

REVISION HISTORY

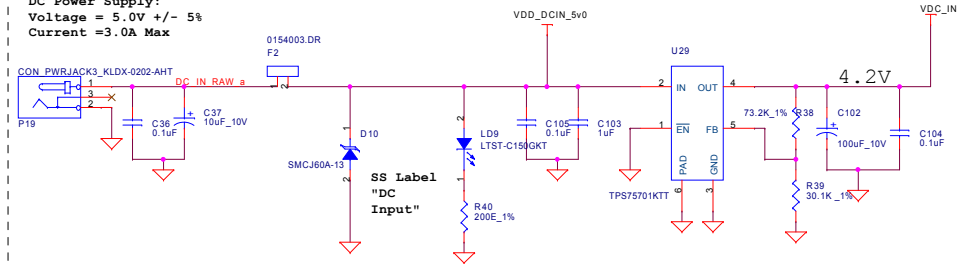
REV	Description	DATE
REV E	Base Line version : OMAP35X_EVM_MB_SCH, Rev-D 1) Connected SYS_BOOT5 to ENET_nRST. 2) Filtering capacitors added on the touch panel X/Y lines 3) Battery charging section cleaned up 4) USB VBUS circuitry changed to provide up to 500mA 5) audio Headset detect Circuitry Added 6) DRM_MSECURE connected to GPIO 7) On board MDC Support 8) On board Camera Support 9) WL1271 Support	06-MAY-09
	Review comments updated	28-MAY-09
REV F	3-Pin Header Added to Enable/Disable AC Charger Ethernet Section: R822 - DNI, EEPROM Changed to 93AA46A-I/SN Touch Screen Section: C147, C148, C149 & C150- DNI	30-JUN-09
REV G	1) WLAN Support through 60-Pin connector removed 2) Camera connectors added for Micron connector, LI connector & LI 3-MPixel Module 3) EHCI: 1.8V Power rail sourced from VAUX2 4) OTG VBUS Switch control from ISP1507 (500mA Support) 5) JFFS2 issue fix: nCAM_VD_EN signal changed from GPIO_62 to T2_GPIO8	28-AUG-09
	Review comments updated 1. Series Termination added for GPFC_CLK 2. Make D14, D15, D30 & D31 as DNI	01-SEP-09

TABLE OF CONTENTS

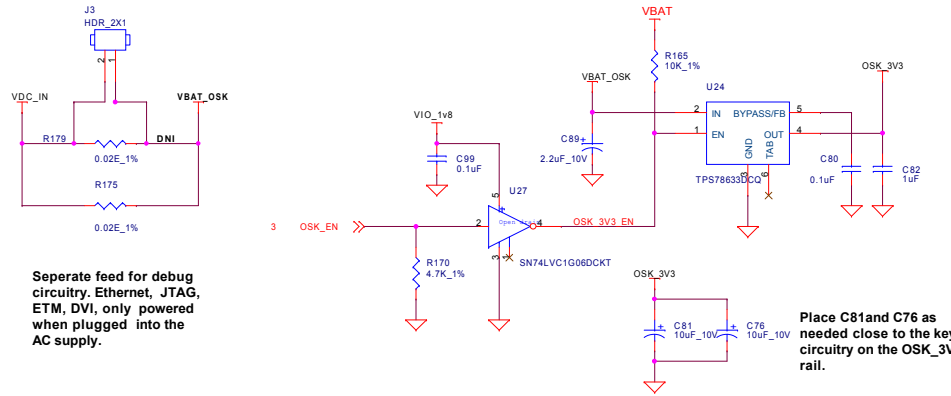
Page No.	Schematic Page
01	Cover Page
02	Power Distribution
03	TPS65950 Power board connectors
04	OMAP Processor board connectors
05	Ethernet Interface and Clock Distribution
06	LCD Panel, Touchscreen & Backlight
07	DVI Interface
08	SD/MMC, Audio and Keypad Interfaces
09	Expansion Module Connectors
10	UART Interface
11	ETM & JTAG Interfaces
12	HSUSB OTG Interface
13	HSUSB Transceiver and USB
14	Video Decoder Interface
15	Video-IN Multiplexing
16	Transceivers & Switches
17	On Board Camera Interface
18	Micron Connector Transceivers
19	Micron & LI Camera Connectors
20	Miscellaneous

DC Wall Supply Section

DC Power Supply:
Voltage = 5.0V +/- 5%
Current = 3.0A Max

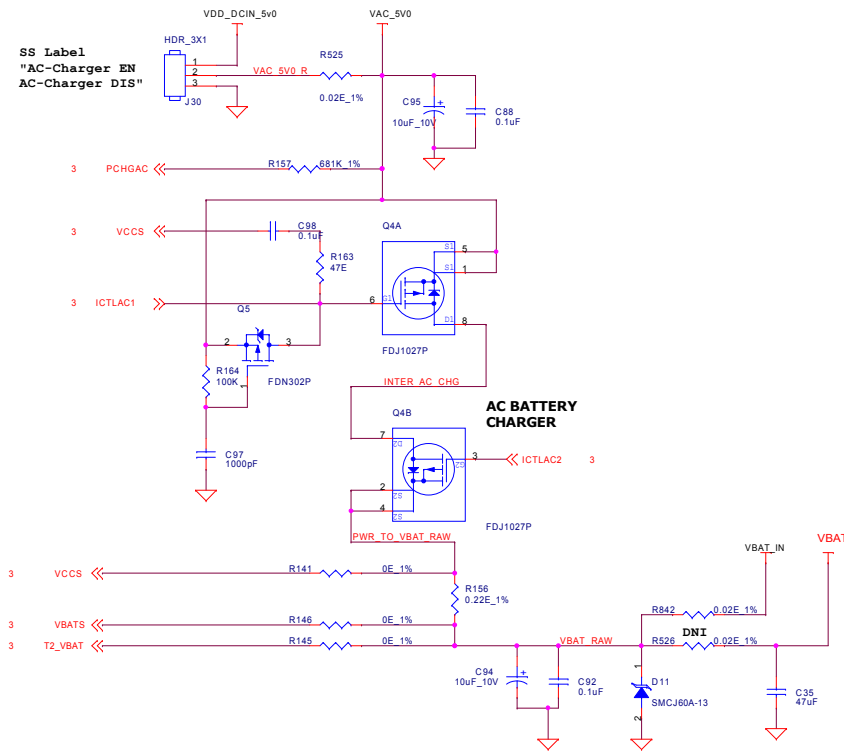


Power for the Ethernet, DVI, JTAG domain

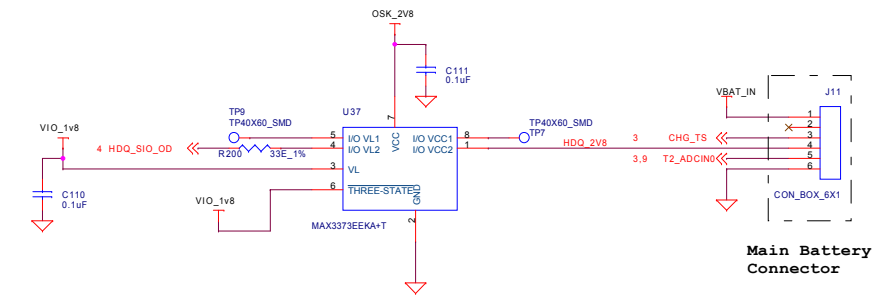


BATTERY CHARGER SECTION

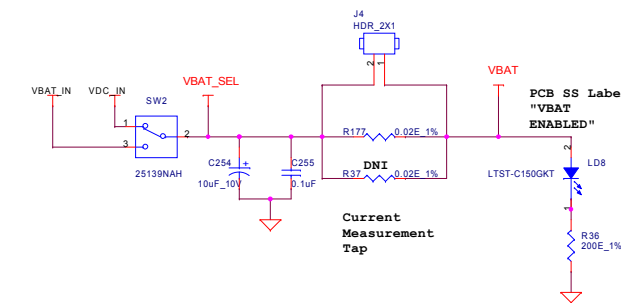
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"AC-Charger EN
AC-Charger DIS"



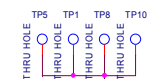
Bi-directional level translator for HDQ I/F

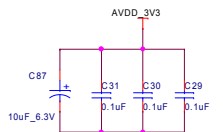
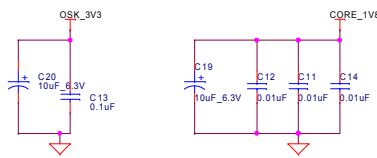


BATTERY INPUT SELECTION

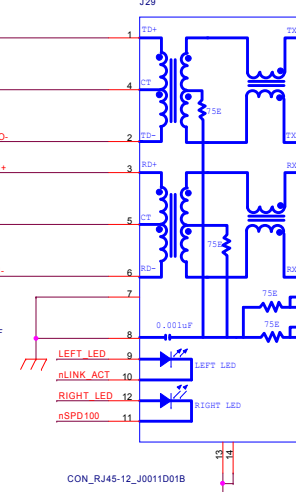
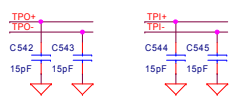
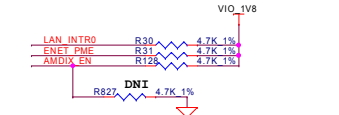
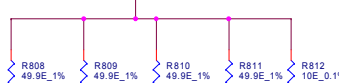
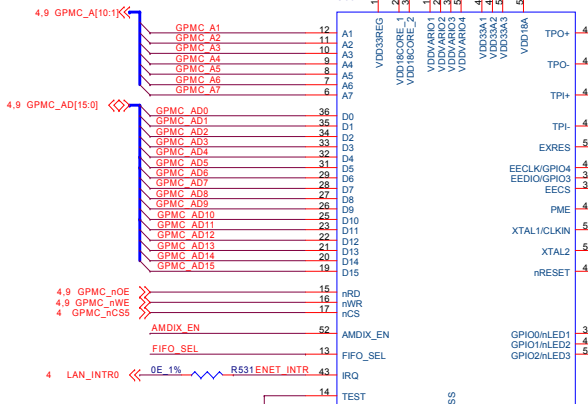
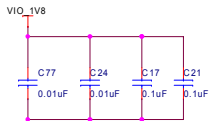


