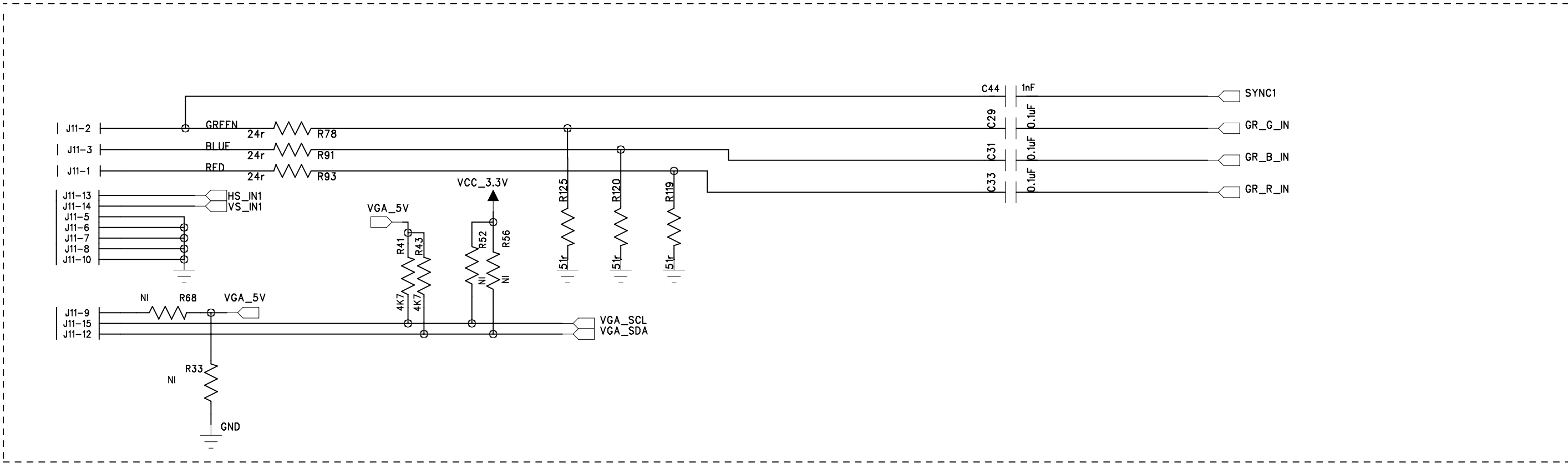
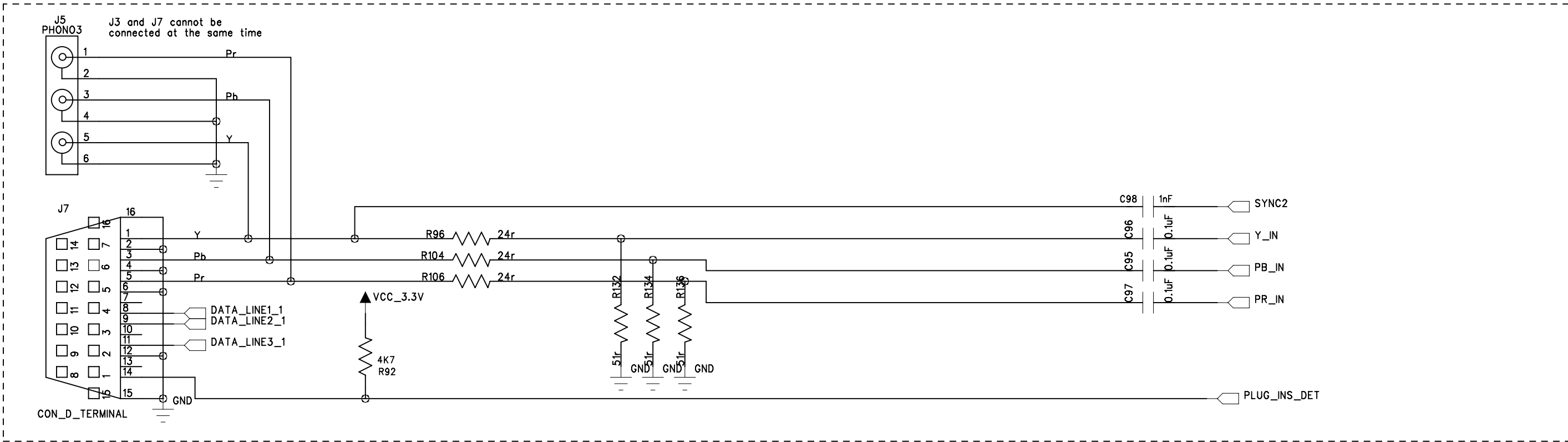


VGA Connector



D-Type and Component Connectors



Place analog inputs as far apart as possible while maintaining similar trace lengths
Trace impedance of analog inputs to be 75 ohms
Termination resistors should be placed as close as possible to end of line

