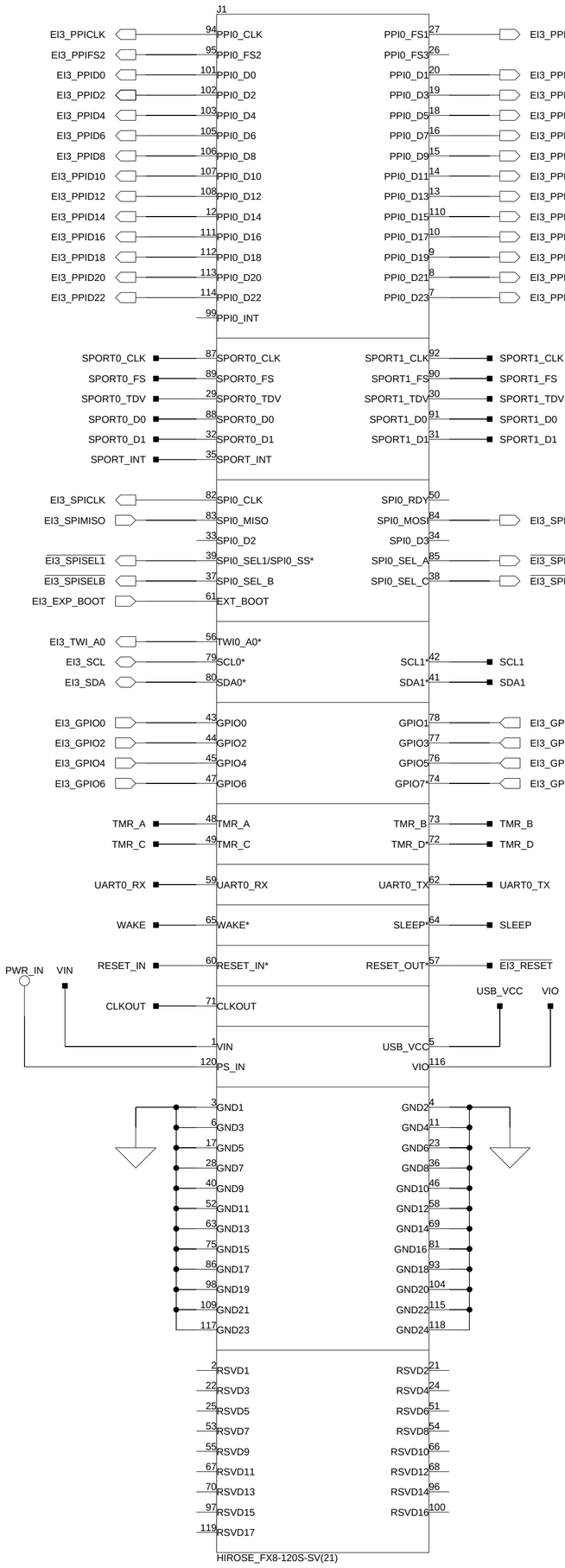
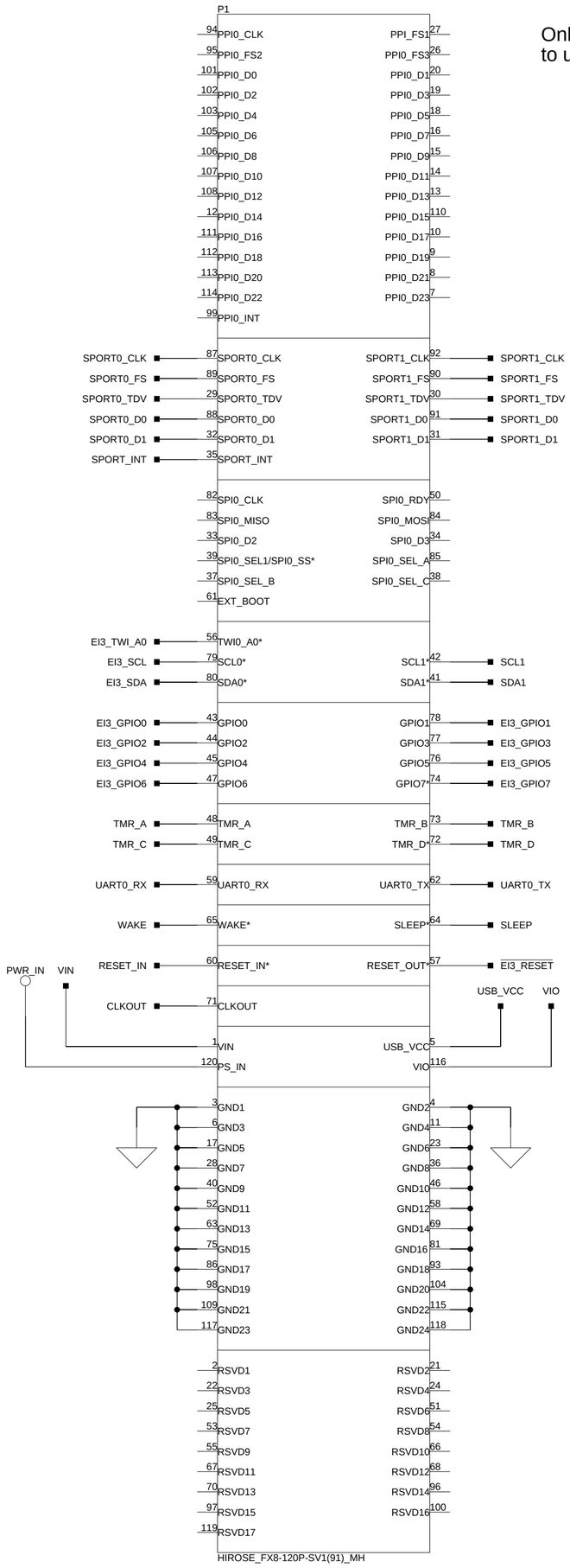
WVGA/LCD EI3 Extender Board
SCHEMATIC

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

Title	WVGA/LCD EI3 Extender Board Title Sheet	
Size C	Board No. A0254-2010	Rev 1.0
Date 2/13/12	Sheet 1 of 8	