GND Probe points



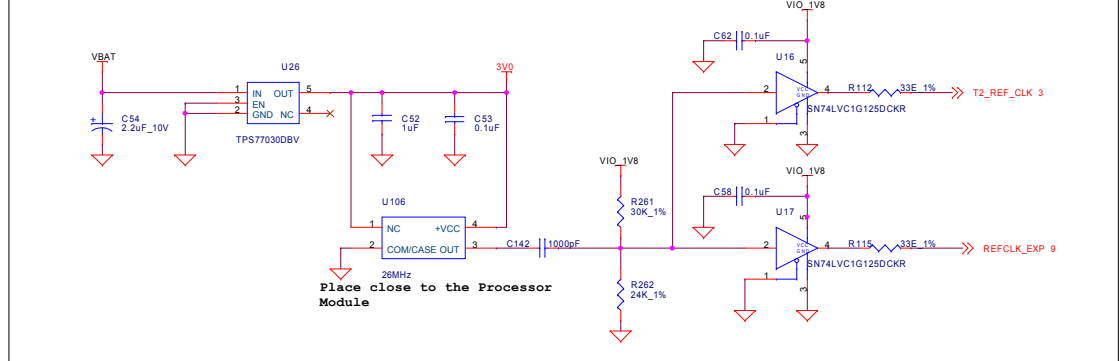


Place close to U66

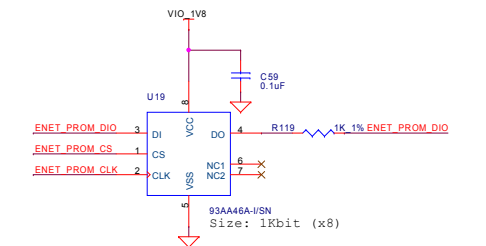


CON_RJ45-12_0001D01B

26MHZ Clock Section



Place close to the Processor Module



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OMAP35x EVM MAIN BOARD Ethernet, Clock			
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C	OMAP_EVM_MAIN_BOARD_SCH	Mistral	G
Date:	Tuesday, September 15, 2009	Sheet	5 of 20

LCD Panel, Touchscreen, & Backlight

Place Close to the Processor

LCD Buffers/Translators

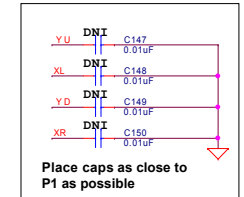
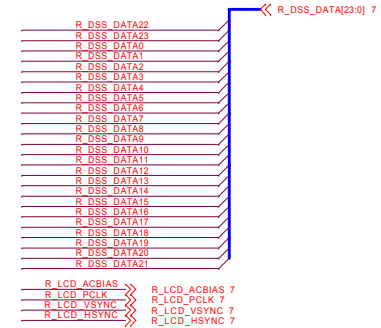
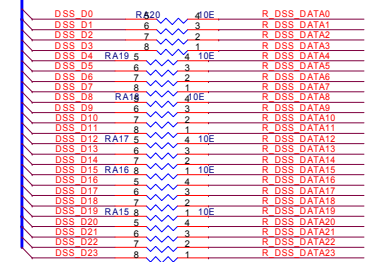
Place Close to the Buffer

Place LCD ground shield under the LCD. Tie it back to the DC input ground connection.

TOUCHSCREEN

LED BACKLIGHT

3.3V LCD Power



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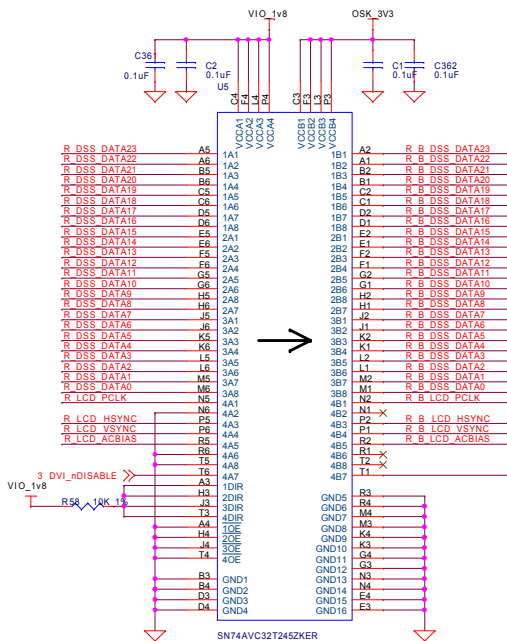
OMAP35x EVM MAIN BOARD
 LCD interface

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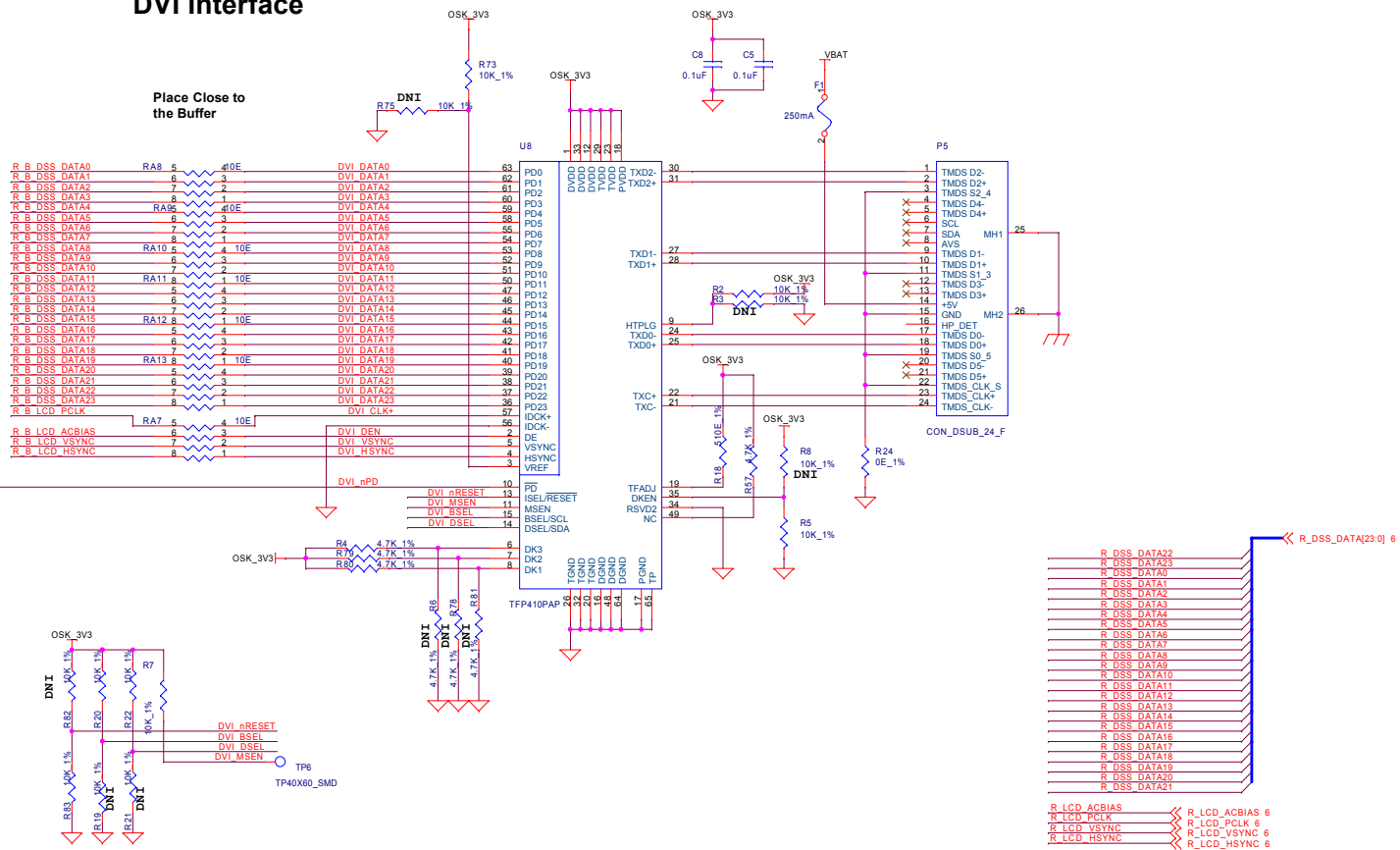
Date: Tuesday, September 15, 2009 Sheet 6 of 20

