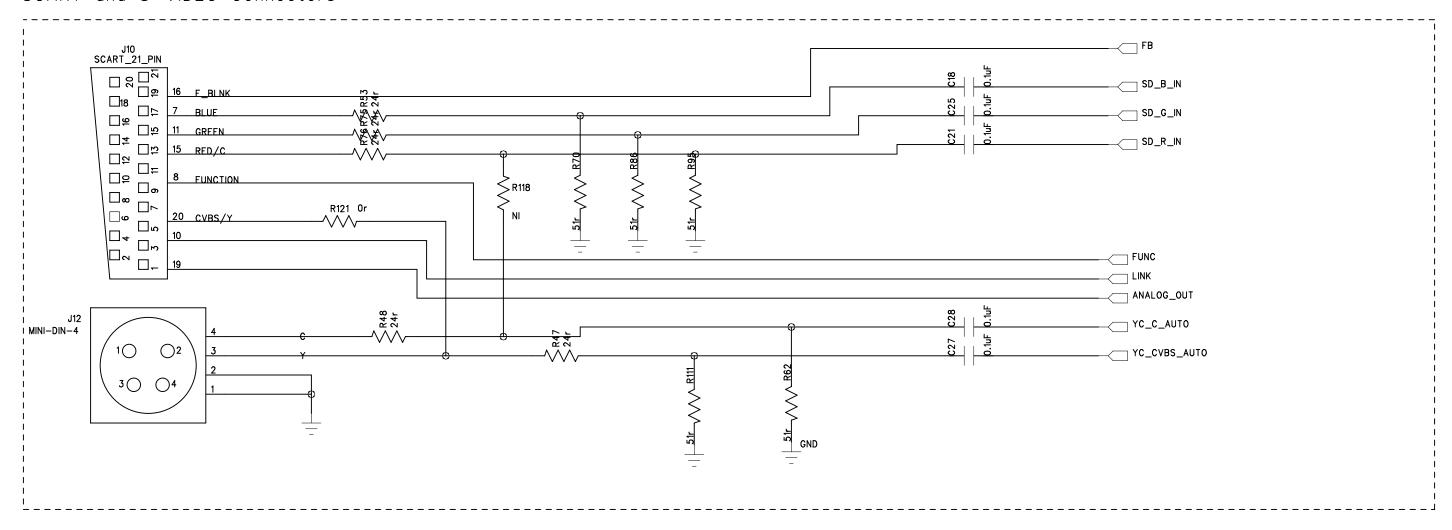


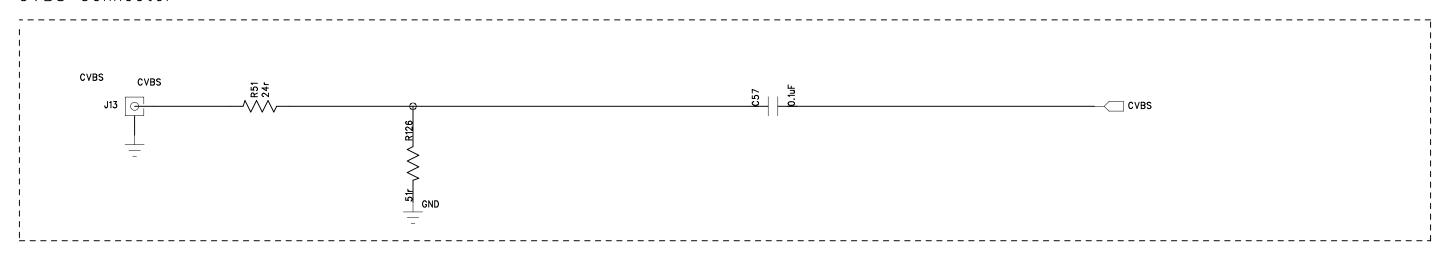
Place analog inputs as far apart as possible while maintaining similar trace lengths Trace impedance of analog inputs to be 75 ohms Termination resistors should be placed as close as possible to end of line

ADV7842 Input Module
Sheet: No. 1 — Analog Inputs 1
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SCART and S-VIDEO Connectors