To Motherboard

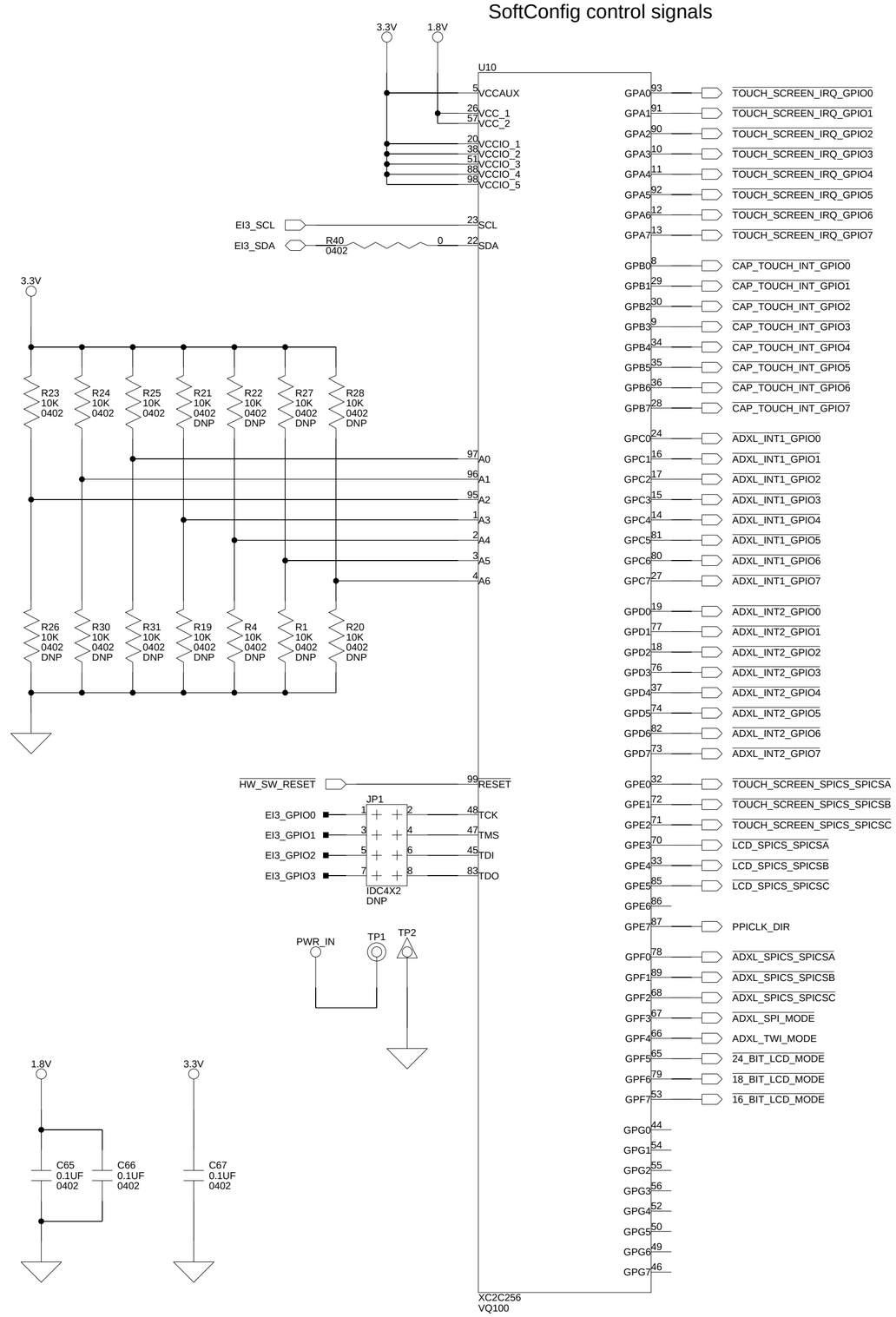


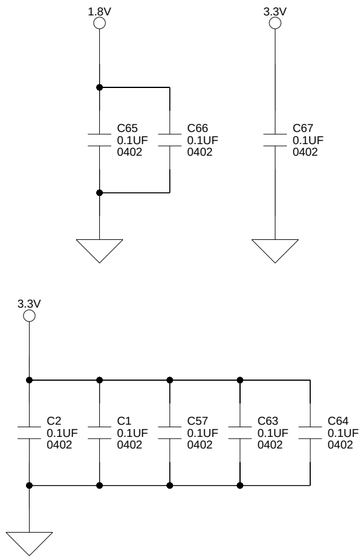
To Daughterboard

Only unused or shared signals are brought out to P1
to use for a stacking daughterboard