ADV7842 Input Module

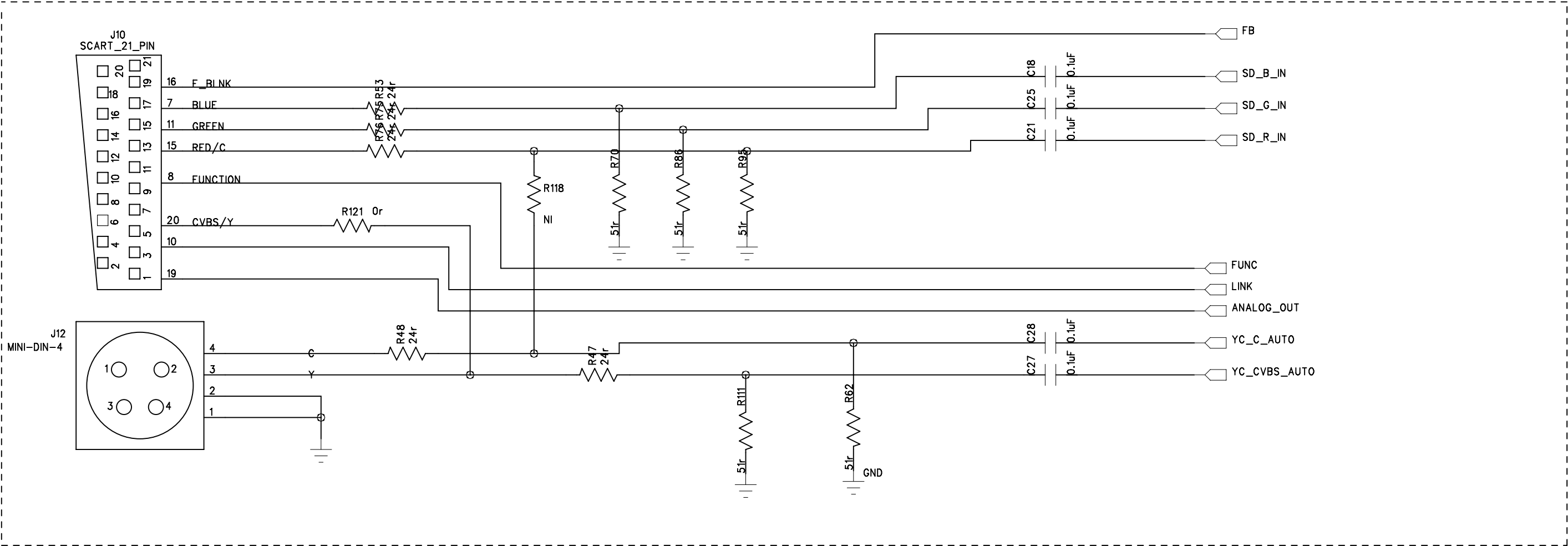
Sheet: No. 1 – Analog Inputs 1

Video Applications

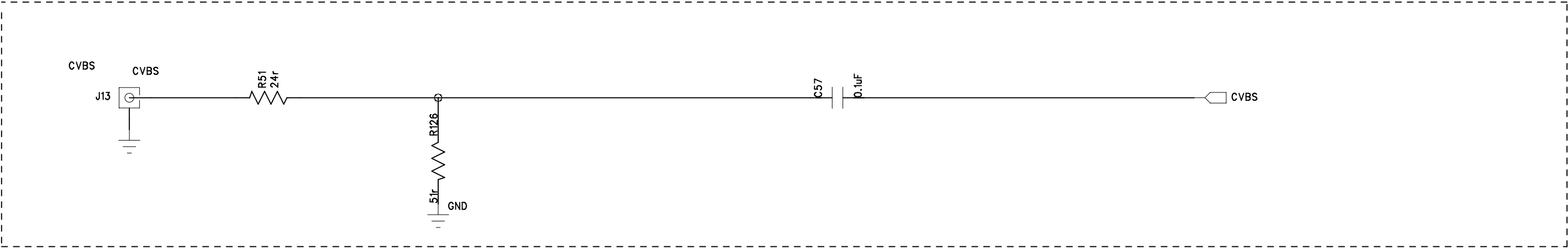
Date: July 2010

Revision: C

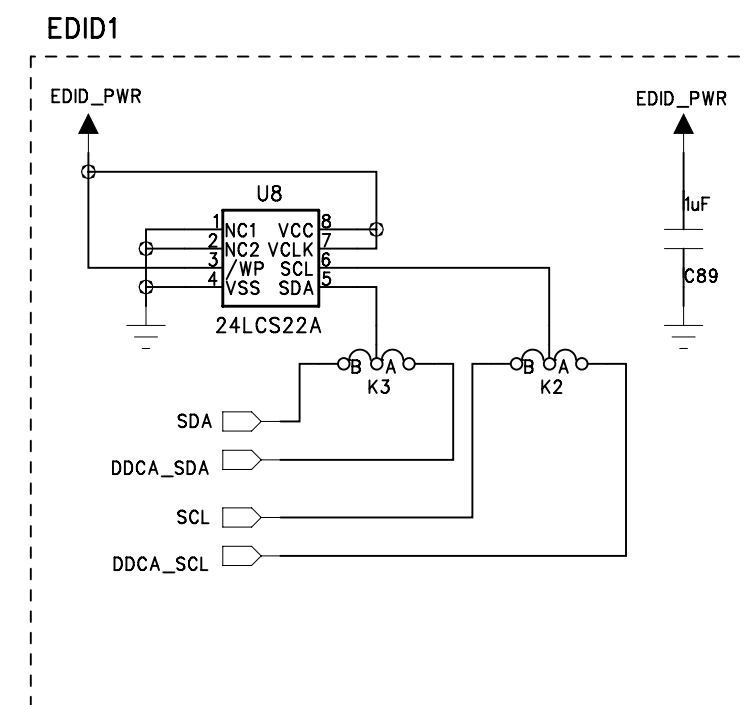
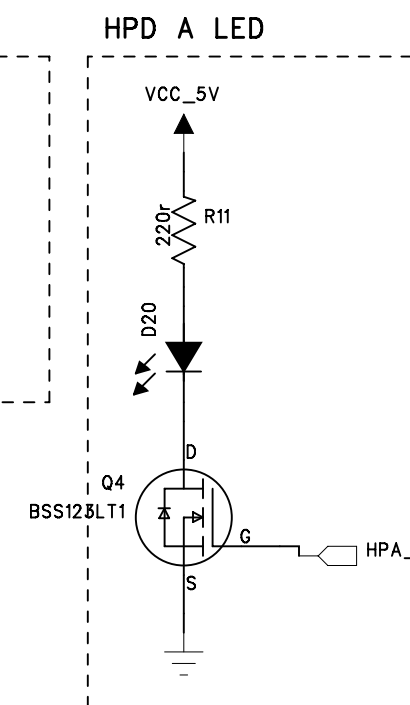
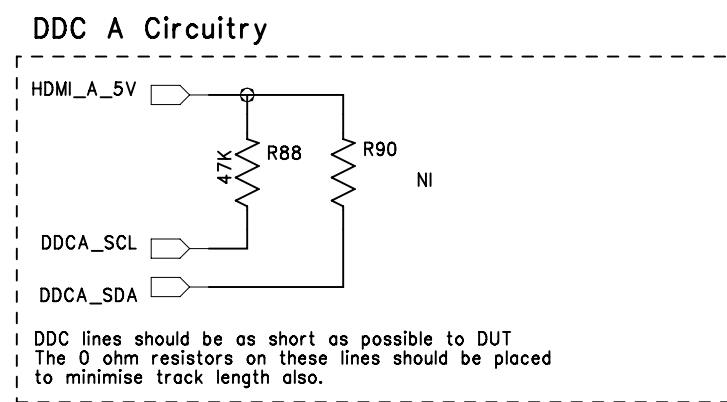
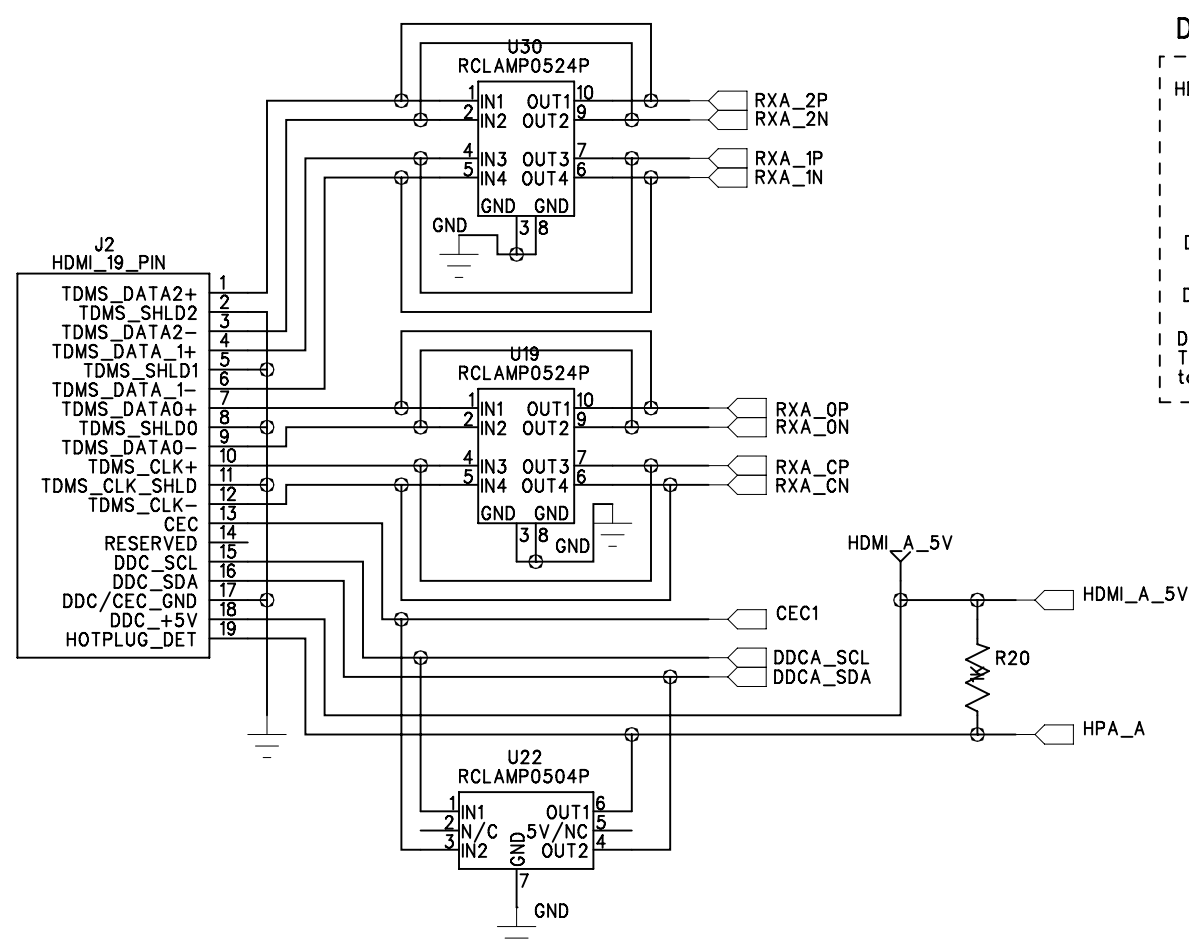
SCART and S-VIDEO Connectors