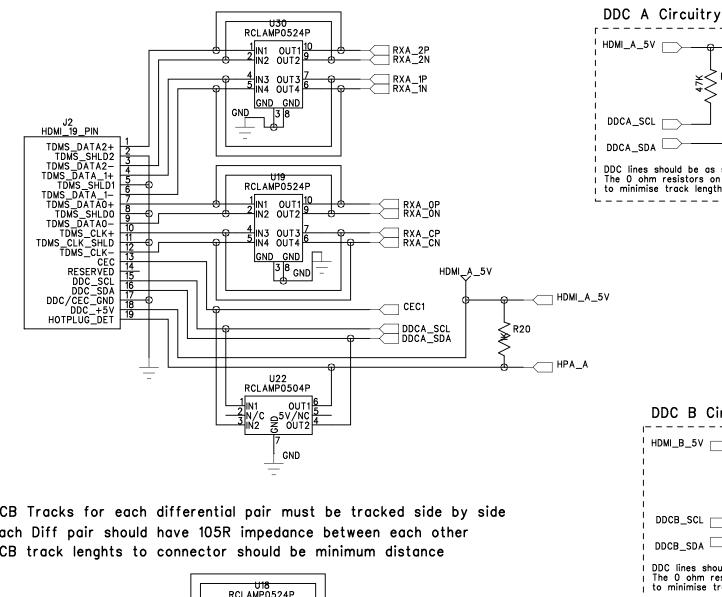


CVBS Connector

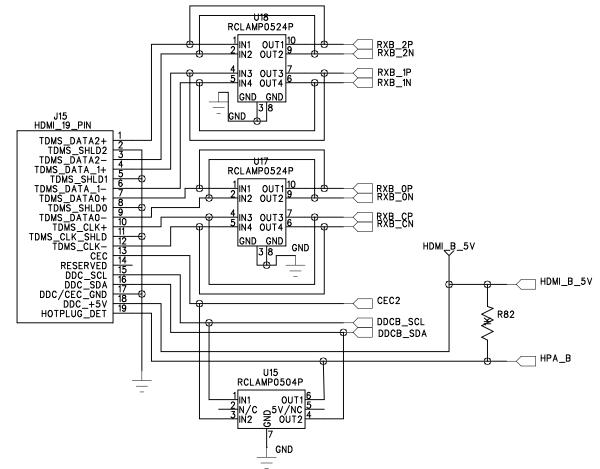


Place analog inputs as far apart as possible while maintaining similar trace lengths Trace impedance of analog inputs to be 75 ohms Termination resistors should be placed as close as possible to end of line