TWI Address 0100 111x
x is the R/W bit. Read - 1, Write - 0

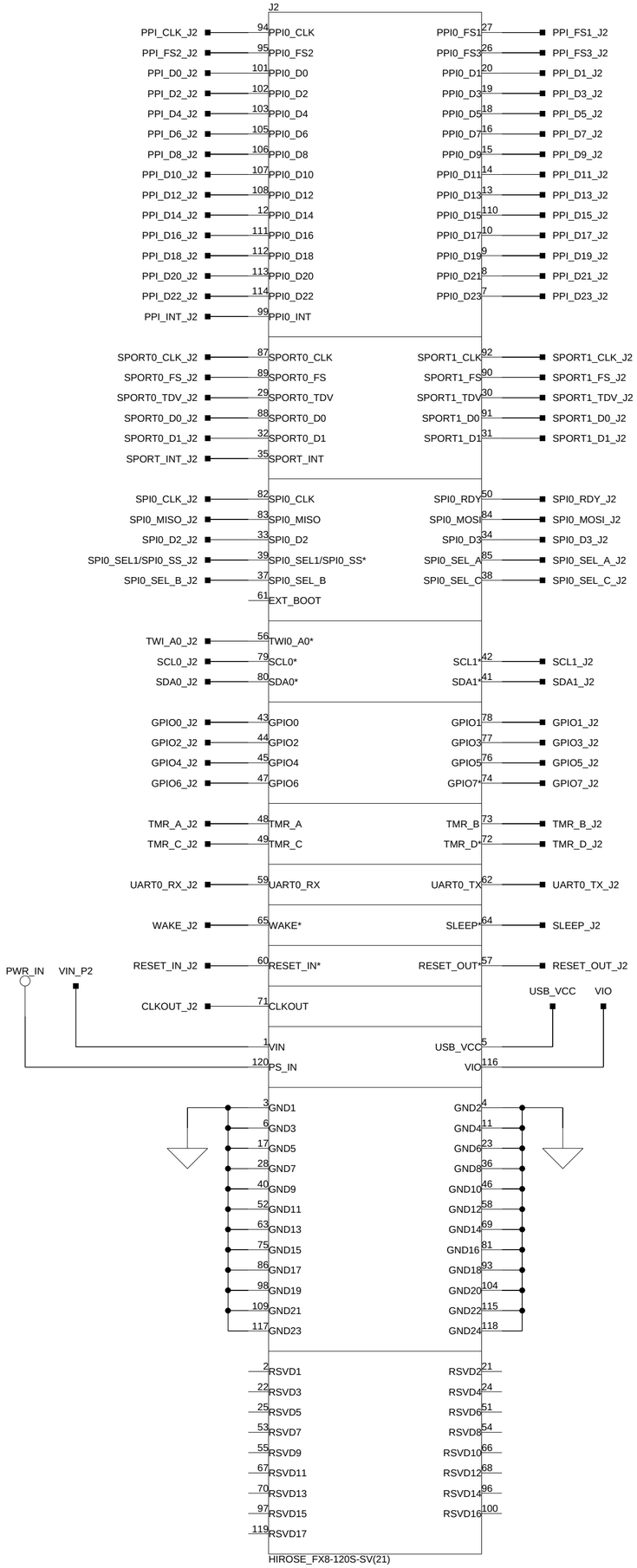
SoftConfig control signals



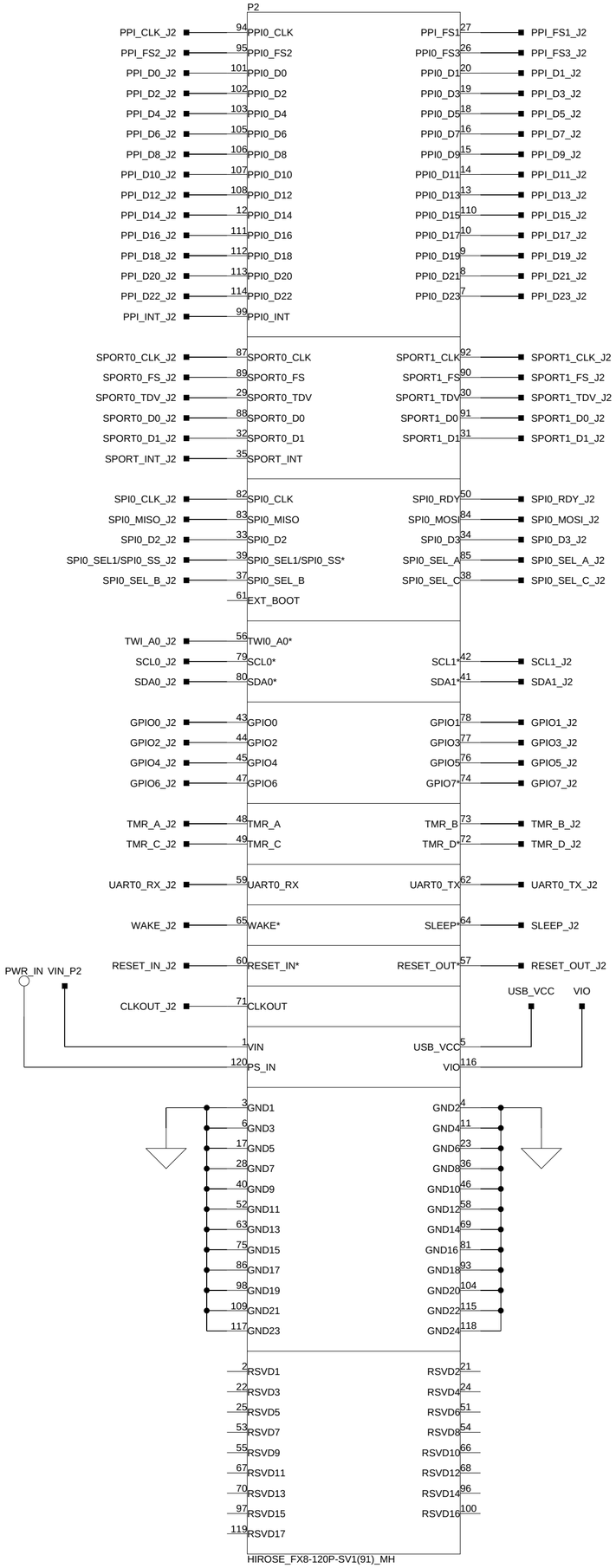


ANALOG DEVICES
20 Cotton Road
Nashua, NH 03063
PH: 1-800-ANALOGD

Title	WVGA/LCD EI3 Extender Board EI3 Connectors/GPIO Extender	
Size C	Board No. A0254-2010	Rev 1.0
Date 2/13/12	Sheet 2 of 8	