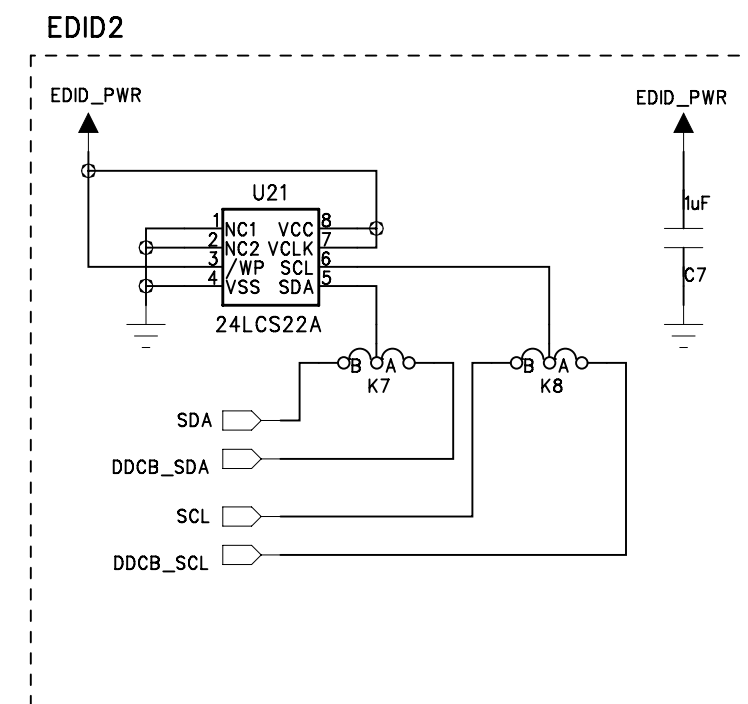
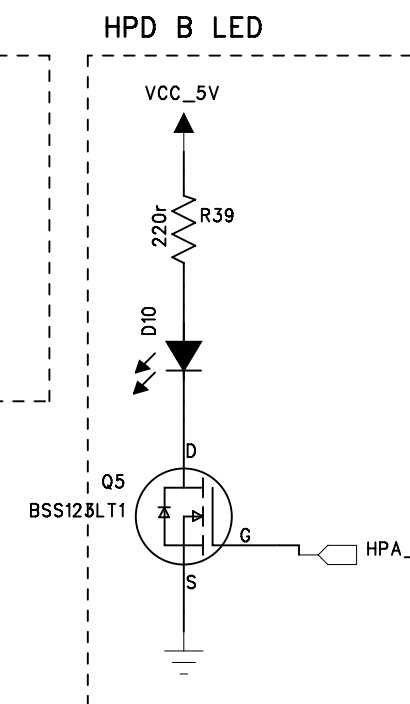
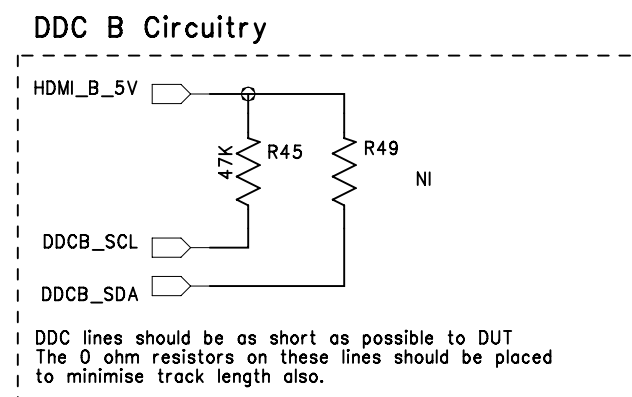
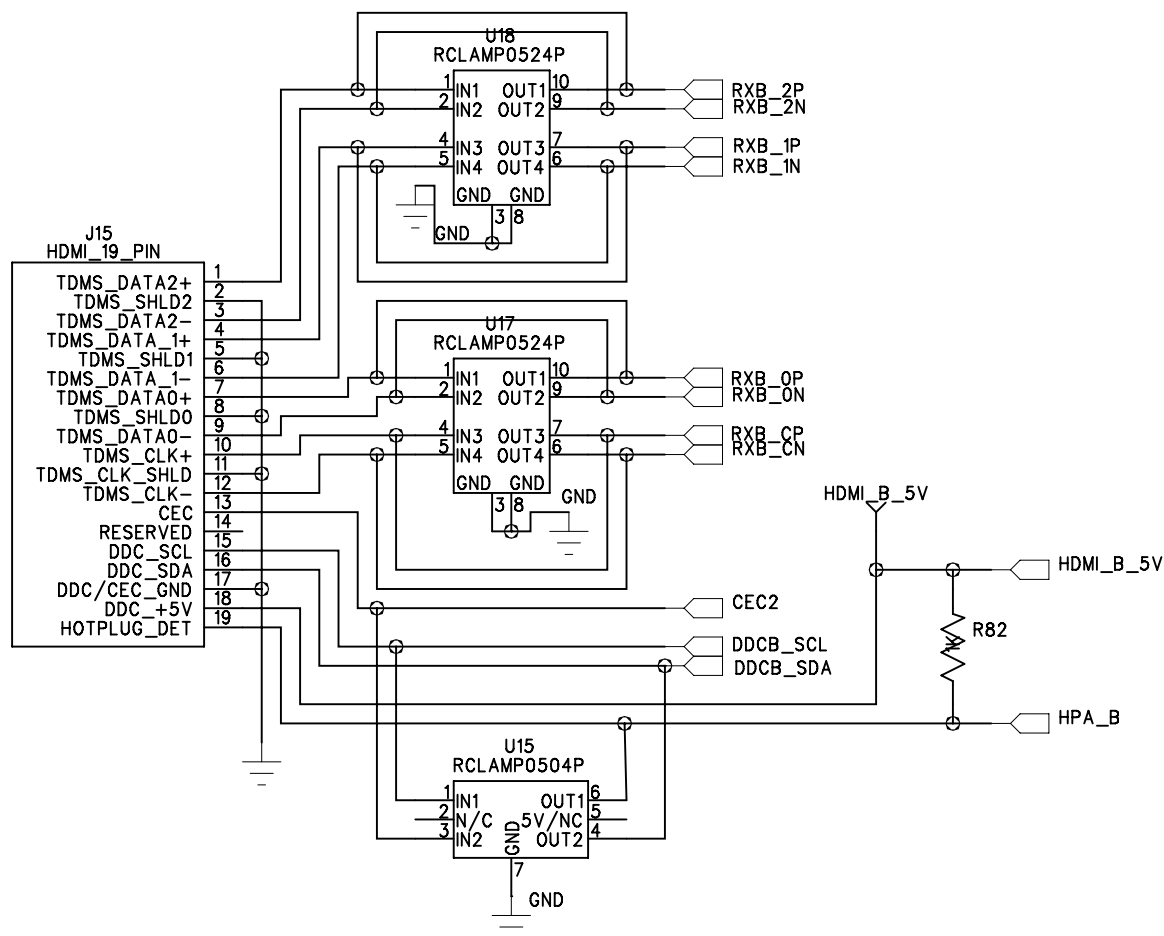
CVBS Connector