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DVI Buffers/Translators



DVI Interface



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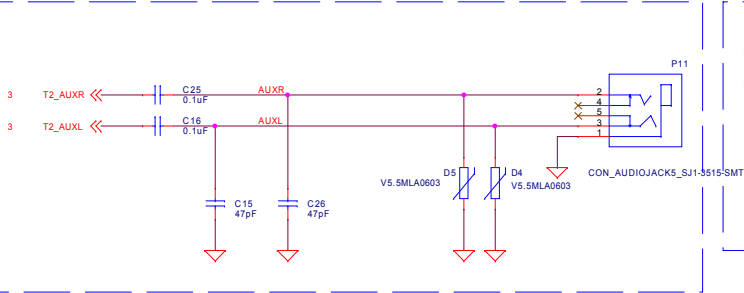
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OMAP35x EVM MAIN BOARD
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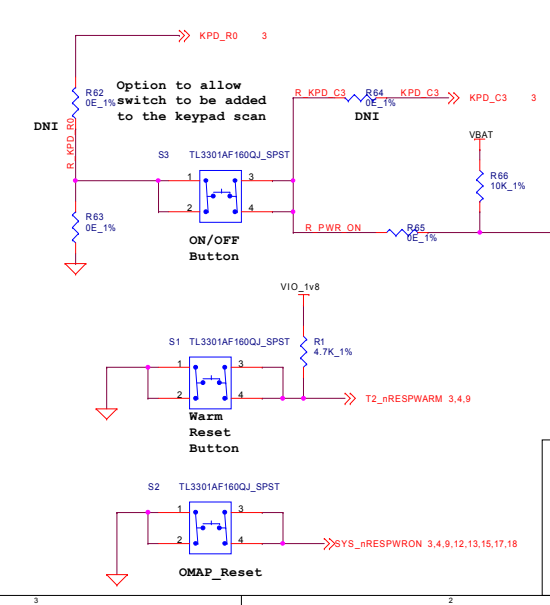
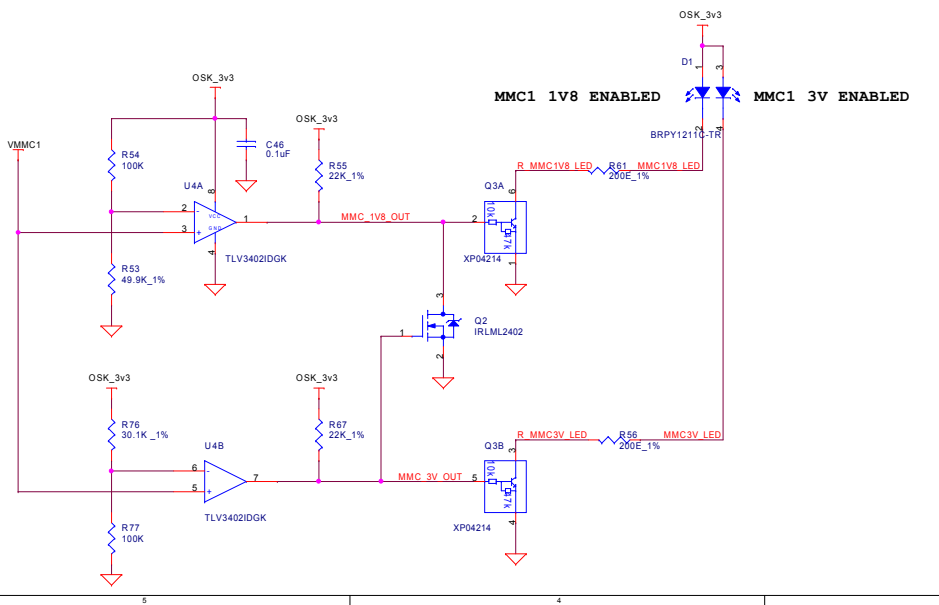
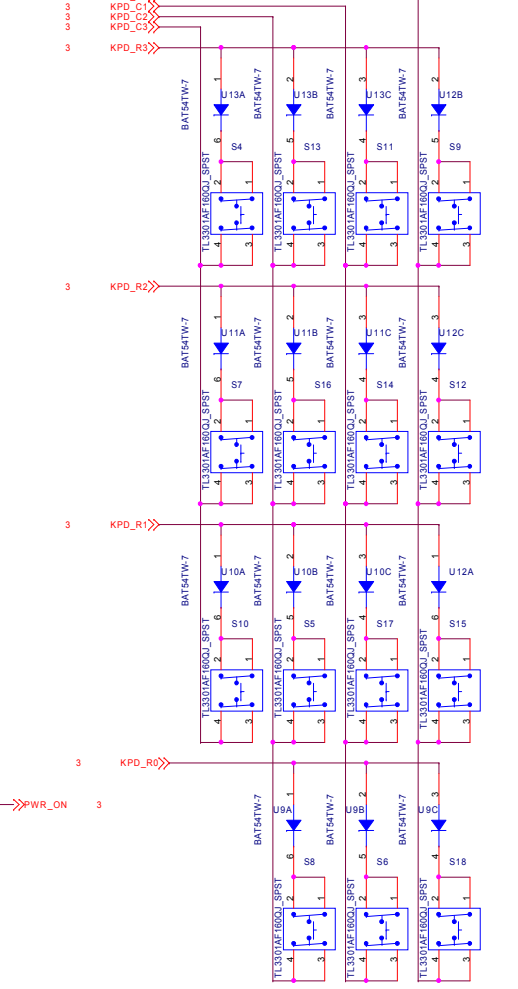
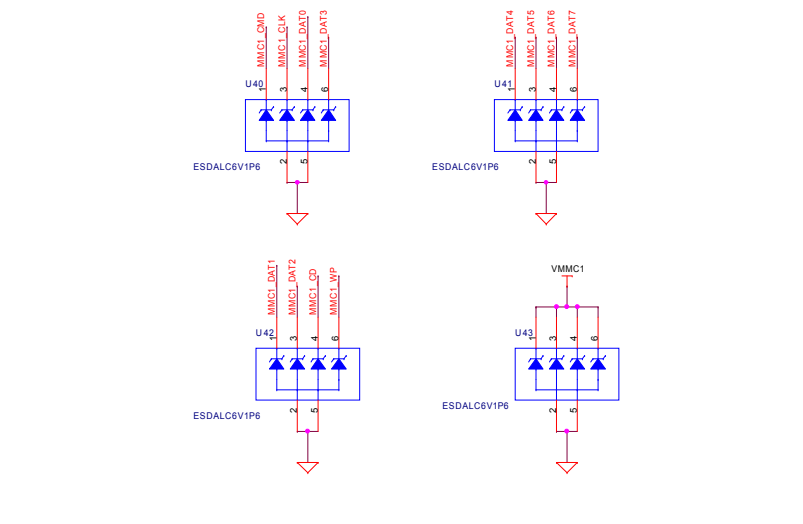
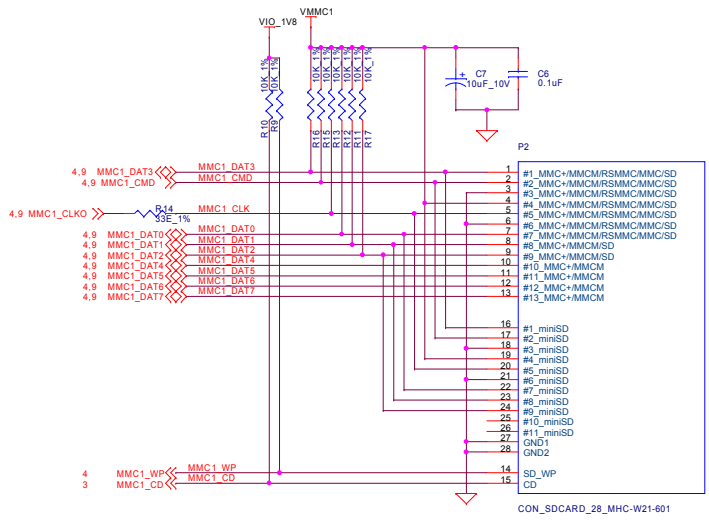
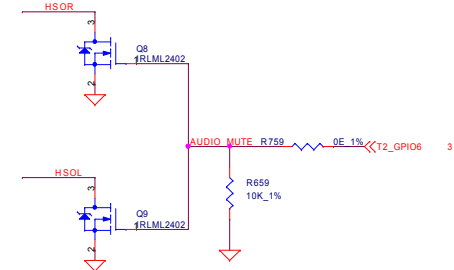
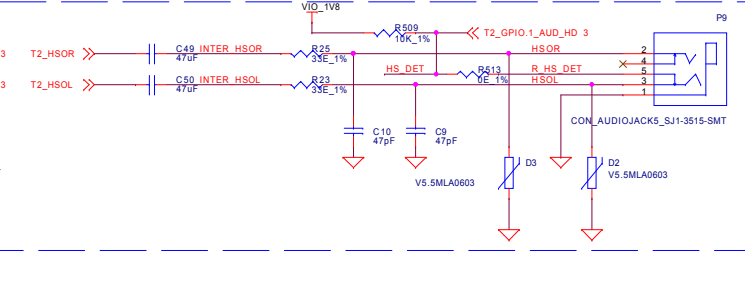
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Date: Tuesday, September 15, 2009		Sheet	7 of 20

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Stereo In 3.5mm Jack



Stereo Out 3.5mm Jack



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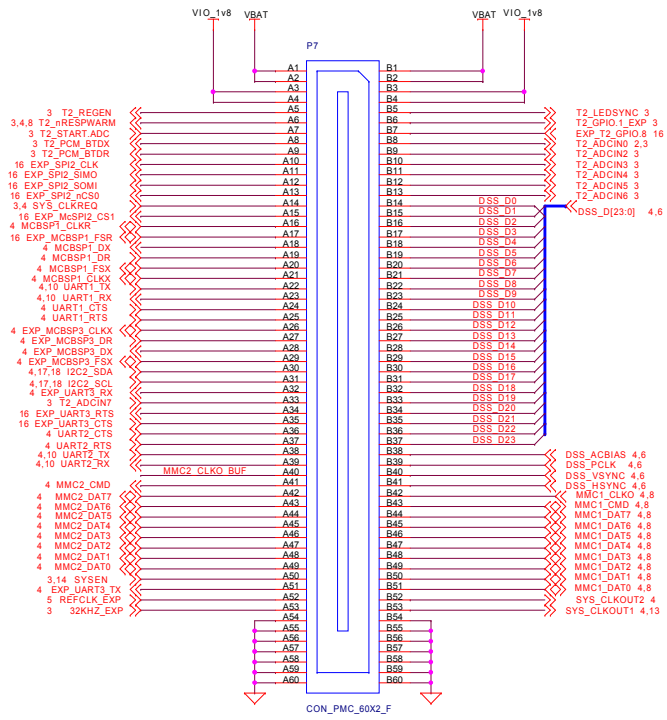
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OMAP35x EVM MAIN BOARD
 MMCSD, Audio, Keypad