To Motherboard

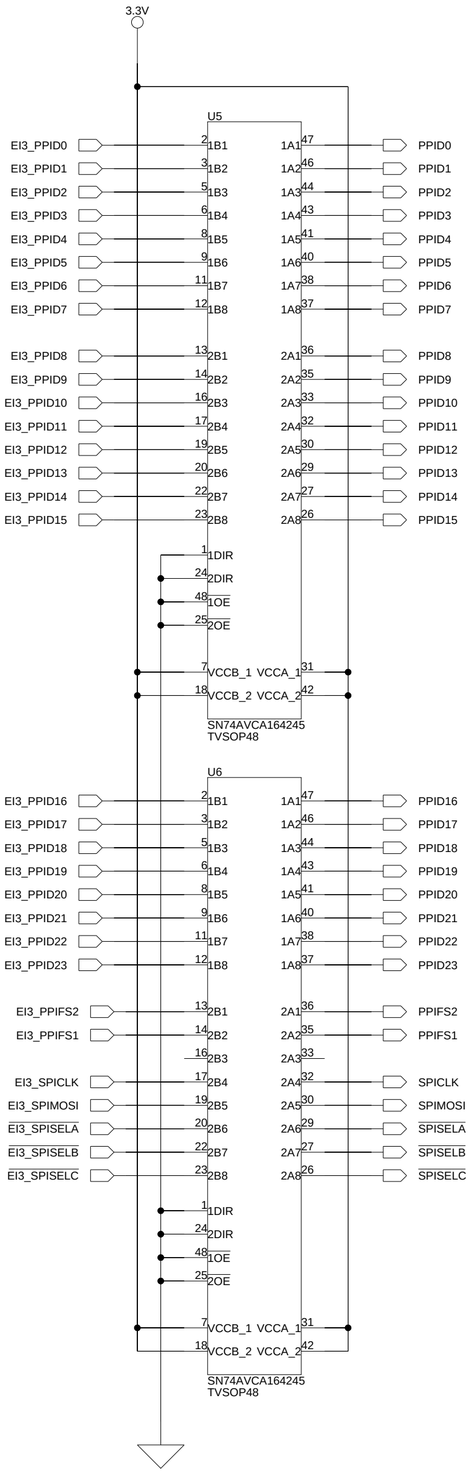


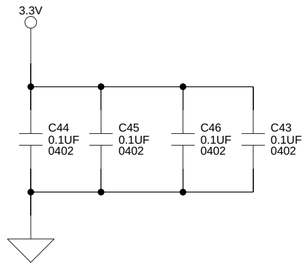
To Daughterboard

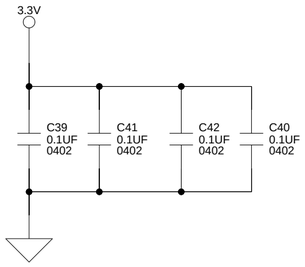
The signals are passed from J2 to P2

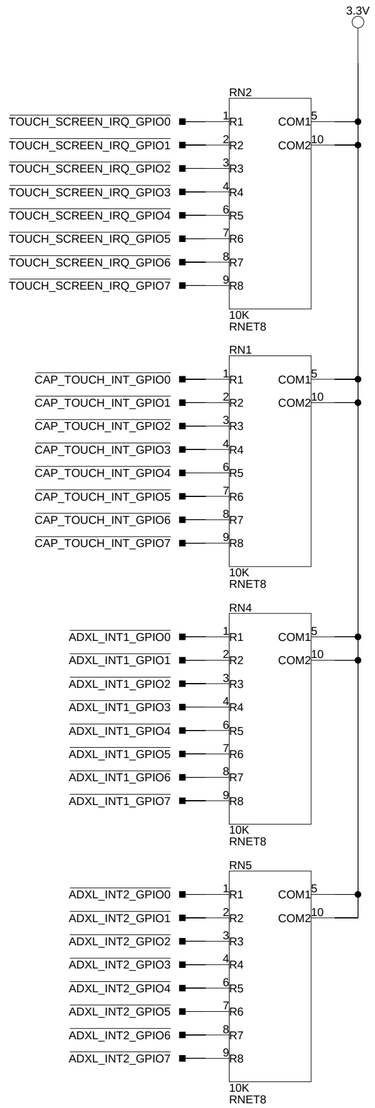
ANALOG DEVICES
20 Cotton Road
Nashua, NH 03063
PH: 1-800-ANALOGD

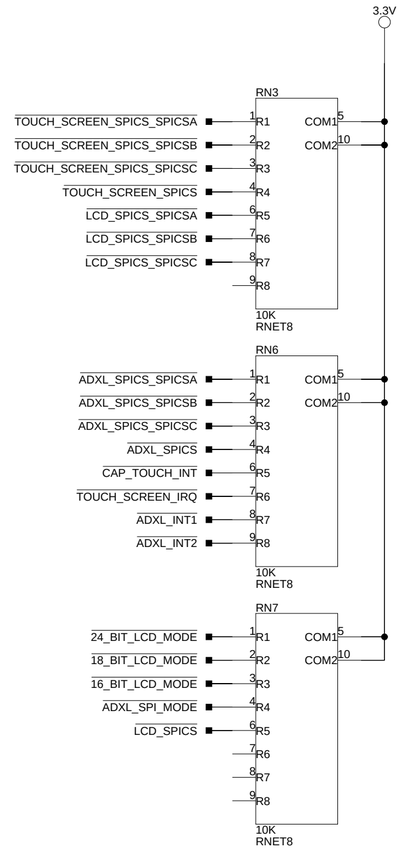
Title	WVGA/LCD EI3 Extender Board EI3 Unused Connectors	
Size C	**Board No.** A0254-2010	**Rev** 1.0
Date 2/13/12	**Sheet** 3 **of** 8	