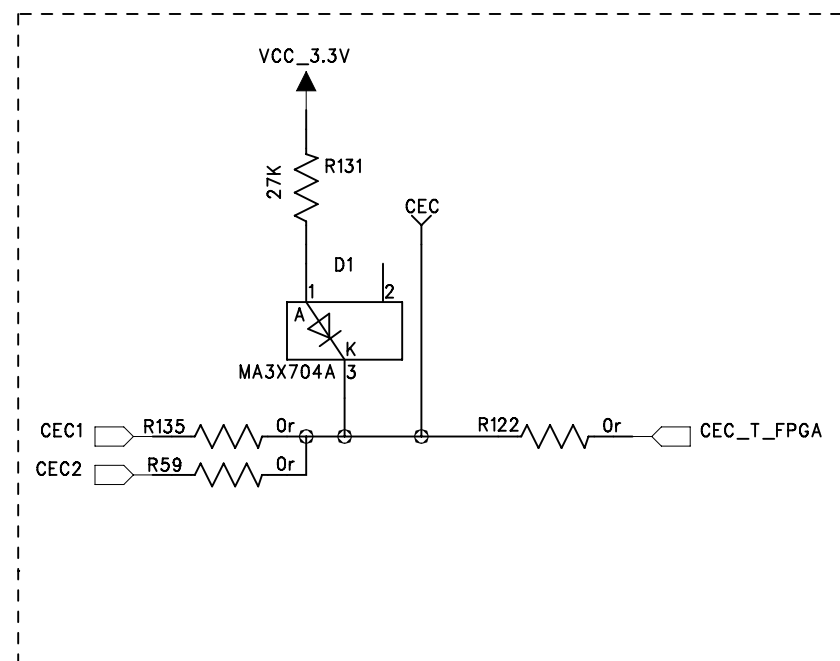
Place analog inputs as far apart as possible while maintaining similar trace lengths
Trace impedance of analog inputs to be 75 ohms
Termination resistors should be placed as close as possible to end of line



PCB Tracks for each differential pair must be tracked side by side
Each Diff pair should have 105R impedance between each other
PCB track lengths to connector should be minimum distance