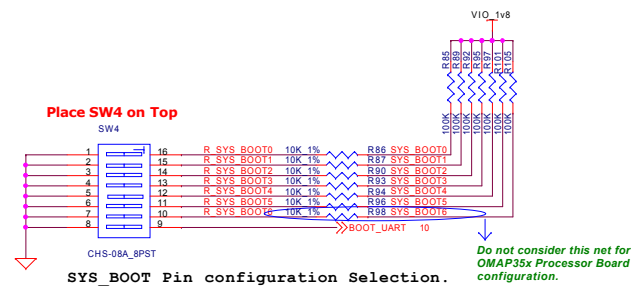
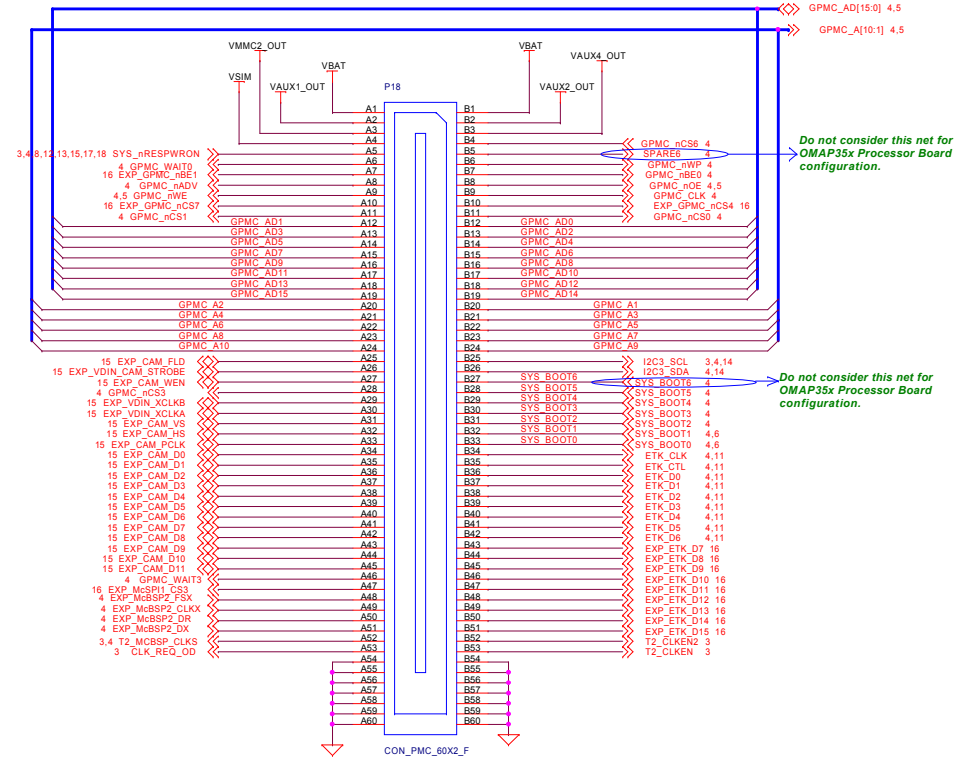
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Date: Tuesday, September 15, 2009 Sheet 8 of 20

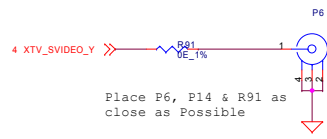
GP Expansion Connector 1



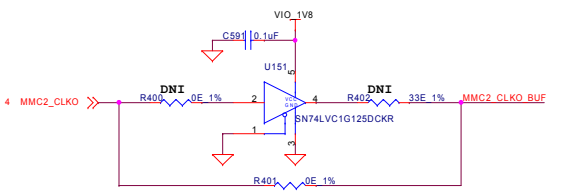
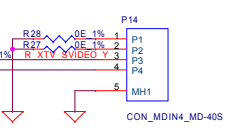
GP Expansion Connector 2