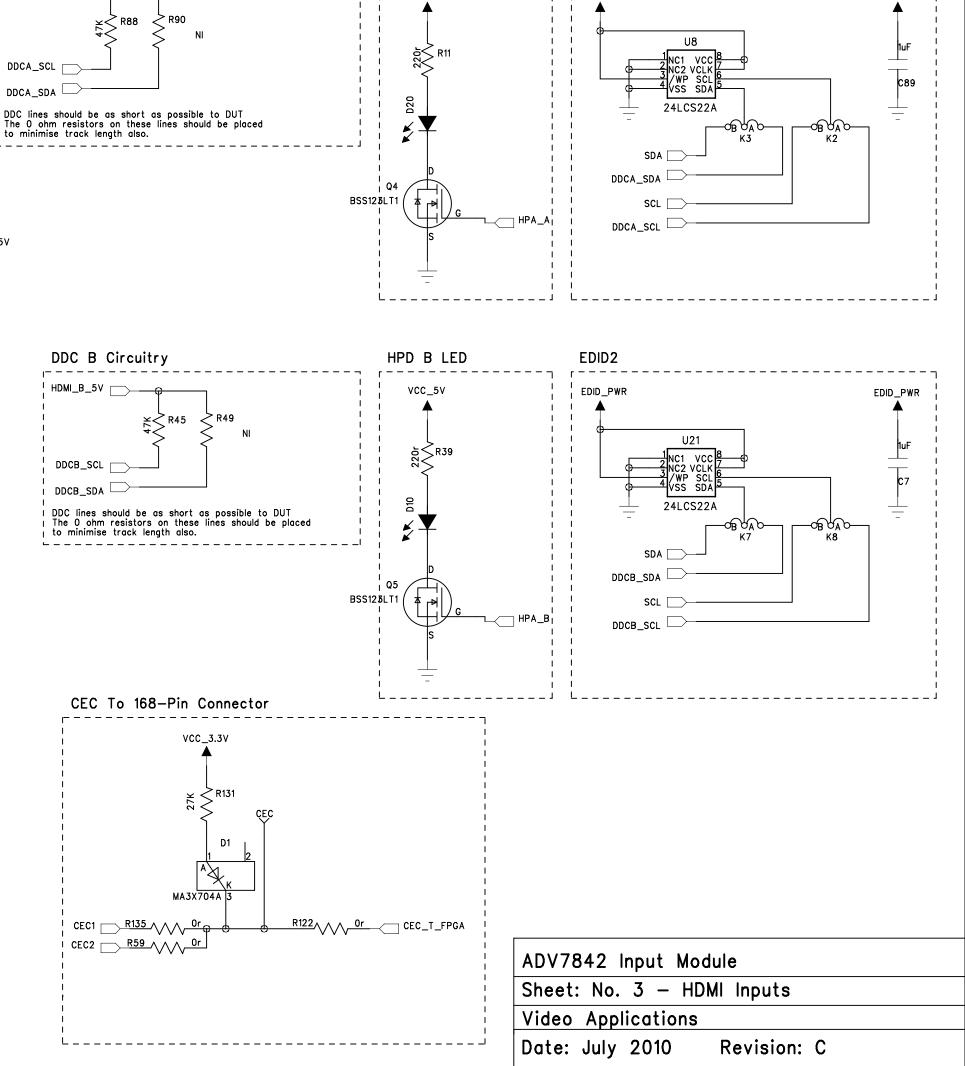
ADV7842 Input Module	
Sheet: No. 2 - Analog Inputs 2	
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PCB Tracks for each differential pair must be tracked side by side Each Diff pair should have 105R impedance between each other PCB track lenghts to connector should be minimum distance