CEC To 168-Pin Connector



ADV7842 Input Module

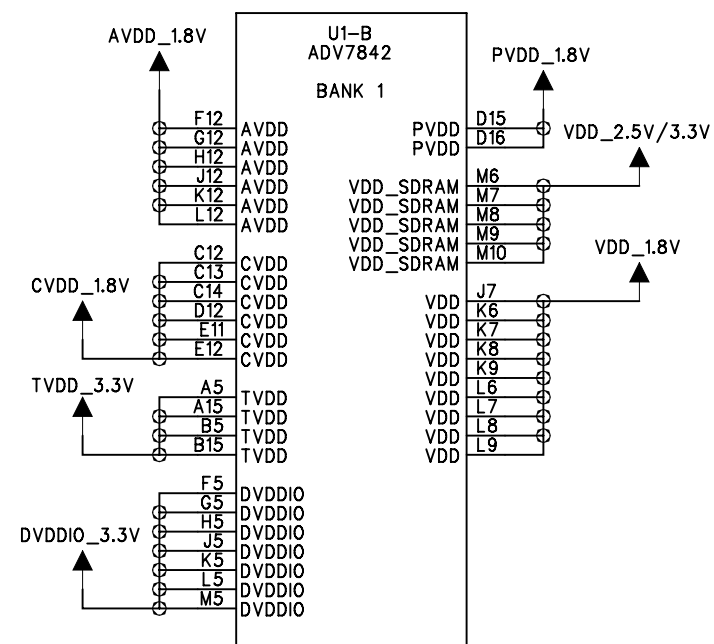
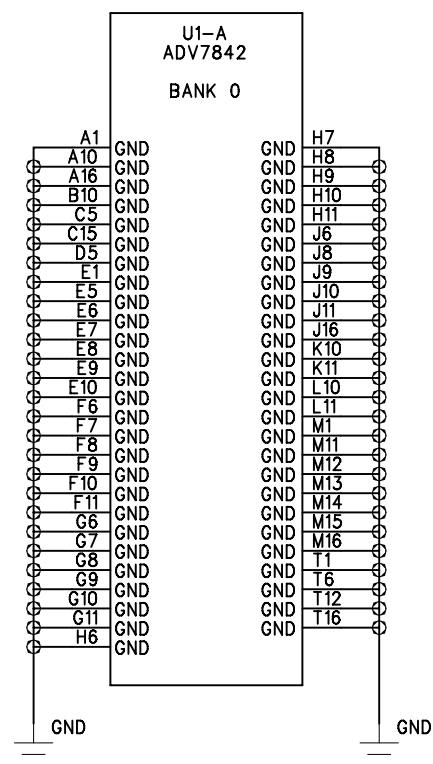
Sheet: No. 3 – HDMI Inputs

Video Applications

Date: July 2010

Revision: C

PCB Tracks for each differential pair must be tracked side by side
Each Diff pair should have 105R impedance between each other
PCB track lengths to connector should be minimum distance



