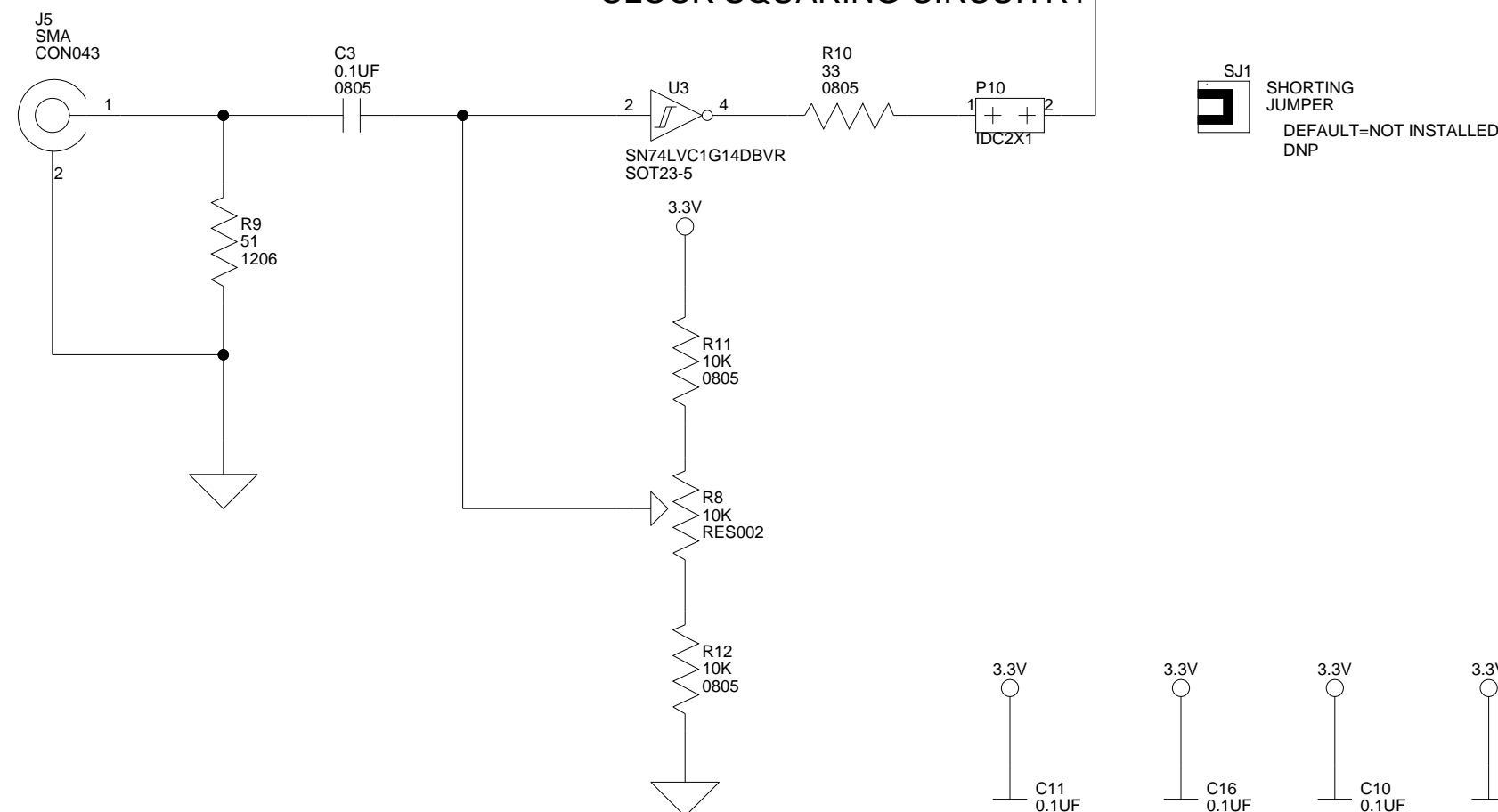
SW3 (1-8) = OFF  
SW3 (2-7) = OFF  
SW3 (3-6) = OFF  
SW3 (4-5) = OFF