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



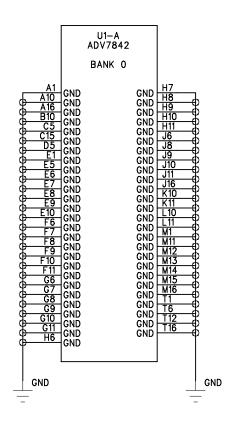
HPD A LED

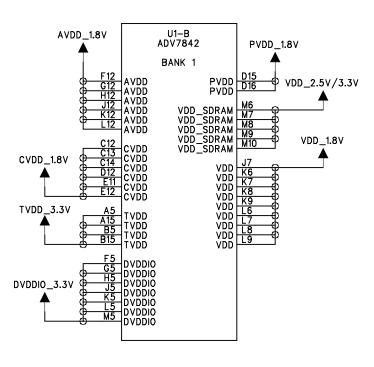
VCC_5V

EDID1

EDID_PWR

EDID_PWR





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Sheet: No. 4 - AD\	/7842 # 1
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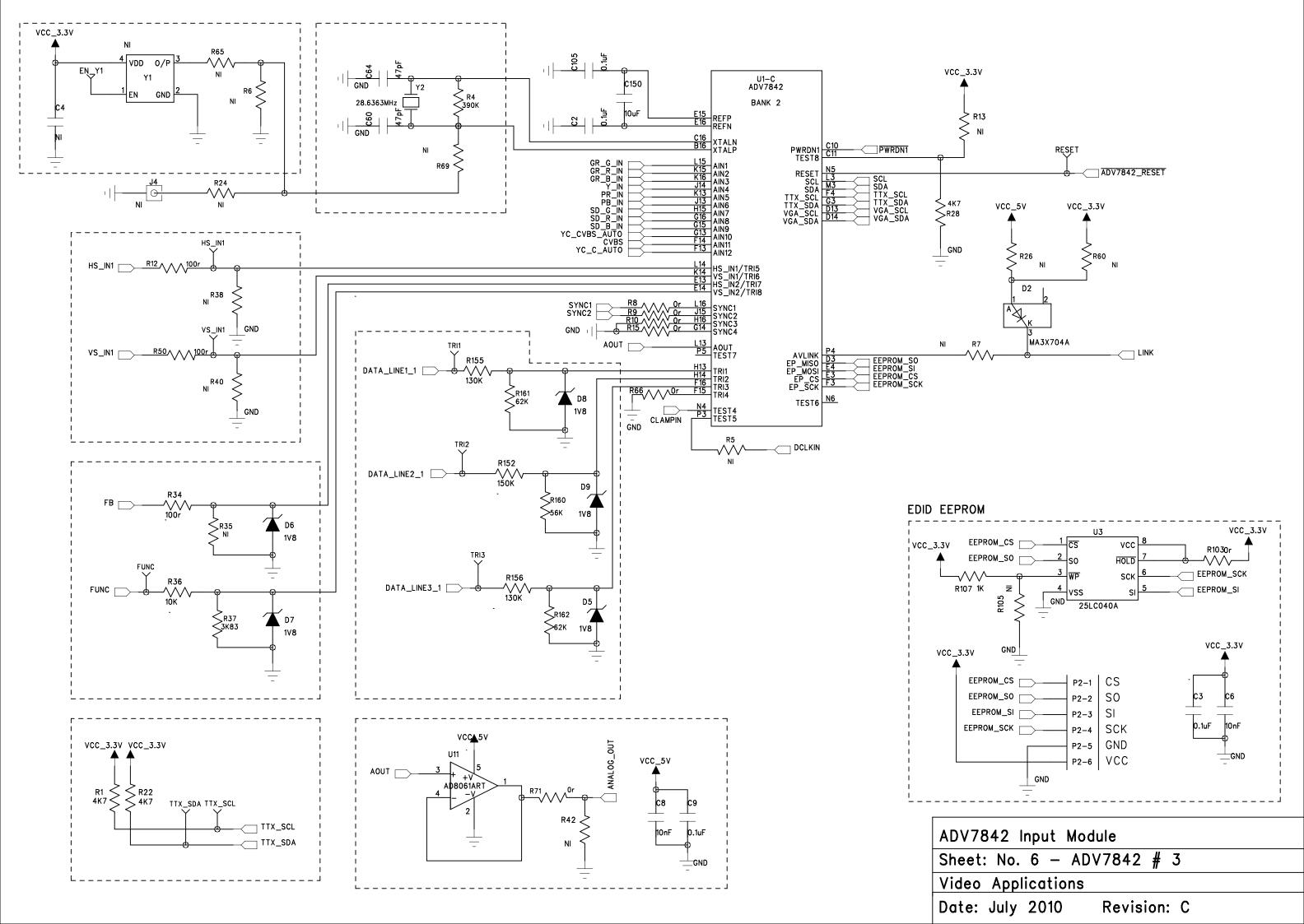
Series Resistors to be placed as close to the Dut as possible Traces to be impedance matched to 75 Ohms U1-D ADV7842 DATA1_D[00:35] BANK 3 DATA1_D00 DATA1_D01 DATA1_D02 DATA1_D03 DATA1_D03 DATA1_D05 DATA1_D06 DATA1_D06 DATA1_D09 DATA1_D09 DATA1_D10 DATA1_D10 DATA1_D10 R123-A 75r R123-B 75r R123-C 75r R123-D 75r R124-A 75r R124-B 75r R124-C 75r R124-D 75r R127-B 75r R127-B 75r R127-B 75r R127-D 75r R127-D 75r A4 A3 B3 A2 P2 B3 B2 P3 B1 P4 C2 C1 D2 P7 D2 P8 D1 P9 F2 P10 P11 F1 G2 P13 G1 P14 H2 P15 H1 P16 J2 P17 J1 P17 K2 P19 K1 P20 L2 