ADV7842 Input Module

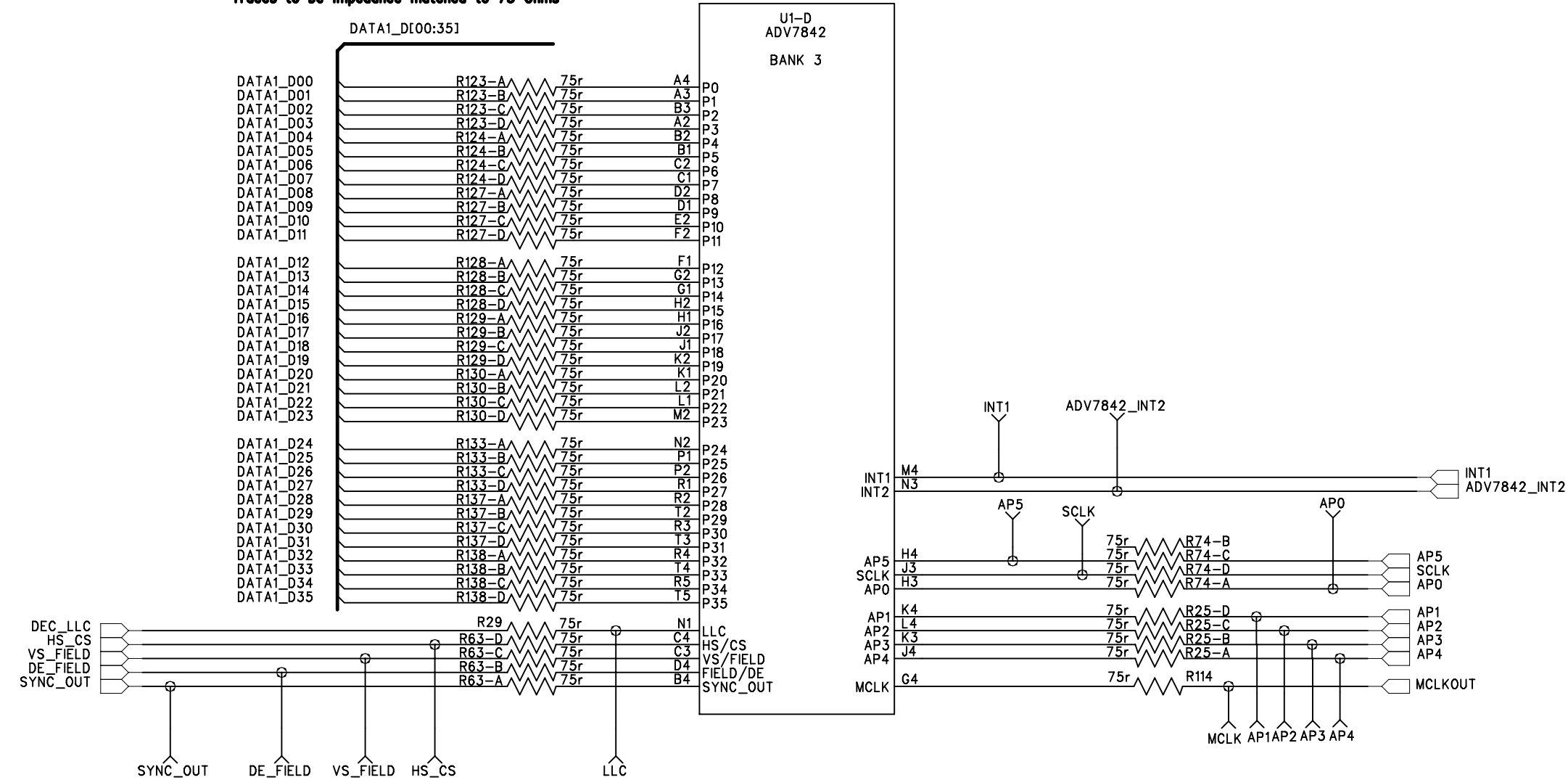
Sheet: No. 4 – ADV7842 # 1

Video Applications

Date: July 2010 Revision: C

Series Resistors to be placed as close to the Dut as possible

Traces to be impedance matched to 75 Ohms



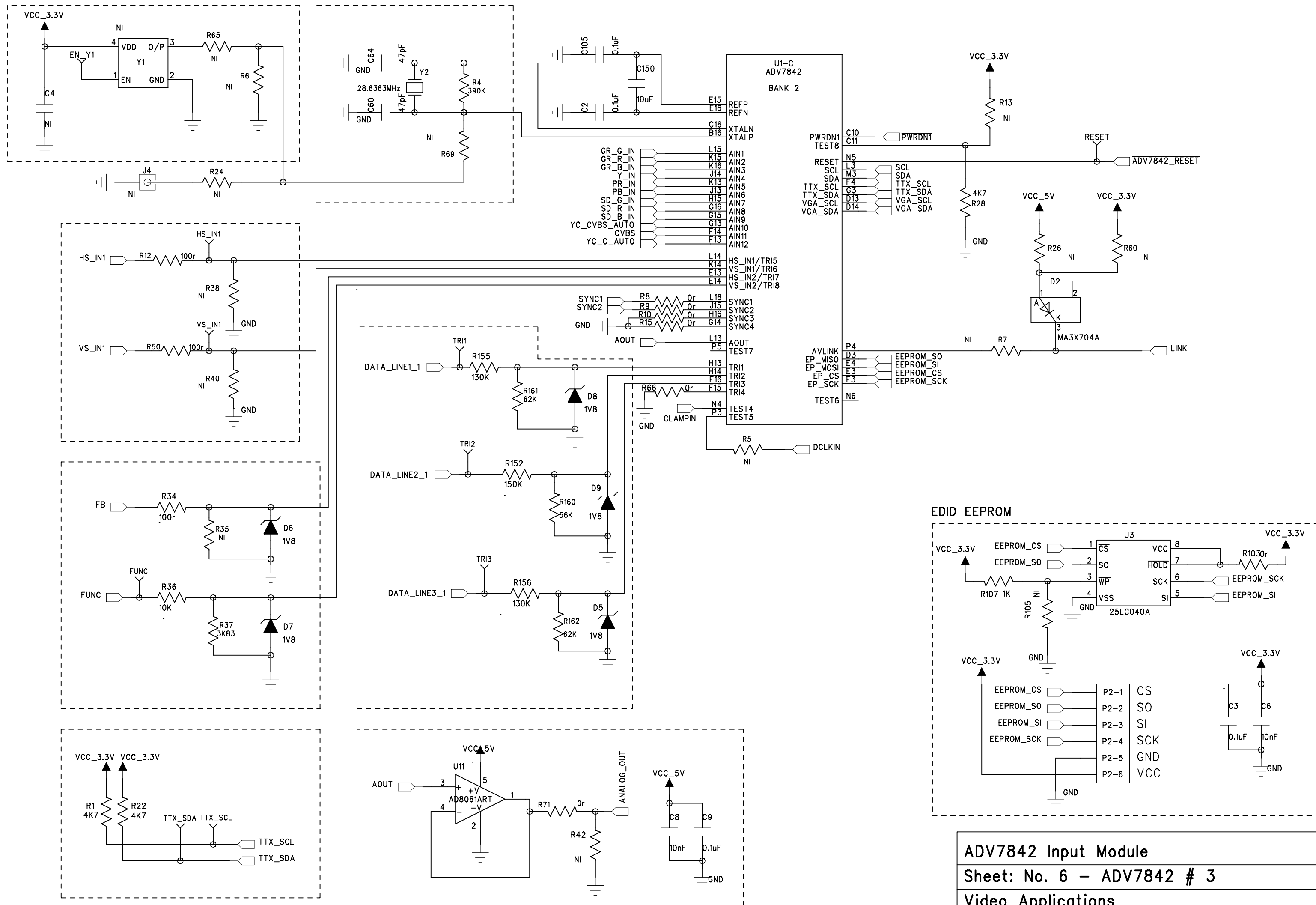
ADV7842 Input Module

Sheet: No. 5 – ADV7842 # 2

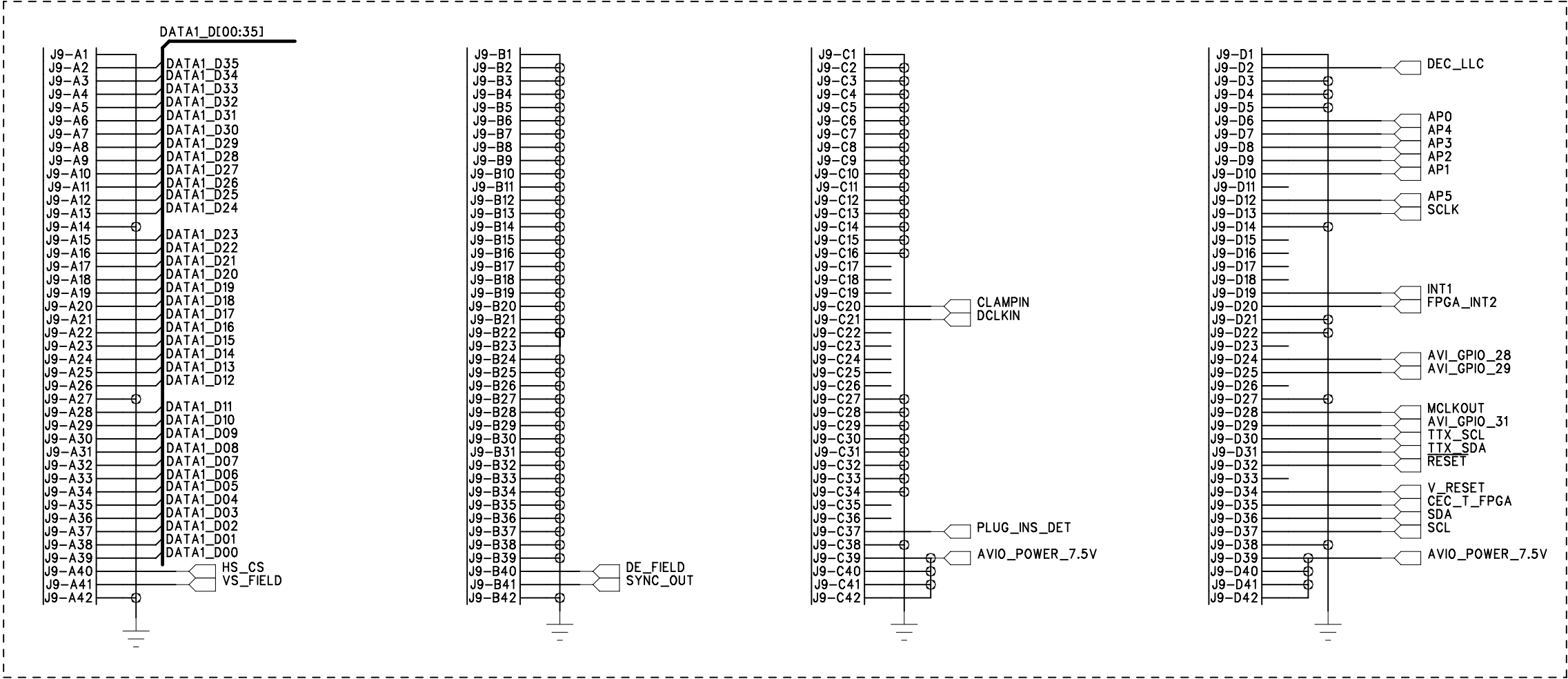