CVBS TV Out



S-Video Out

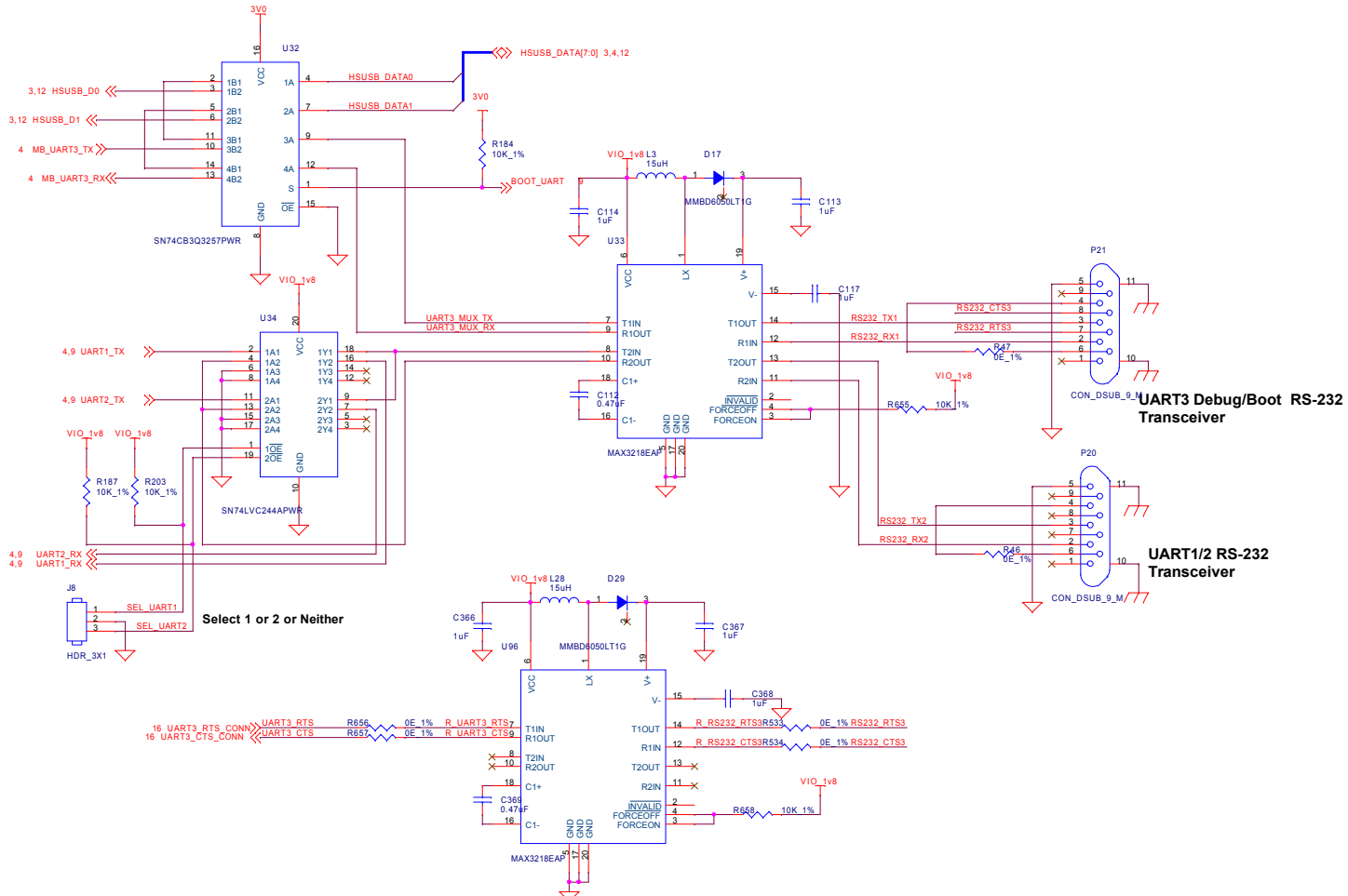


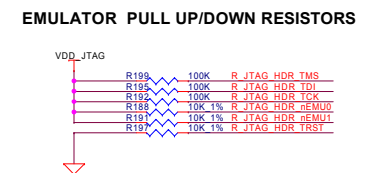
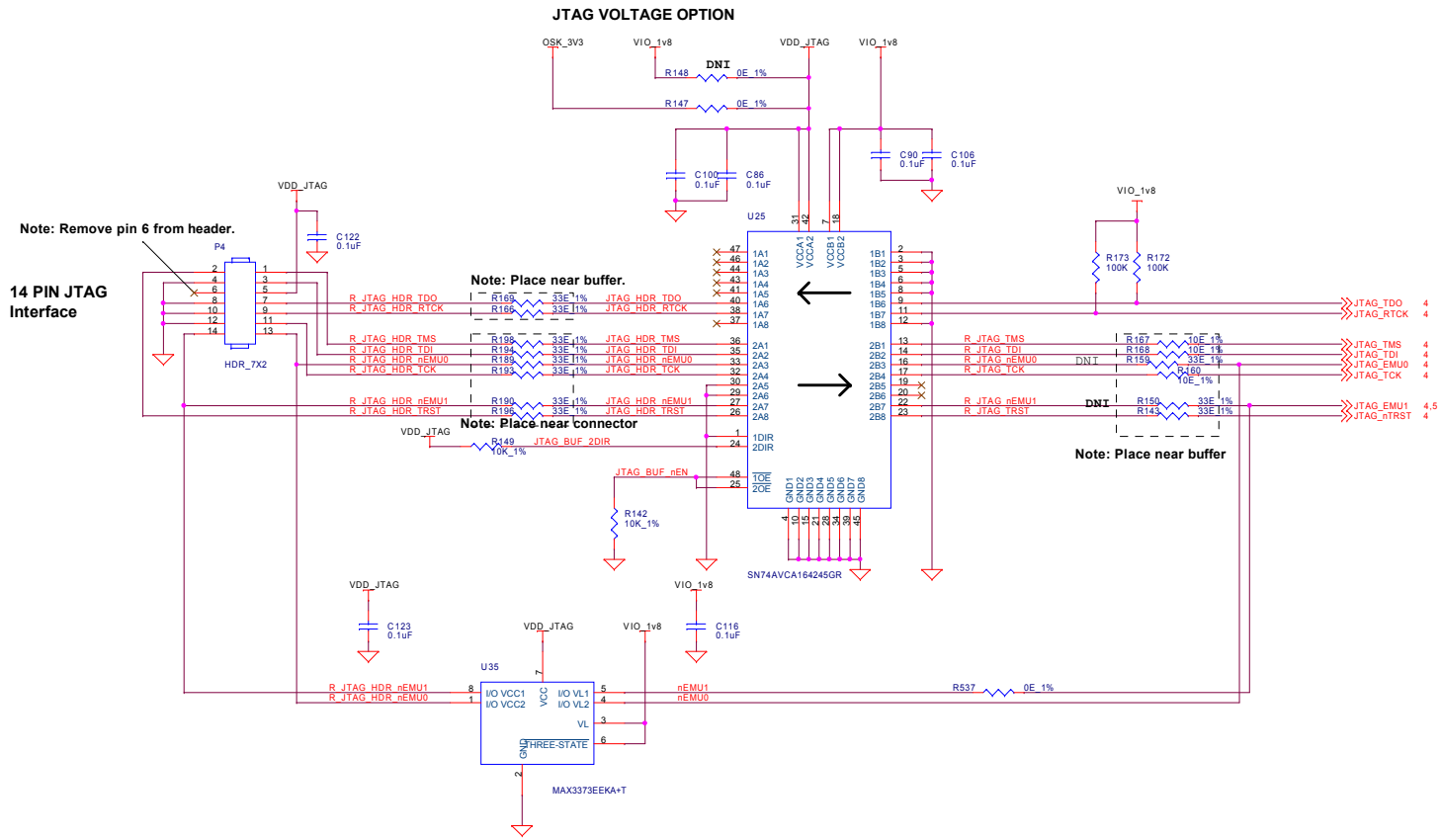
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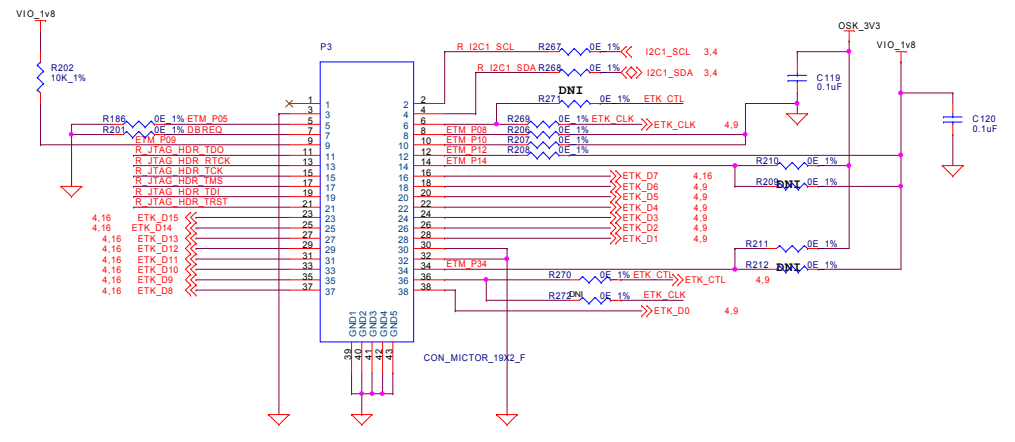
OMAP35x EVM MAIN BOARD
 Expansion Connectors

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Date:	Tuesday, September 15, 2009	Sheet	9 of 20

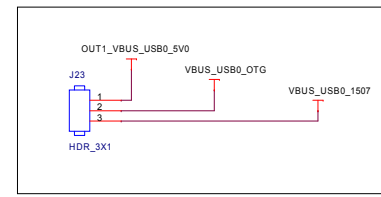
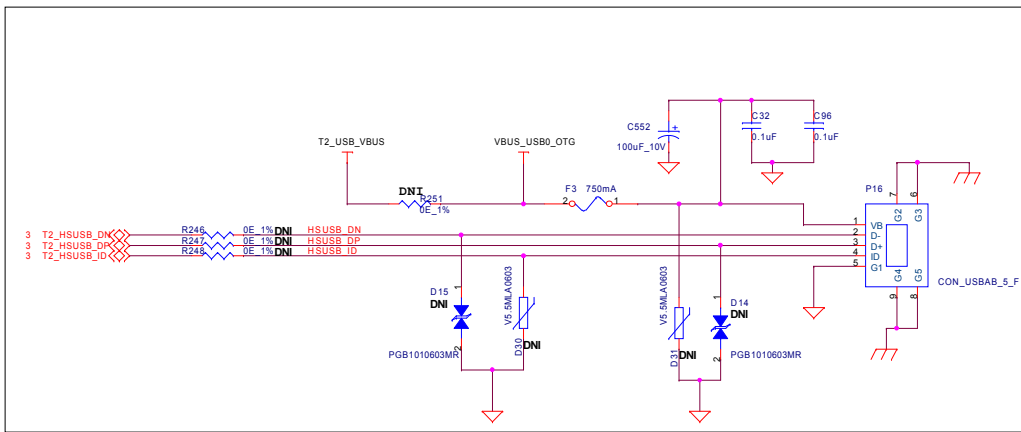
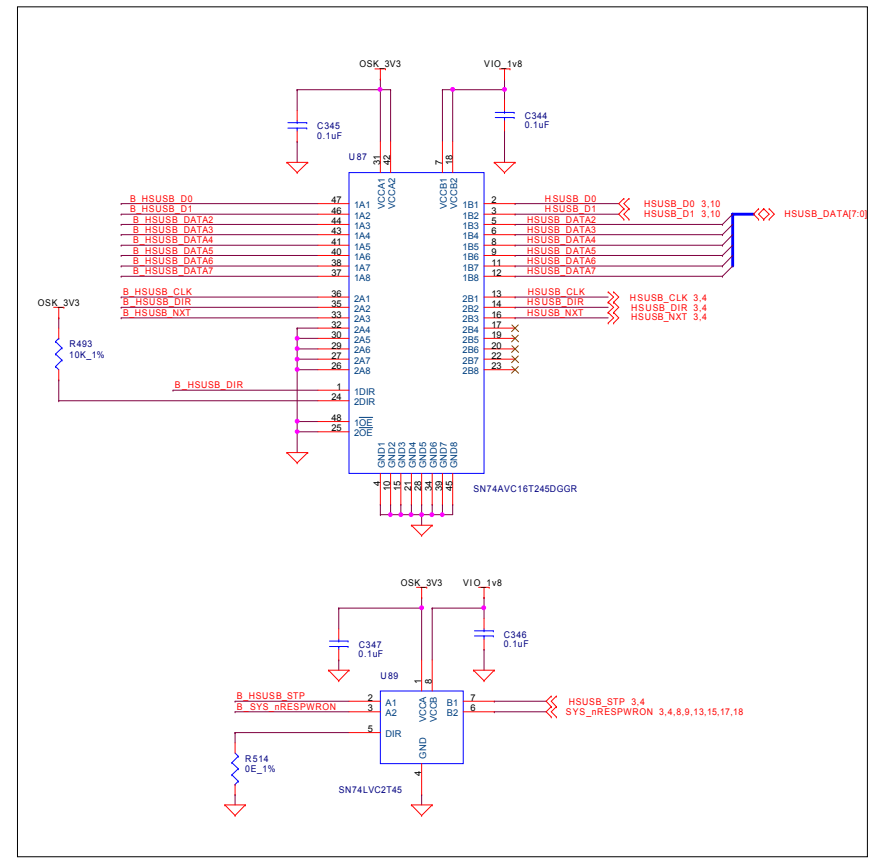
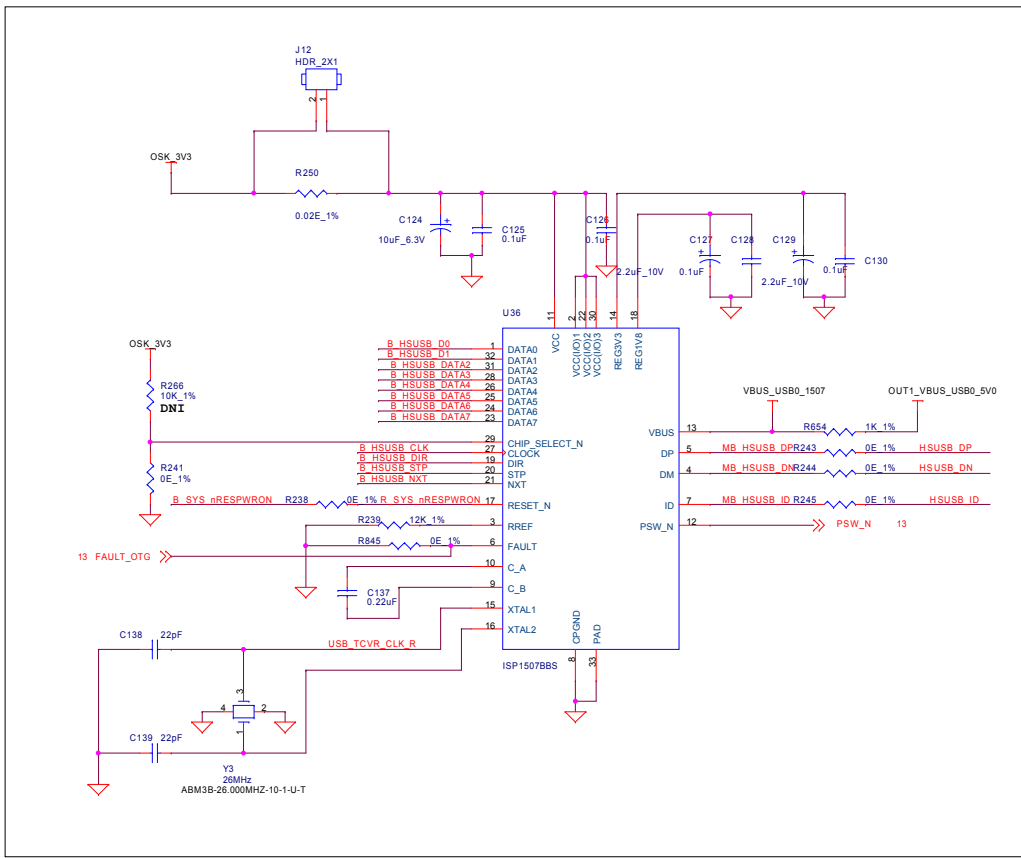