P21 M2 P23 R128-A 75r R128-B 75r R128-C 75r R129-A 75r R129-A 75r R129-B 75r R129-C 75r R130-A 75r R130-A 75r R130-C 75r R130-C 75r DATA1_D12 DATA1_D13 DATA1_D14 DATA1_D15 DATA1_D15 DATA1_D17 DATA1_D18 DATA1_D18 DATA1_D20 DATA1_D21 DATA1_D21 DATA1_D21 DATA1_D22 DATA1_D22 ADV7842_INT2 N2 P1 P2 P24 P25 P2 P26 R1 P26 R2 P29 T3 P30 R3 P30 R4 P31 T4 P33 T5 P34 P35 DATA1_D24 DATA1_D25 DATA1_D26 DATA1_D27 DATA1_D27 DATA1_D29 DATA1_D30 DATA1_D30 DATA1_D31 DATA1_D32 DATA1_D33 DATA1_D33 DATA1_D34 DATA1_D35 R133—A 75r R133—B 75r R133—C 75r R137—A 75r R137—A 75r R137—C 75r R137—C 75r R138—A 75r R138—B 75r R138—B 75r R138—B 75r INT1 ADV7842_INT2 SCLK AP5 H4 SCLK AP0 H3 AP1 AP2 AP3 AP4 AP1 AP2 AP3 AP4 R29 75r R63-D 75r R63-C 75r R63-B 75r R63-B 75r N1 C4 HS/CS C3 D4 FIELD/DE SYNC_OUT DEC_LLC HS_CS VS_FIELD DE_FIELD SYNC_OUT 75r \ \ \ \ \ \ R114 MCLK G4 MCLKOUT MCLK AP1AP2 AP3 AP4 ιcc DE_FIELD VS_FIELD HS_CS