Video Applications

Date: July 2010

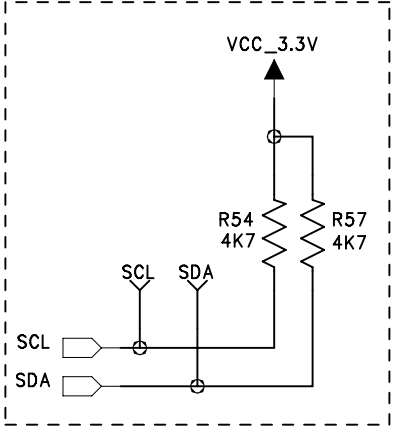
Revision: C



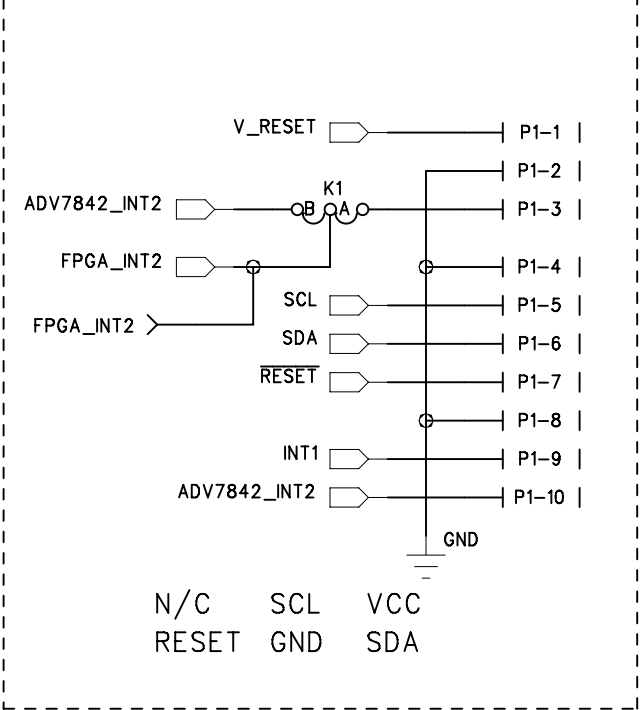
168-Pin Connector



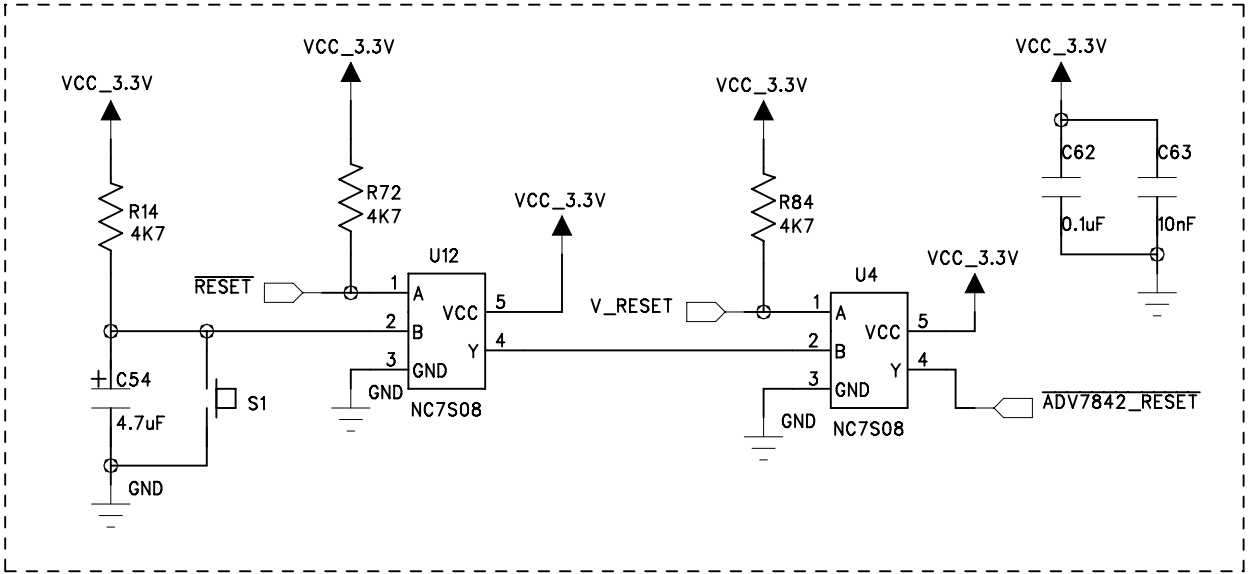
I2C Pull-Up Resistors



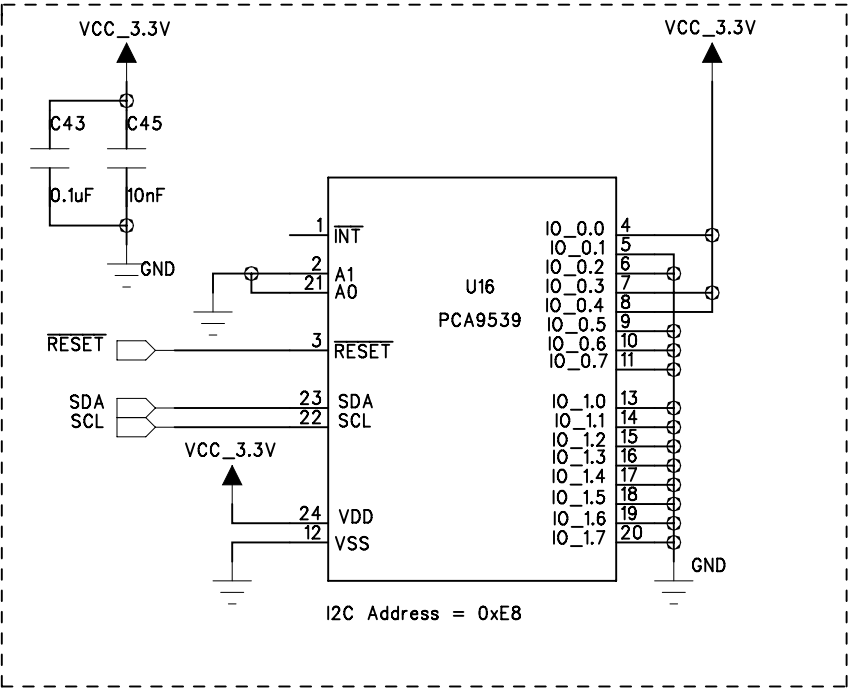
I2C Header



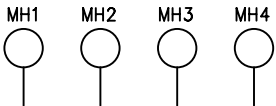
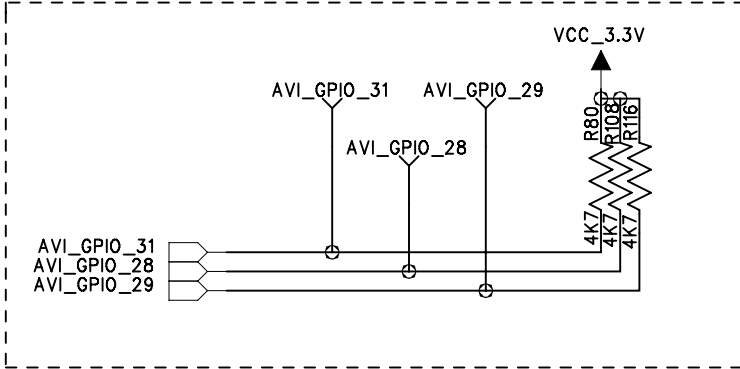
Reset Circuitry