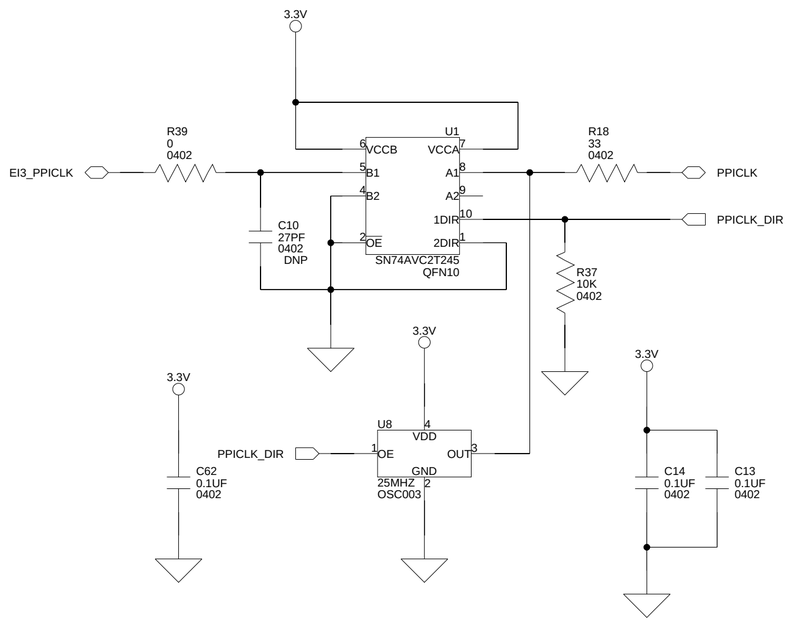




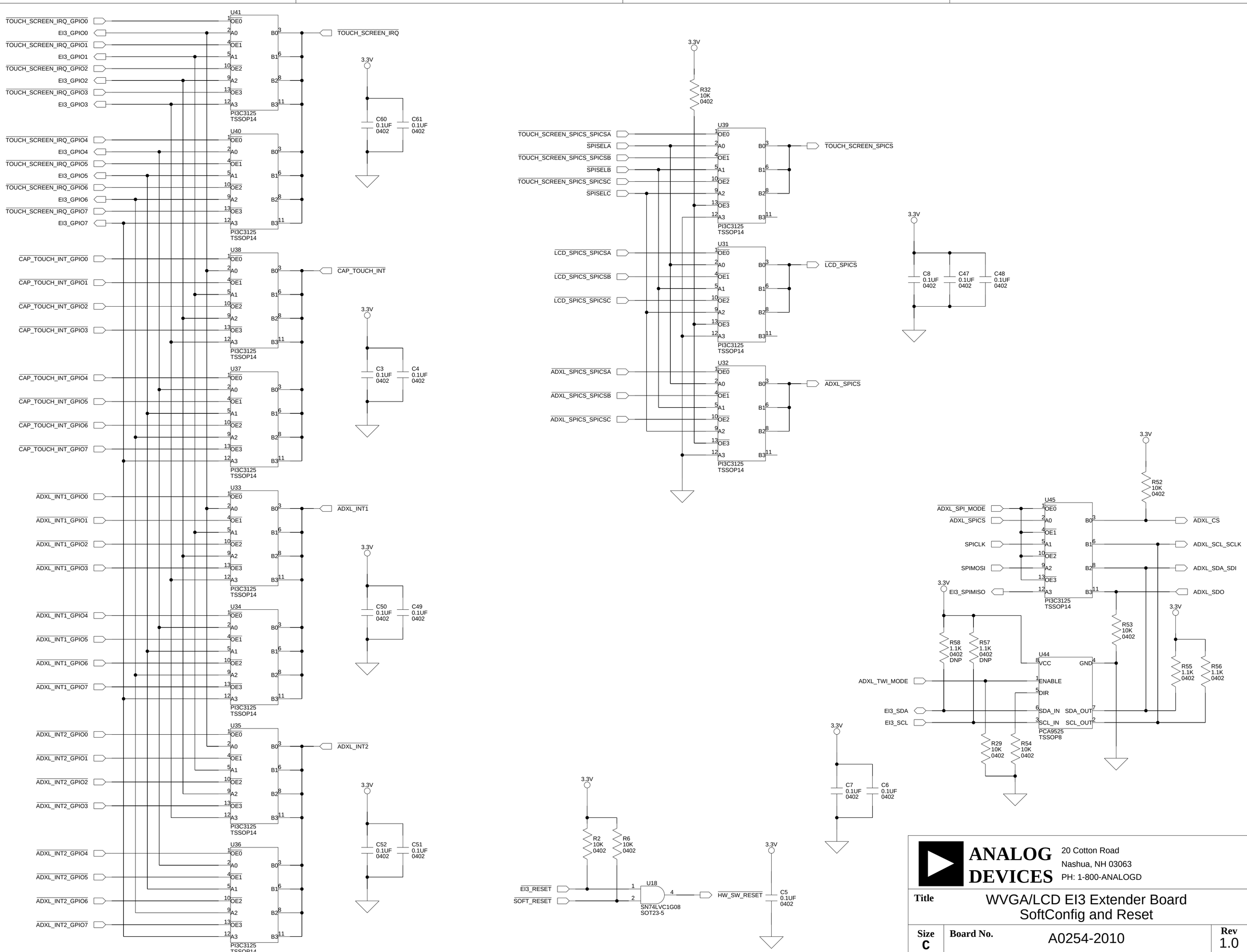




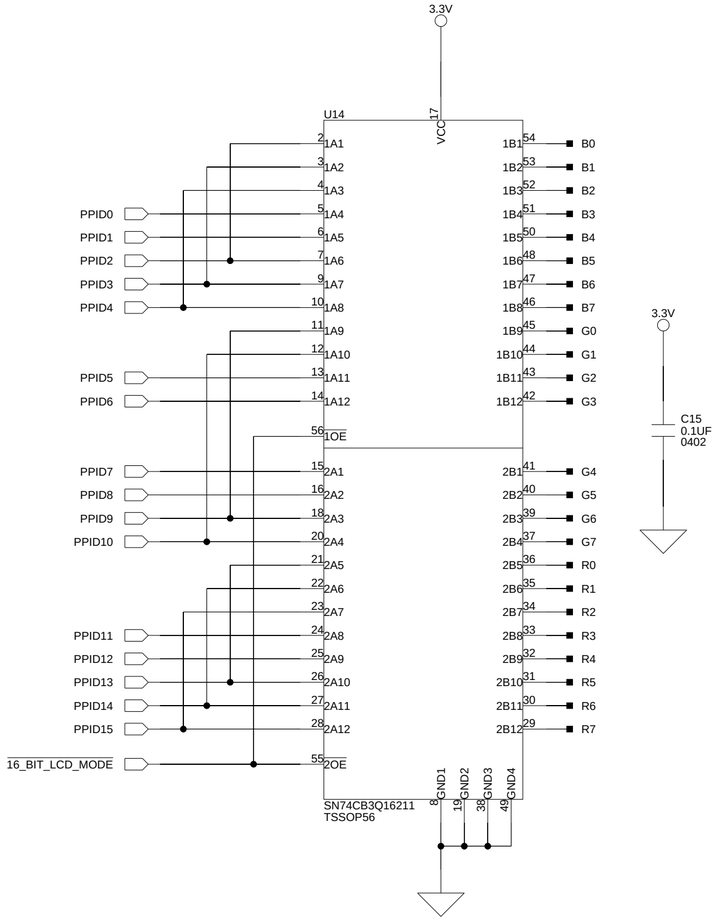




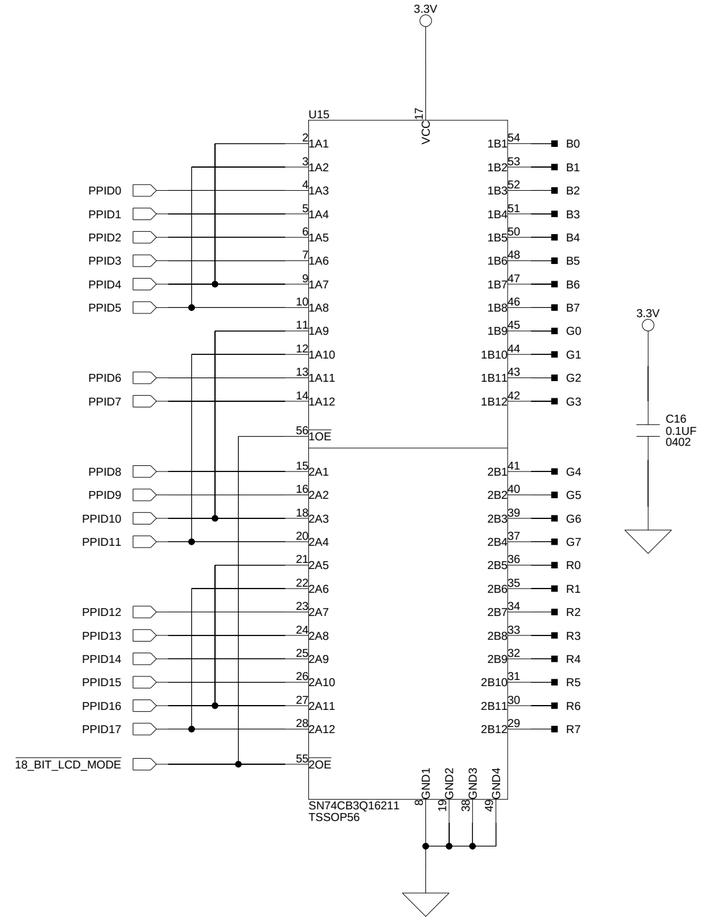
ANALOG DEVICES	20 Cotton Road Nashua, NH 03063 PH: 1-800-ANALOGD		
Title	WVGA/LCD EI3 Extender Board Buffers/Clock/Pull-Ups		
Size C	**Board No.** A0254-2010		**Rev** 1.0
Date 2/13/12	**Sheet** 4	**of** 8	