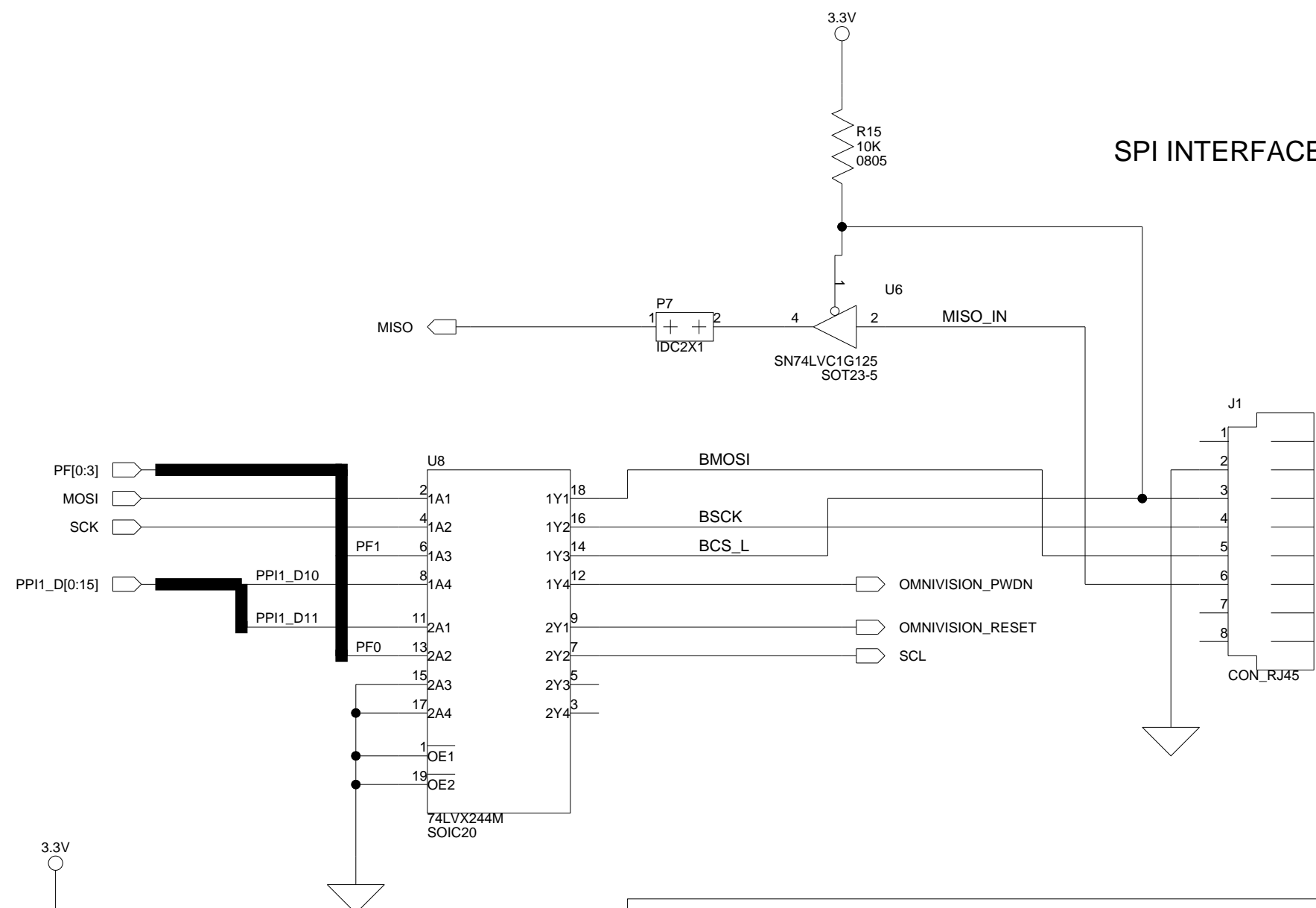
SW4 (1-12) = OFF  
SW4 (2-11) = OFF  
SW4 (3-10) = OFF  
SW4 (4-9) = OFF  
SW4 (5-8) = OFF  
SW4 (6-7) = OFF