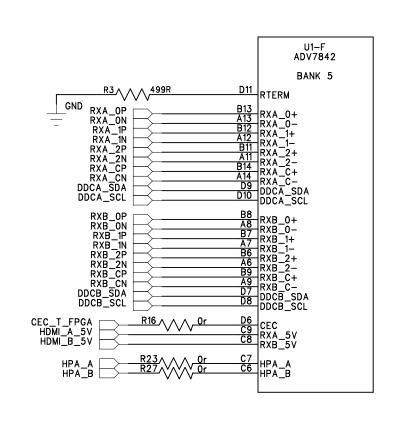
ADV7842 Input Module

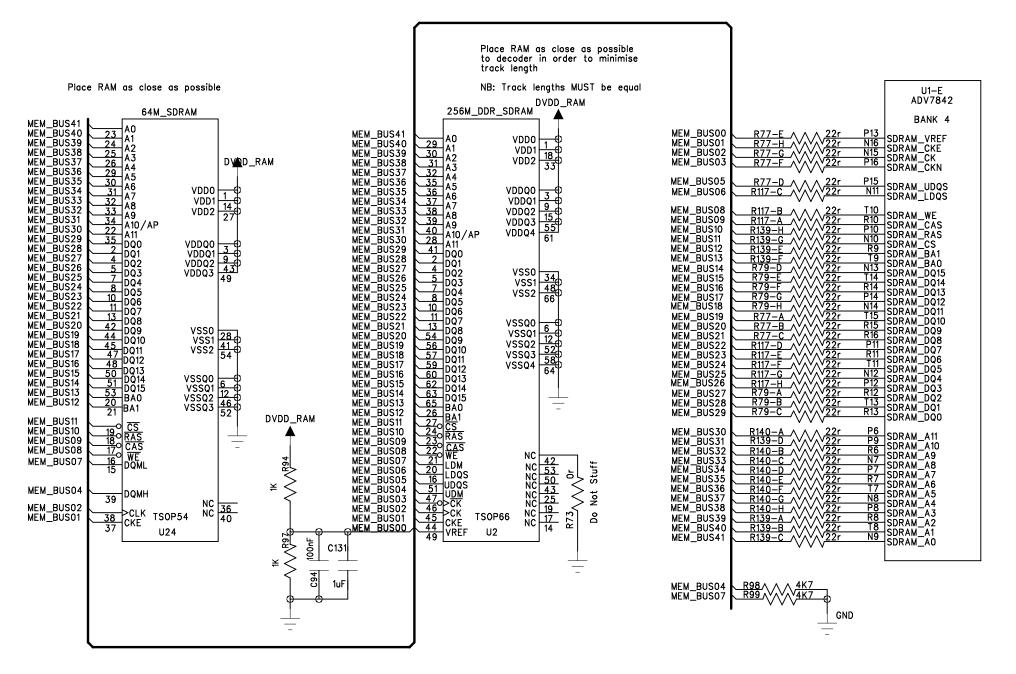
Sheet: No. 5 - ADV7842 # 2

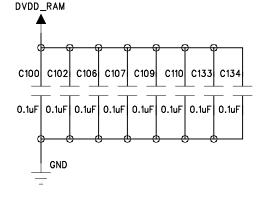
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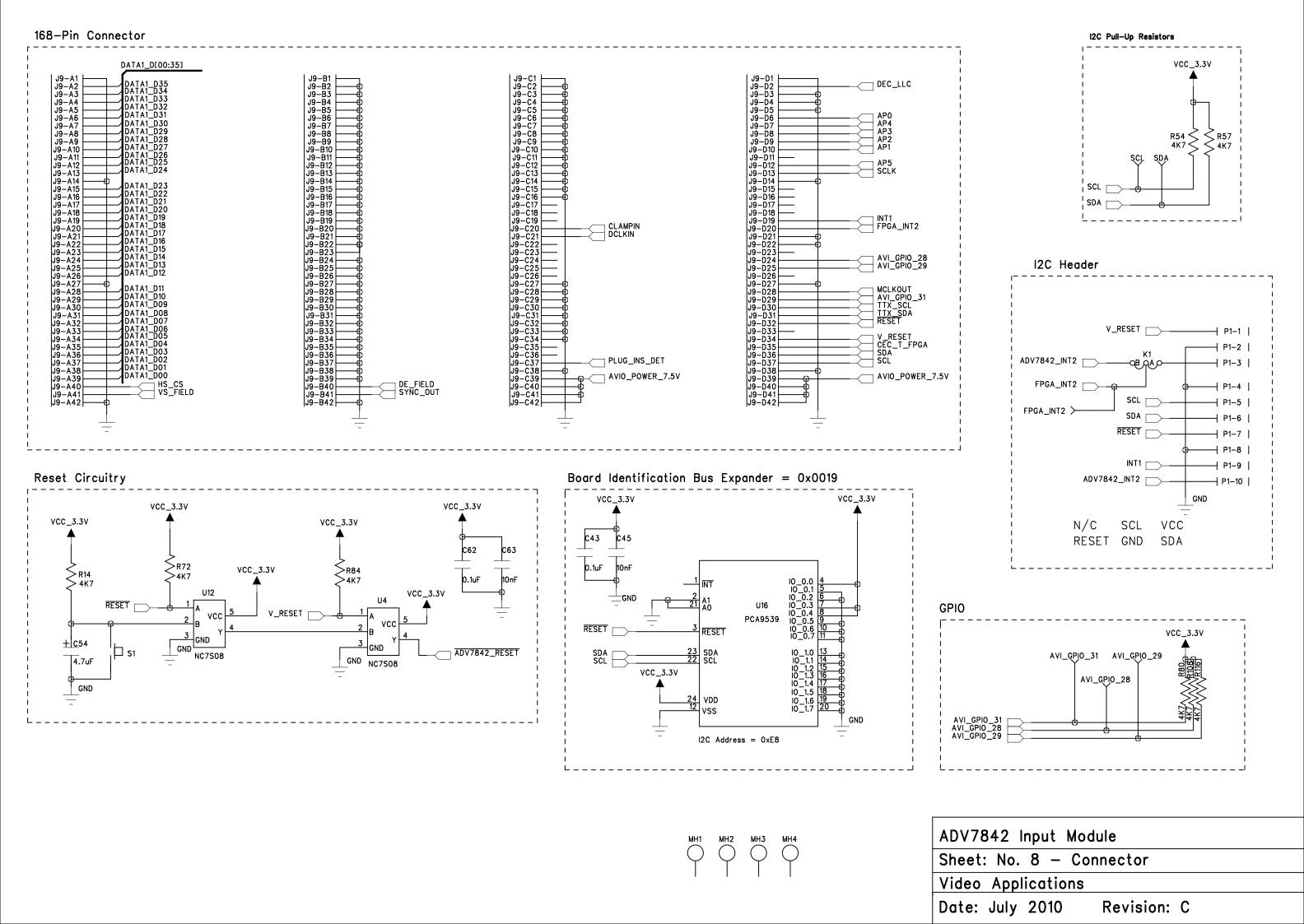