Board Identification Bus Expander = 0x0019



GPIO



ADV7842 Input Module

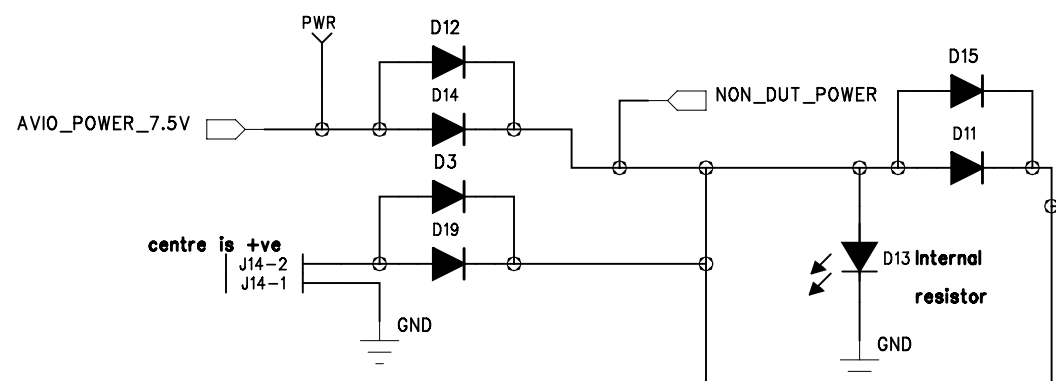
Sheet: No. 8 – Connector

Video Applications

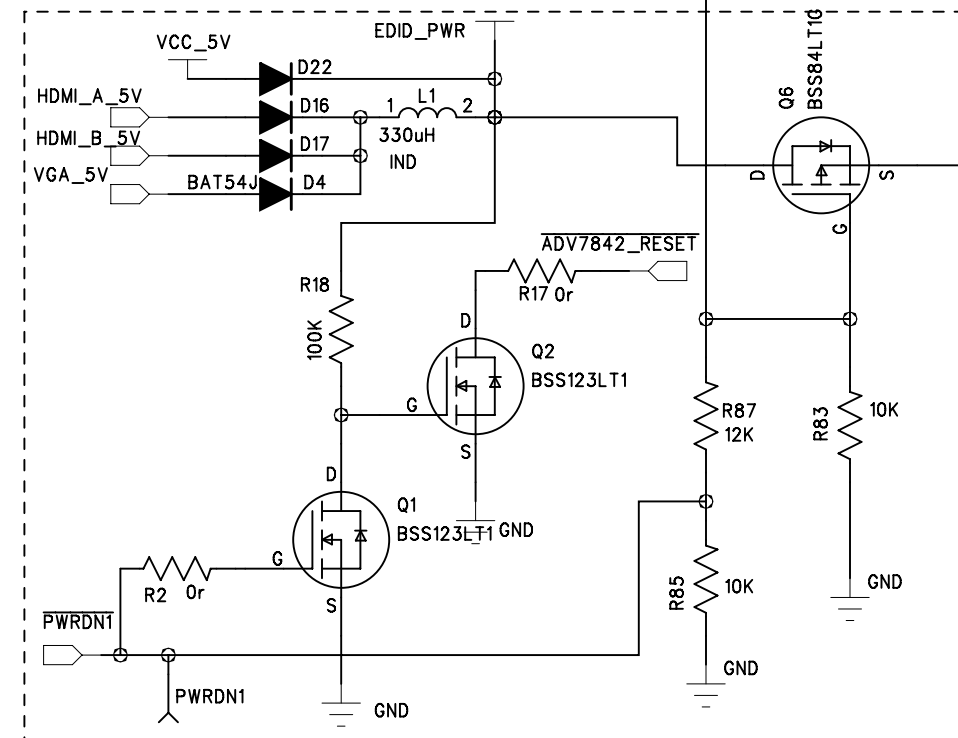
Date: July 2010

Revision: C

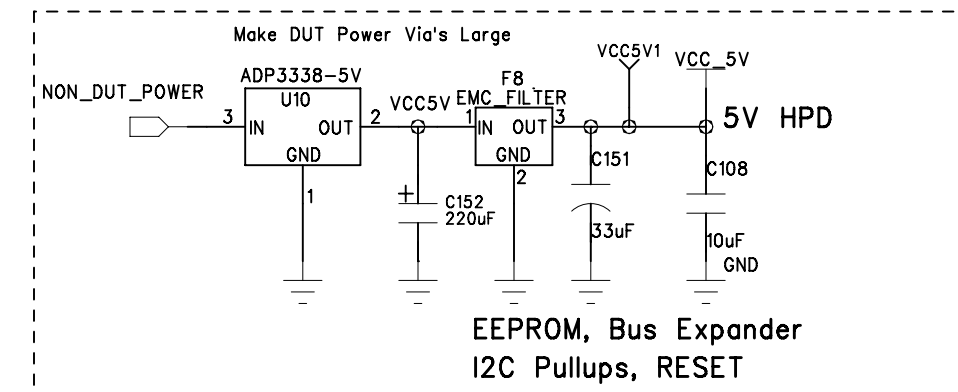
Large through Hole testpoints – keep PWR & GND together



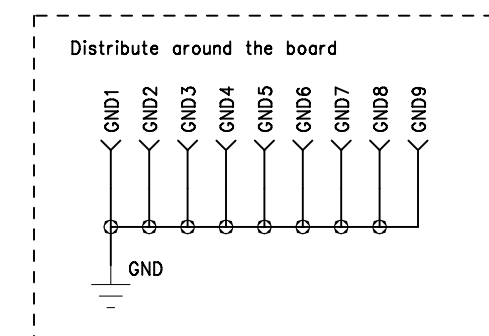
EDID HDMI Power & Reset/Power Circuit



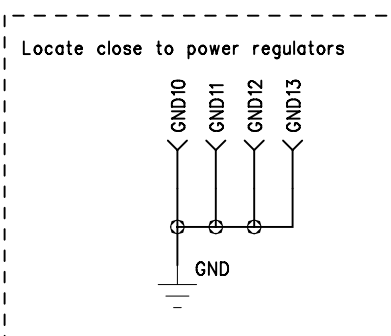
Misc. Regulators



Ground Test Points 1



Ground Test Points 2



SHUTDOWN THRESHOLD:
1V8_EN > 1.3V = ENABLED
1V8_EN < 0.3V = DISABLED