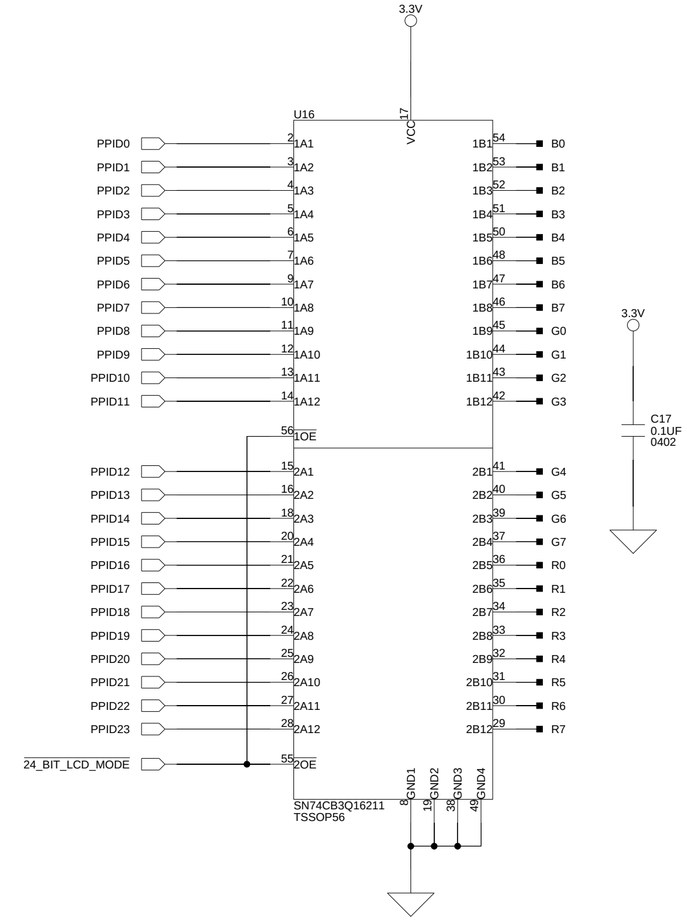
ANALOG DEVICES	20 Cotton Road Nashua, NH 03063 PH: 1-800-ANALOGD	
Title	WVGA/LCD EI3 Extender Board SoftConfig and Reset	
Size C	**Board No.** A0254-2010	**Rev** 1.0
Date 2/13/12	**Sheet** 5 **of** 8	