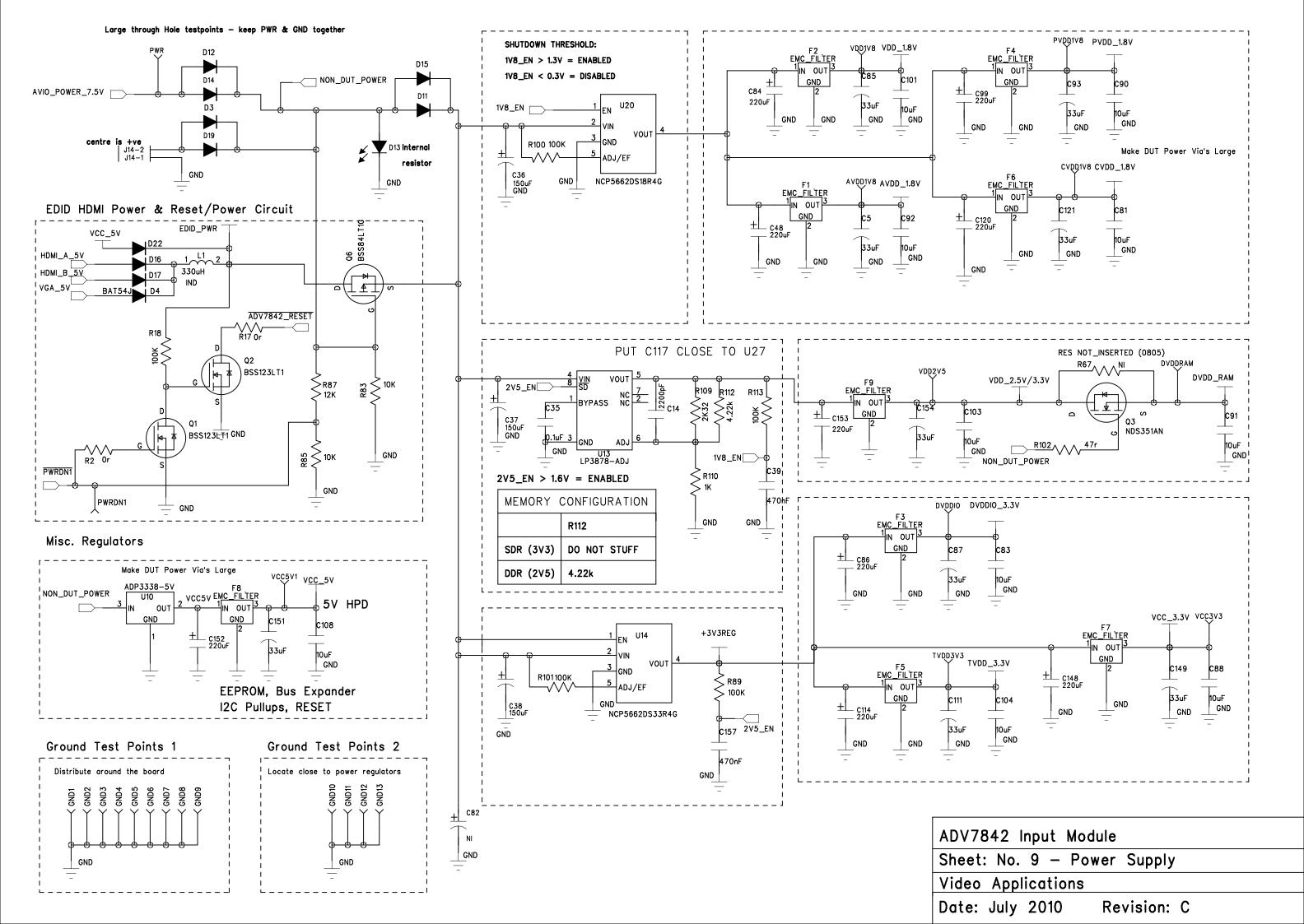
ADV7842	Input	Module
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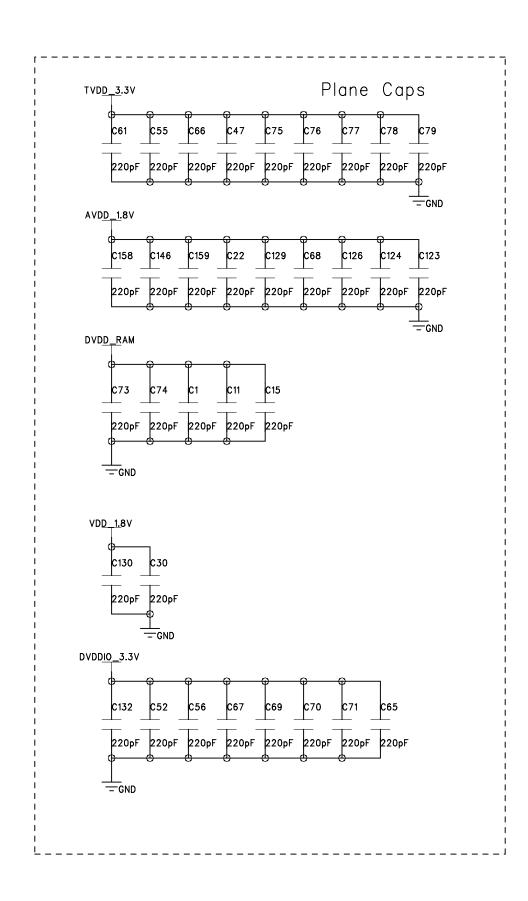
Sheet: No. 7 - ADV7842 # 4