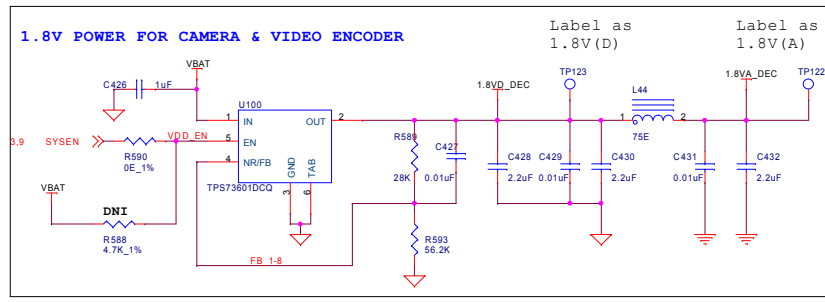
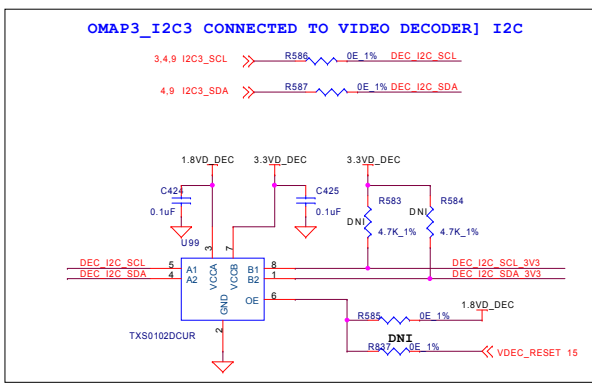
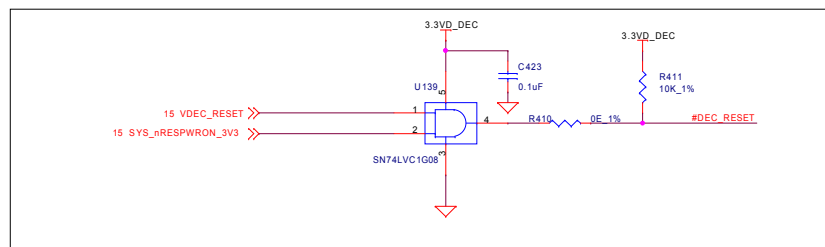
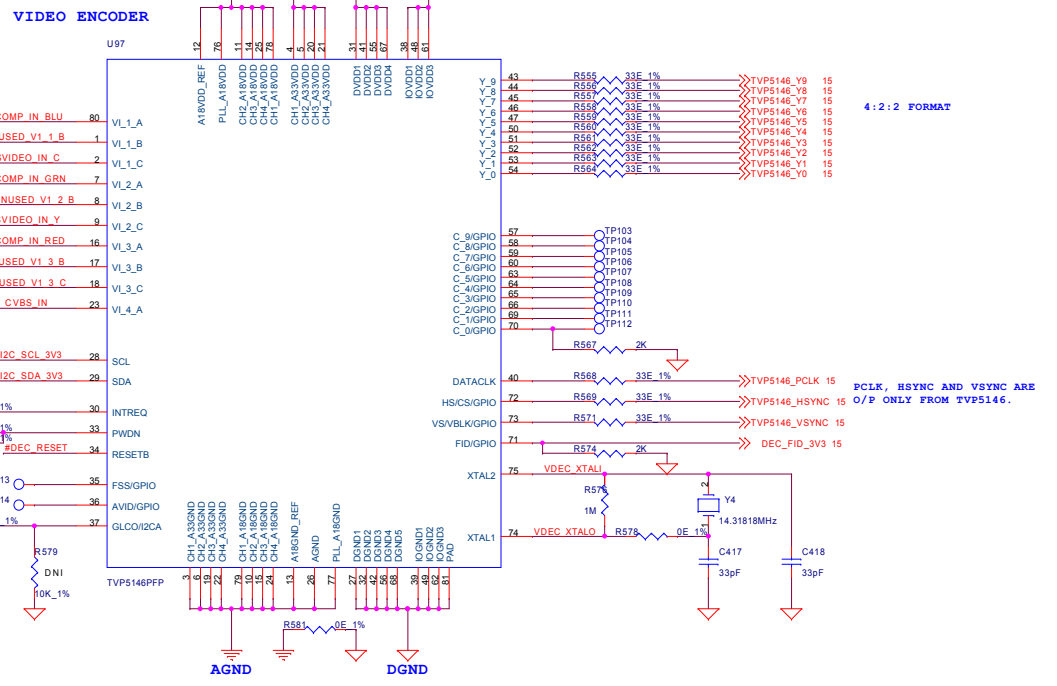
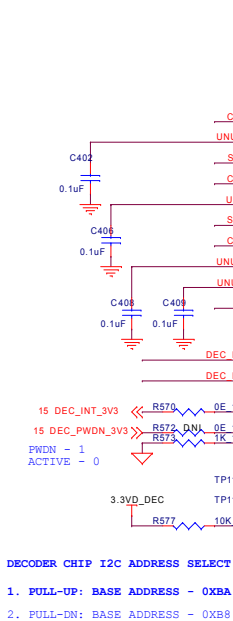
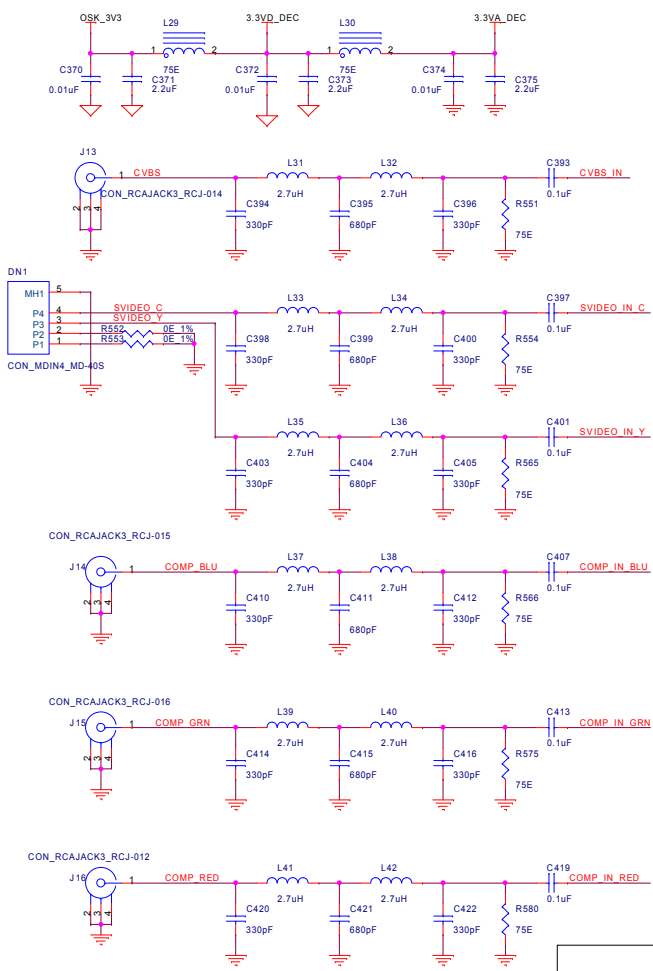


ETM Connector



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	OMAP35x EVM MAIN BOARD JTAG and ETM Debug Interfaces													
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Size	Document Number	Modified by:	Rev											
C	OMAP_EVM_MAIN_BOARD_SCH	Mistral	G											
Date:	Tuesday, September 15, 2009	Sheet	11 of 20											





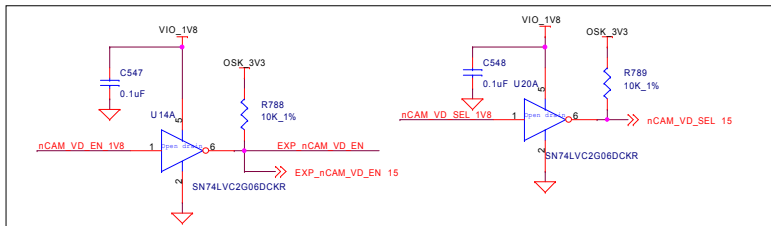
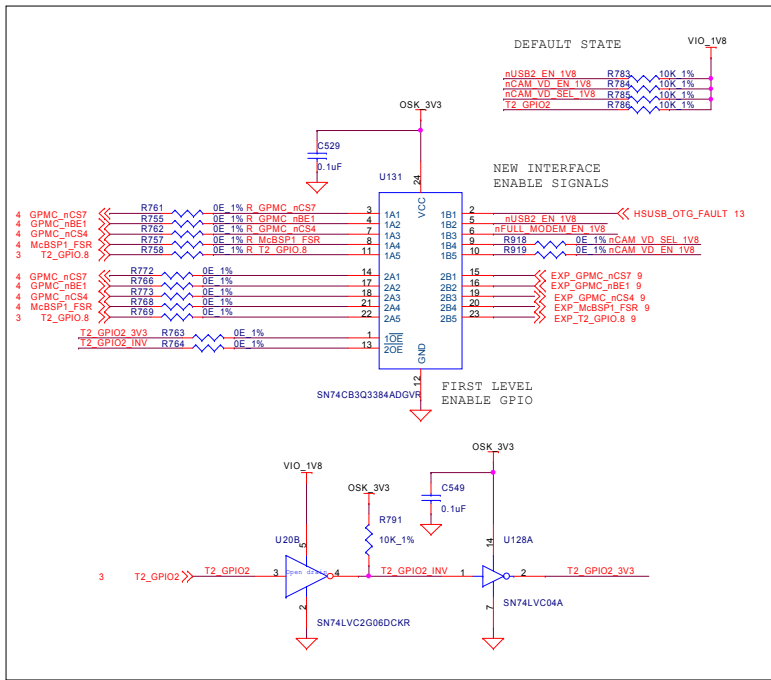
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Video_Decoder_TVP5146A