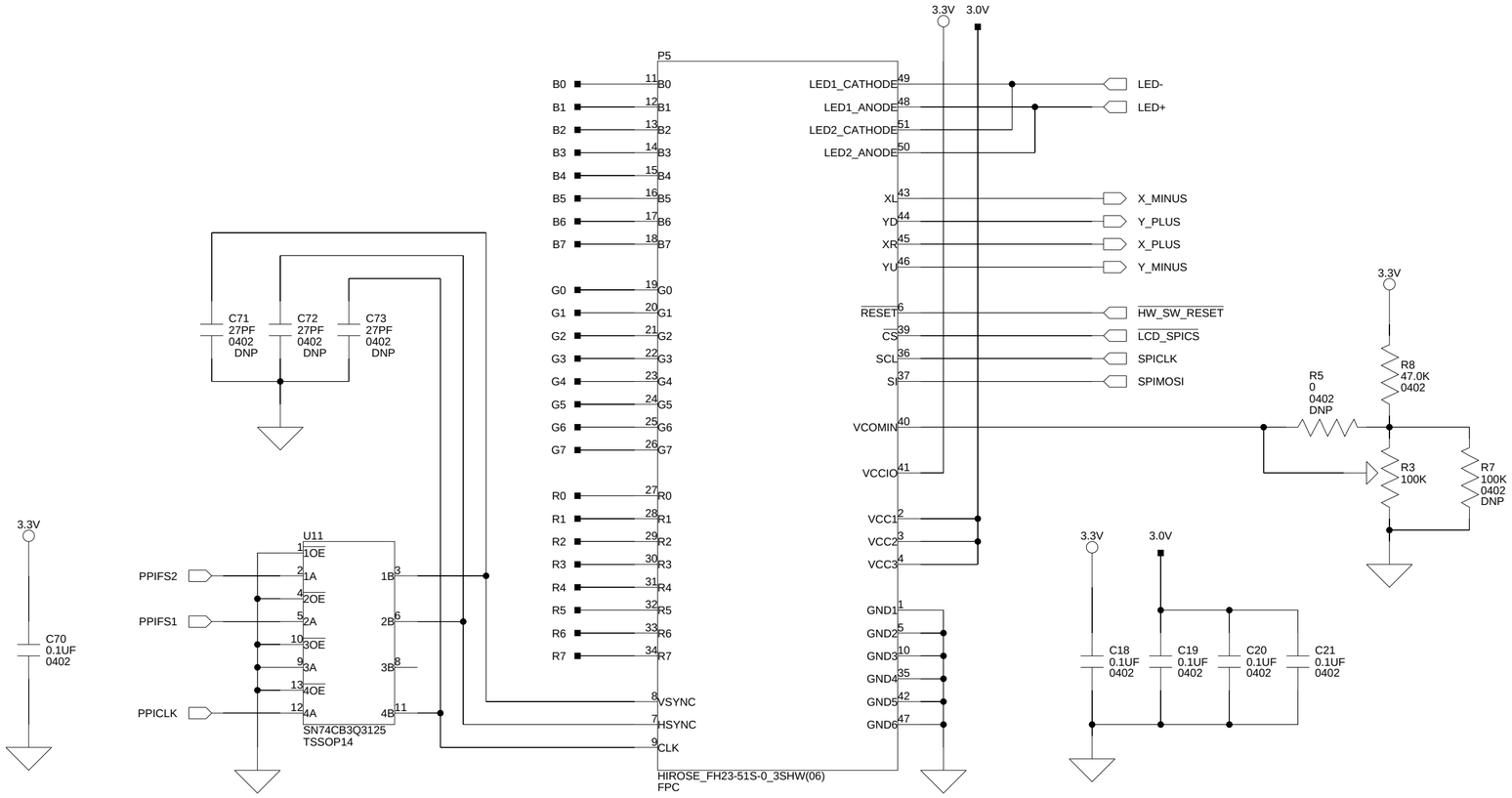
16-Bit Mode



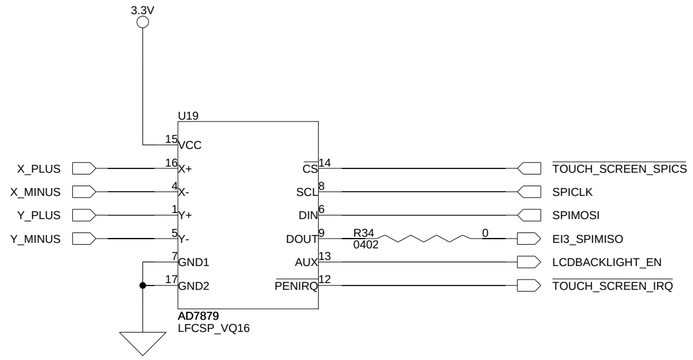
18-Bit Mode

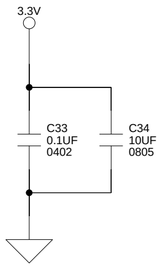


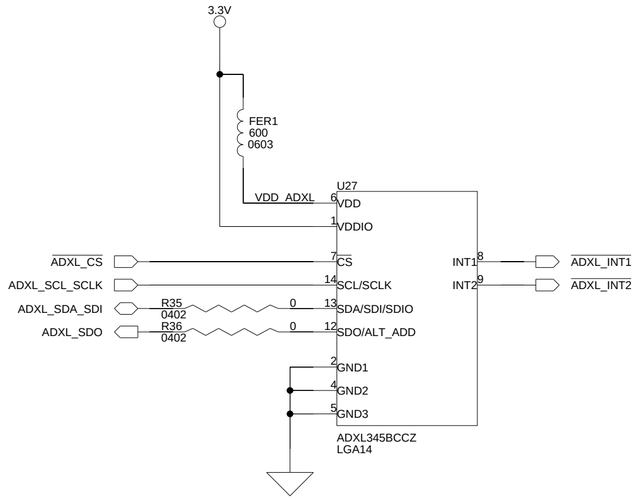
24-Bit Mode

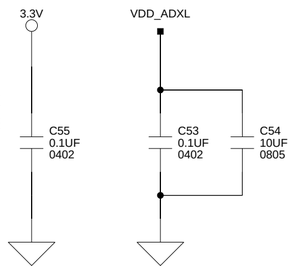


ANALOG DEVICES	20 Cotton Road Nashua, NH 03063 PH: 1-800-ANALOGD		
Title	WVGA/LCD EI3 Extender Board LCD Connector and Mode Switches		
Size C	Board No. A0254-2010		Rev 1.0
Date 2/13/12		Sheet 6 of 8	