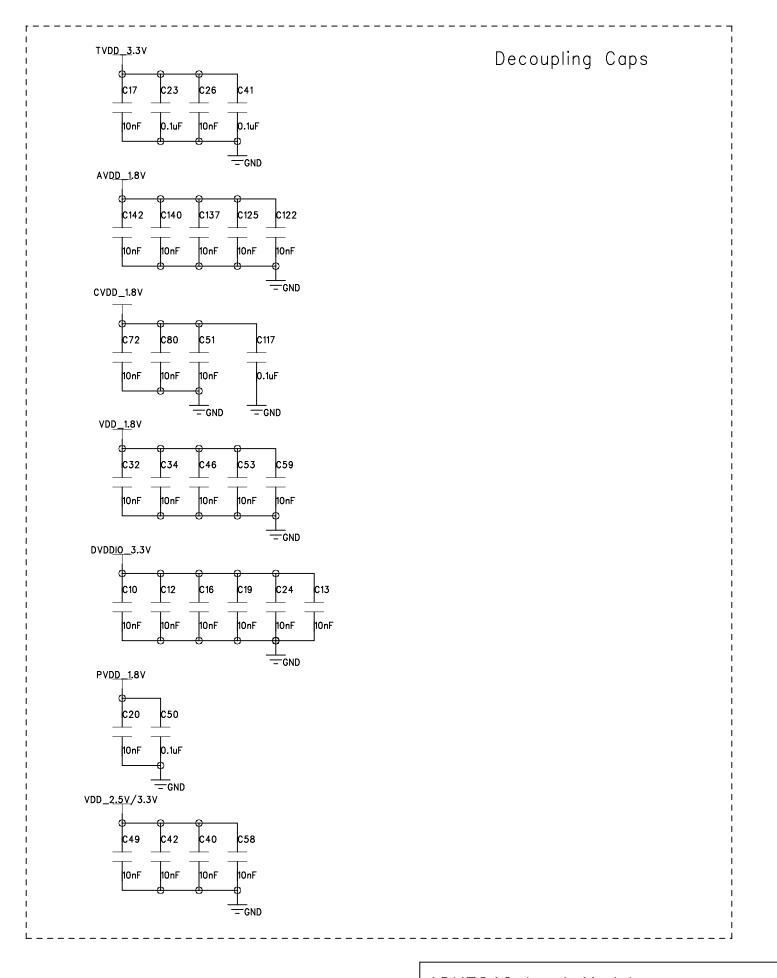
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ADV7842 Input Module

Sheet: No. 10 - ADV7842 Decoupling

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