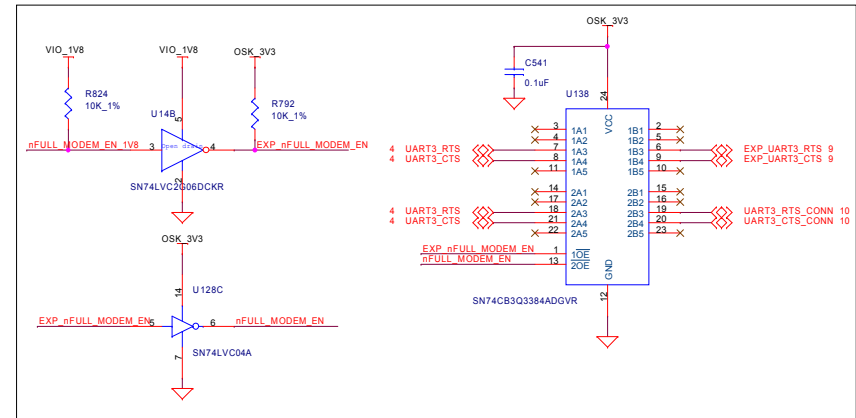
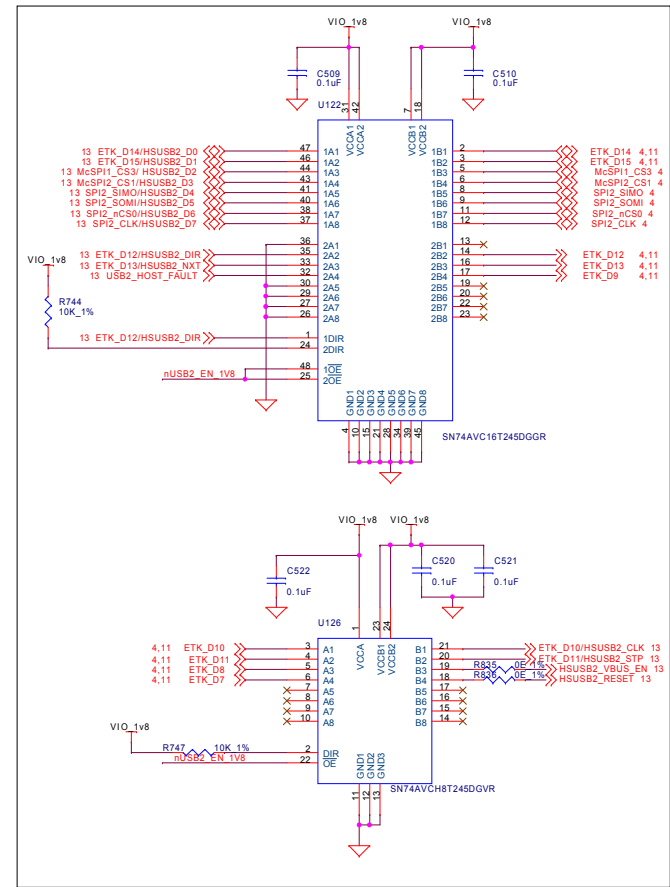
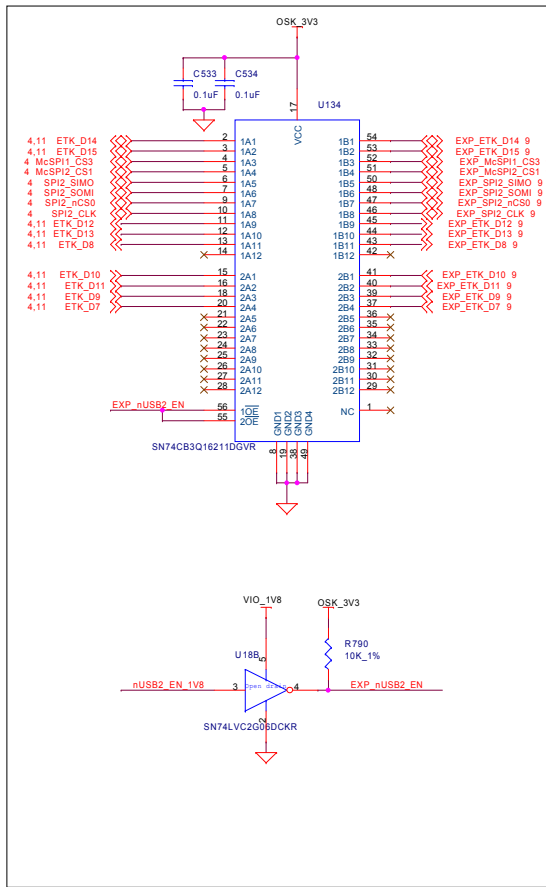
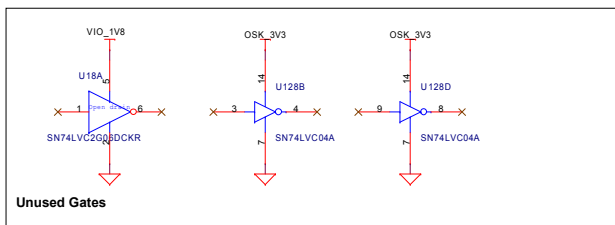
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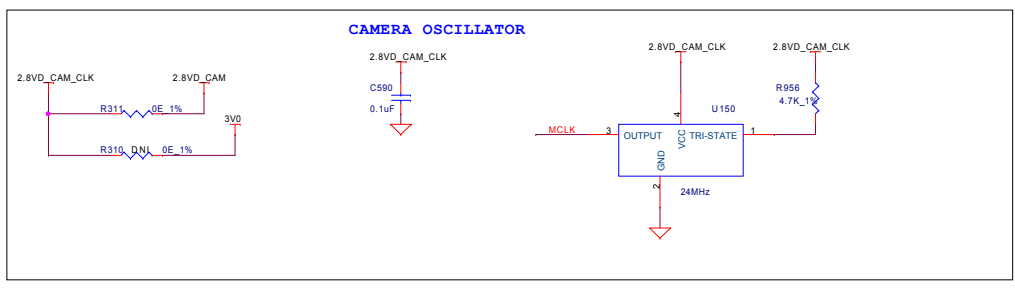
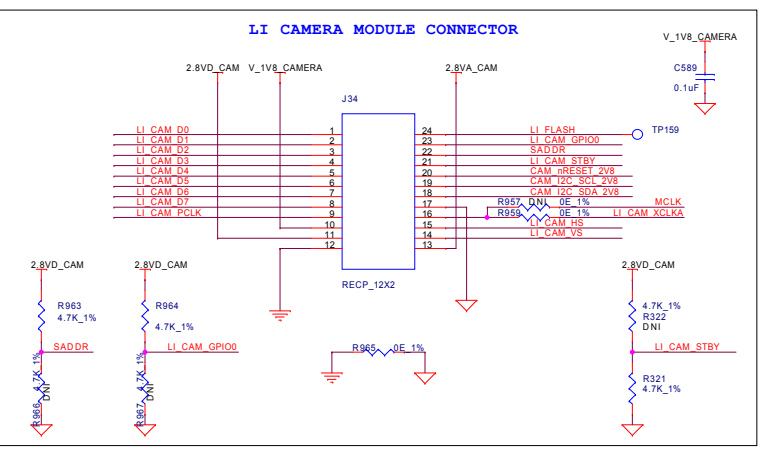
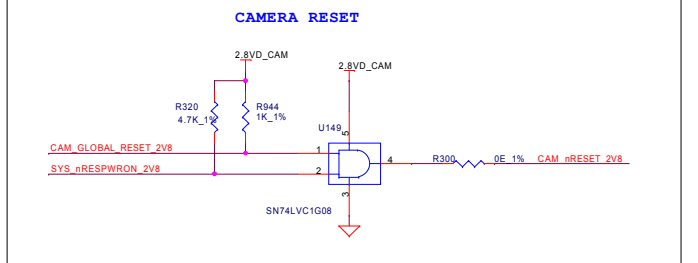
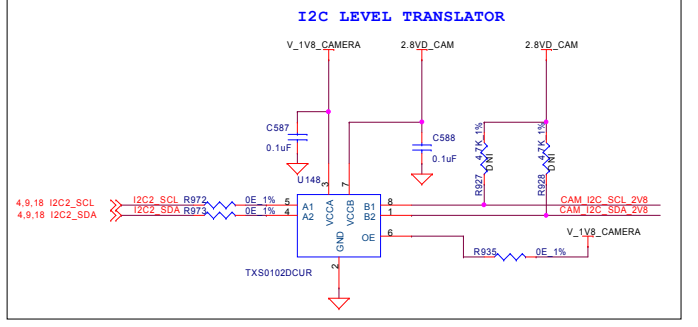
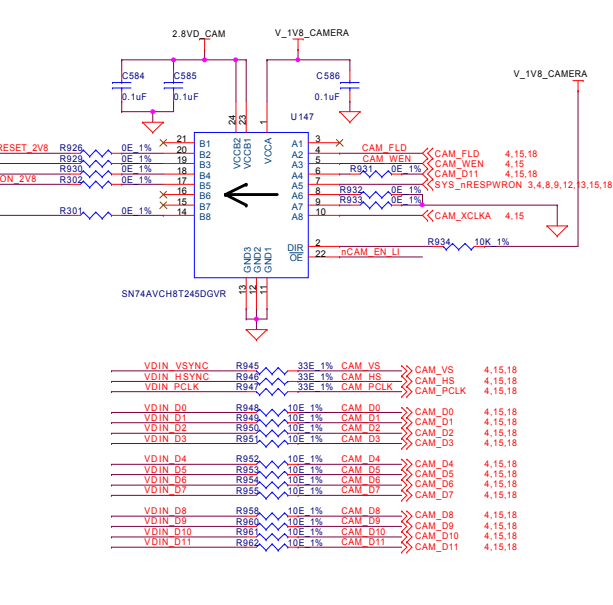
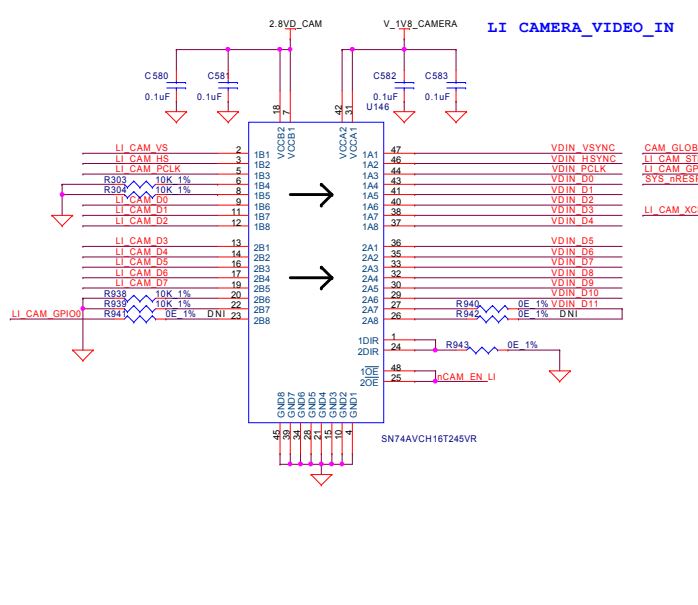
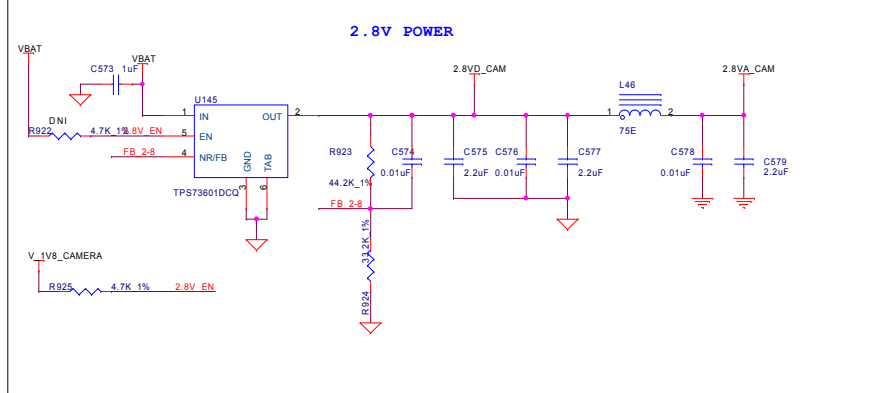
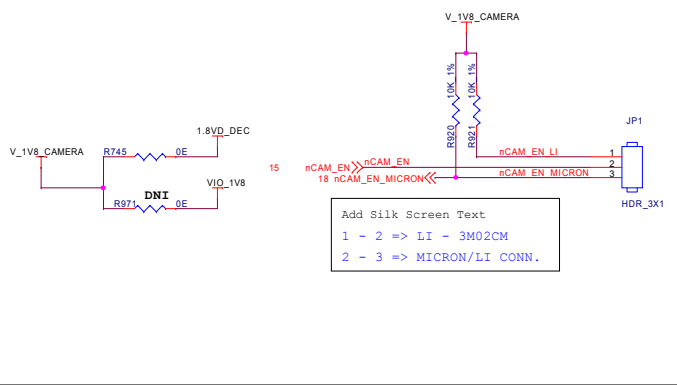
Date: Tuesday, September 15, 2009 Sheet 14 of 20