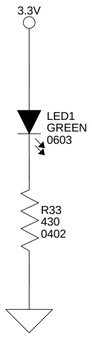




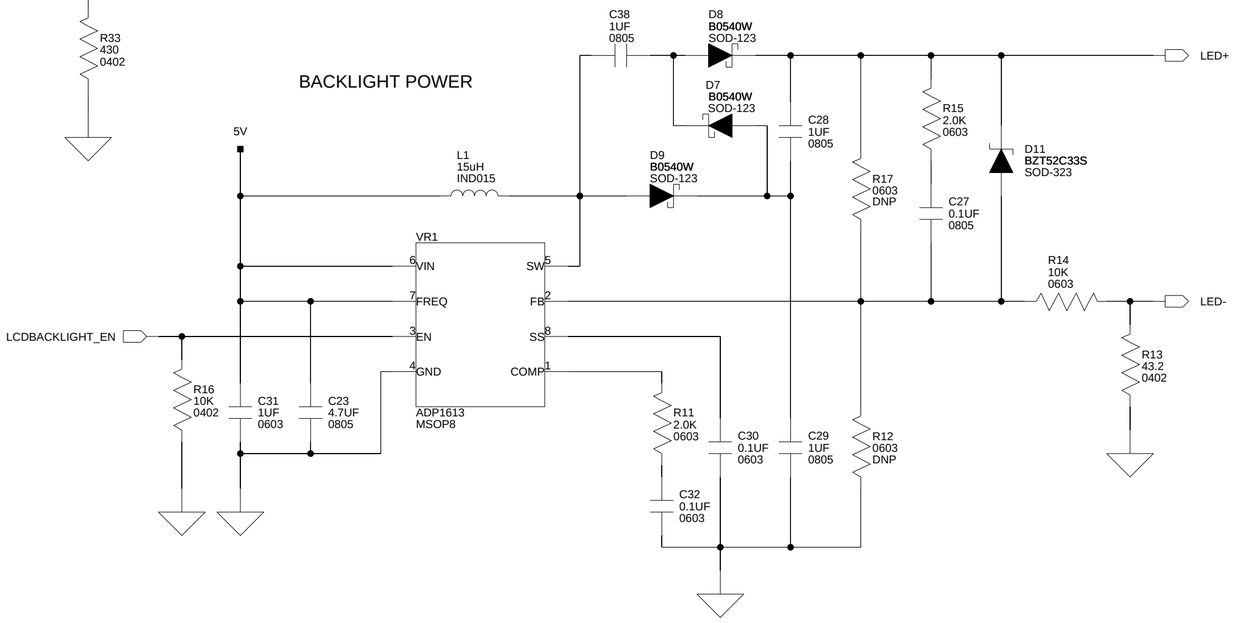


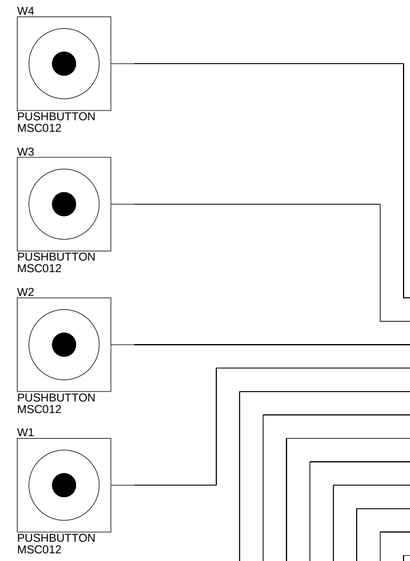


TWI Address 0101 011x
x is the R/W bit. Read - 1, Write - 0

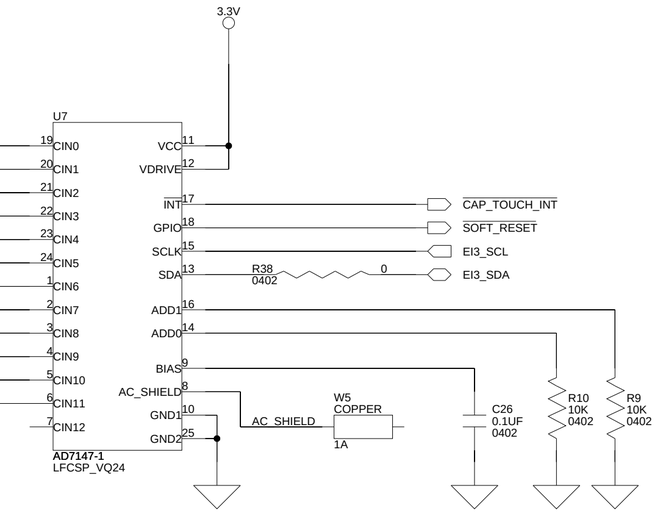


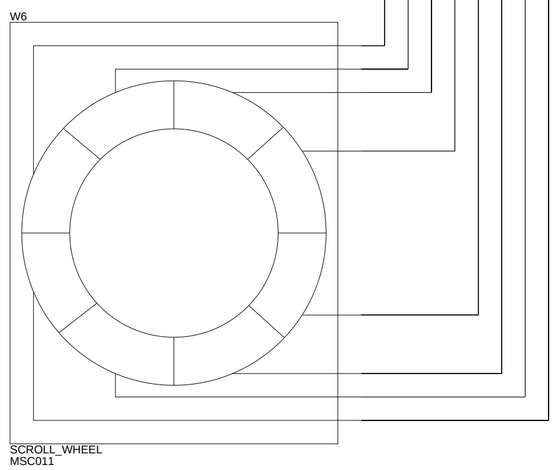
BACKLIGHT POWER

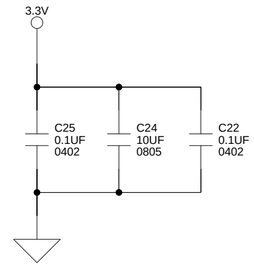


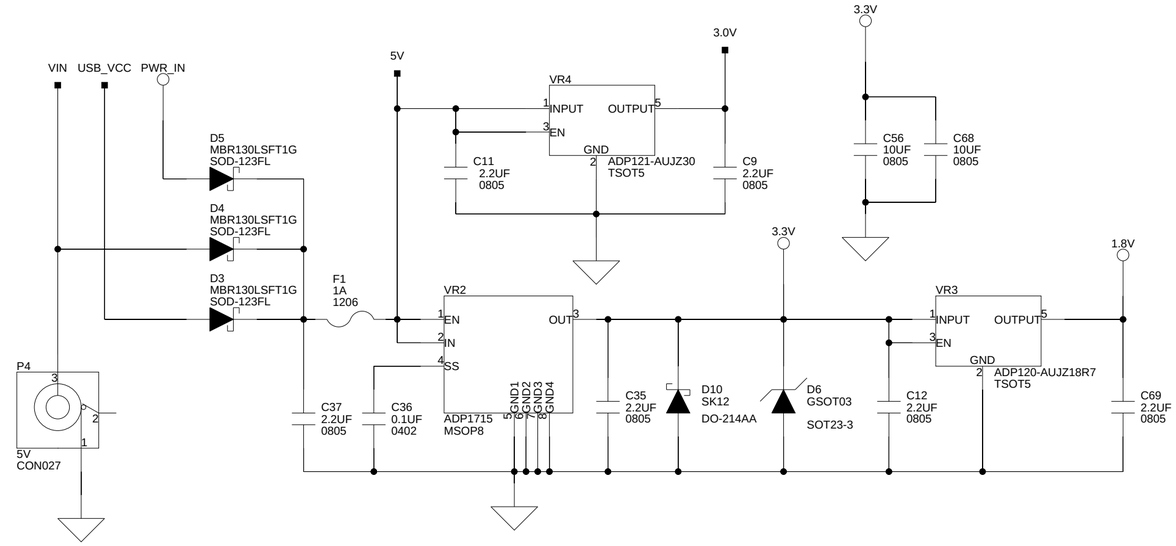


TWI Address 0101 100x
x is the R/W bit. Read - 1, Write - 0









ANALOG DEVICES
20 Cotton Road
Nashua, NH 03063
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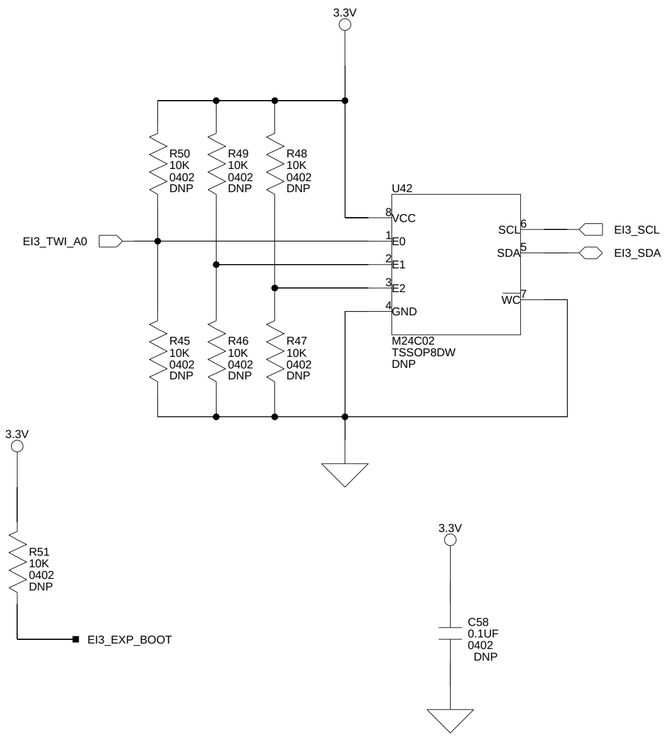
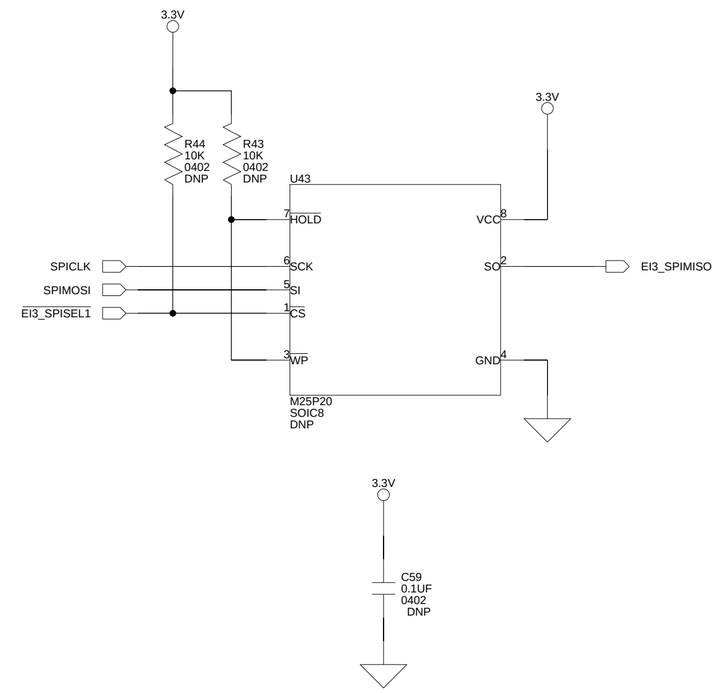
Title	WVGA/LCD EI3 Extender Board Accelerometer/TouchScreen/Cap Touch/Power	
Size C	Board No. A0254-2010	Rev 1.0
Date 2/13/12	Sheet 7 of 8	

These parts will be populated by internal people who want to use this board with the SDP.





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

Title	WVGA/LCD EI3 Extender Board TWI/SPI Flash	
Size C	**Board No.** A0254-2010	**Rev** 1.0
Date 2/13/12	**Sheet** 8 **of** 8	