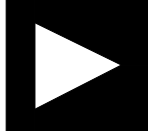


# CLOCK SQUARING CIRCUITRY

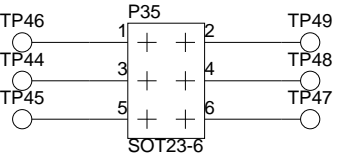
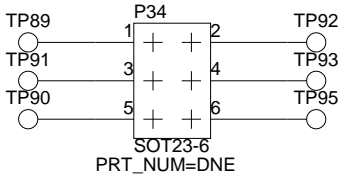
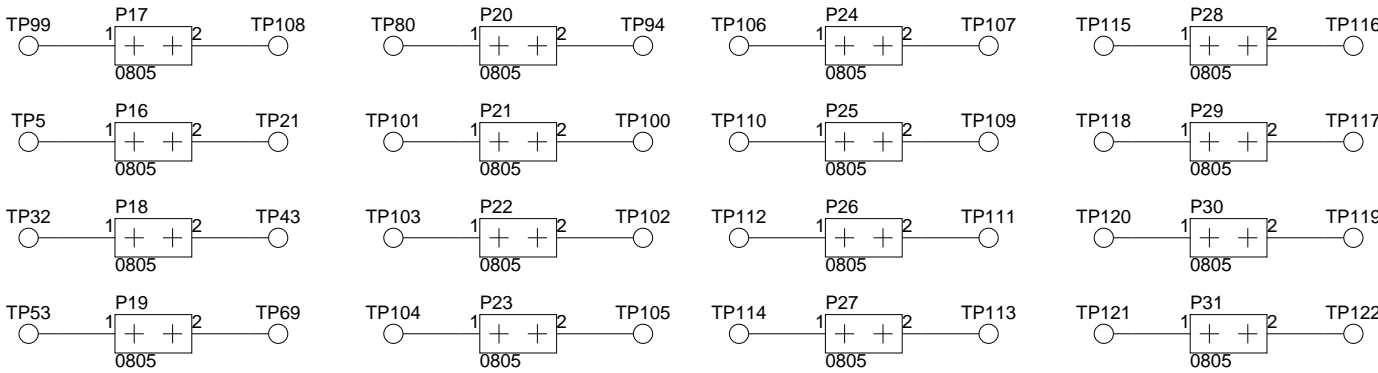


# SPI INTERFACE

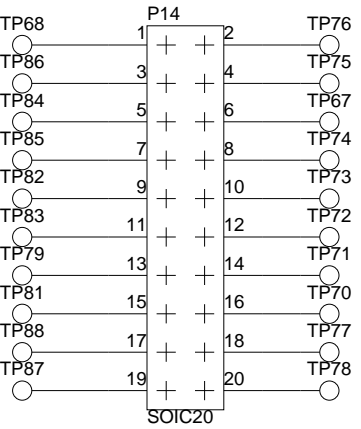
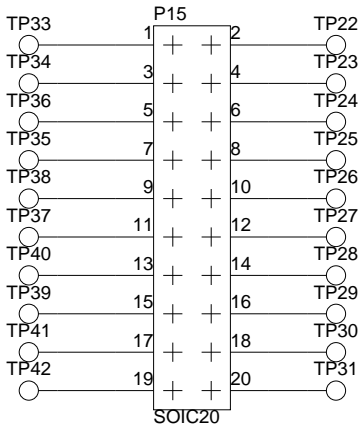
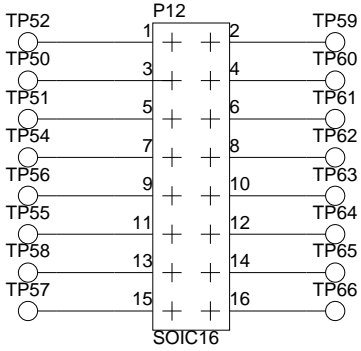
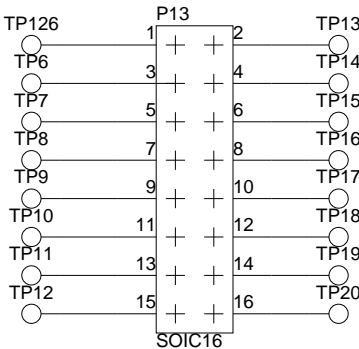


|   |                |   |        |
|---|----------------|---|--------|
|  <b>ANALOG DEVICES</b> |                | 20 Cotton Road<br>Nashua, NH 03063<br>PH: 1-800-ANALOGD             |        |
|   |                | Title <b>BLACKFIN EZ-EXTENDER<br/>CONFIGURATION - SPI INTERFACE</b> |        |
| Size<br><b>C</b>  | Board No.      | <b>A0186-2003</b>   |        |
| Date  | 4-24-2006_9:34 | Sheet   | 6 of 7 |
| Rev   |                | <b>2.0</b>  |        |

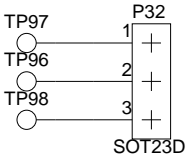
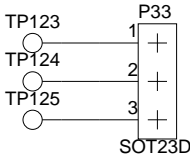
1



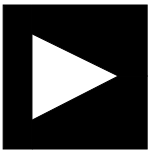
2



3



4



**ANALOG  
DEVICES**

20 Cotton Road  
Nashua, NH 03063  
PH: 1-800-ANALOGD

Title **BLACKFIN EZ-EXTENDER  
BREADBOARD AREA FOOTPRINTS**

|                  |                                |                   |
|------------------|--------------------------------|-------------------|
| Size<br><b>C</b> | Board No.<br><b>A0186-2003</b> | Rev<br><b>2.0</b> |
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|------------------------|-----------------|
| Date<br>4-24-2006_9:34 | Sheet<br>7 of 7 |
|------------------------|-----------------|