Video Input Selection Table

nCAM_VD_EN_1V8 (T2_GPIO.8)	nCAM_VD_SEL_1V8 (GPIO_157)	JP1 Shunt position	Selected Video Input option
HIGH (DEFAULT)	X	X	From Exp. Conn (Default)
LOW	HIGH	X	Video Encoder (TPV5146A)
LOW	LOW	1-2	On board LI-3MC02 Module
LOW	LOW	2-3	Micron Camera Connector





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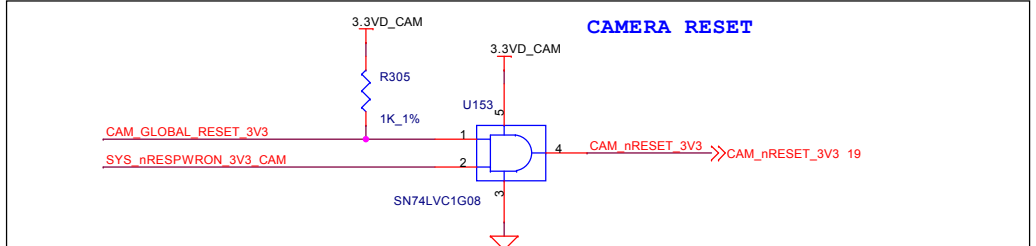
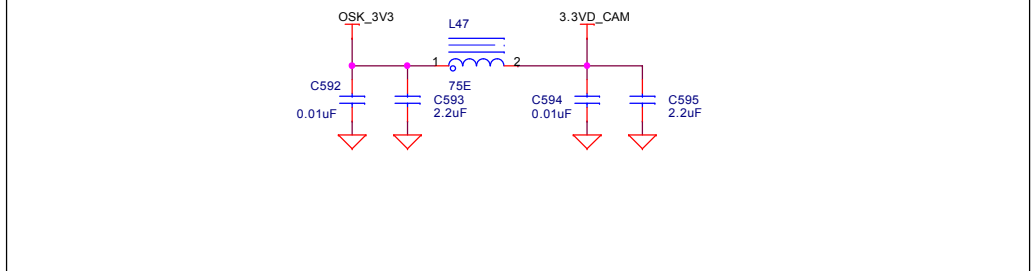
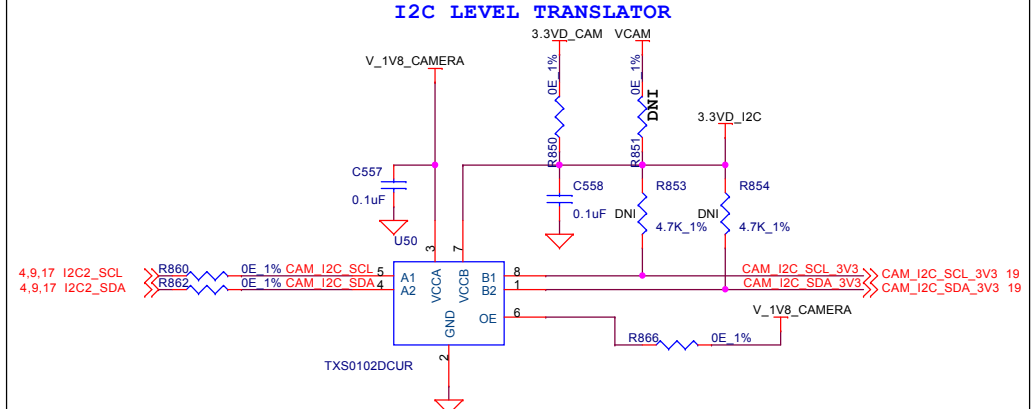
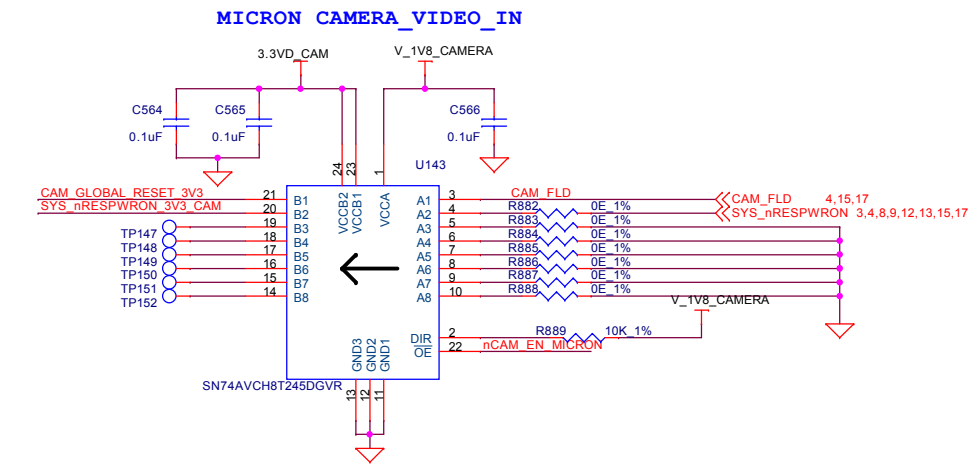
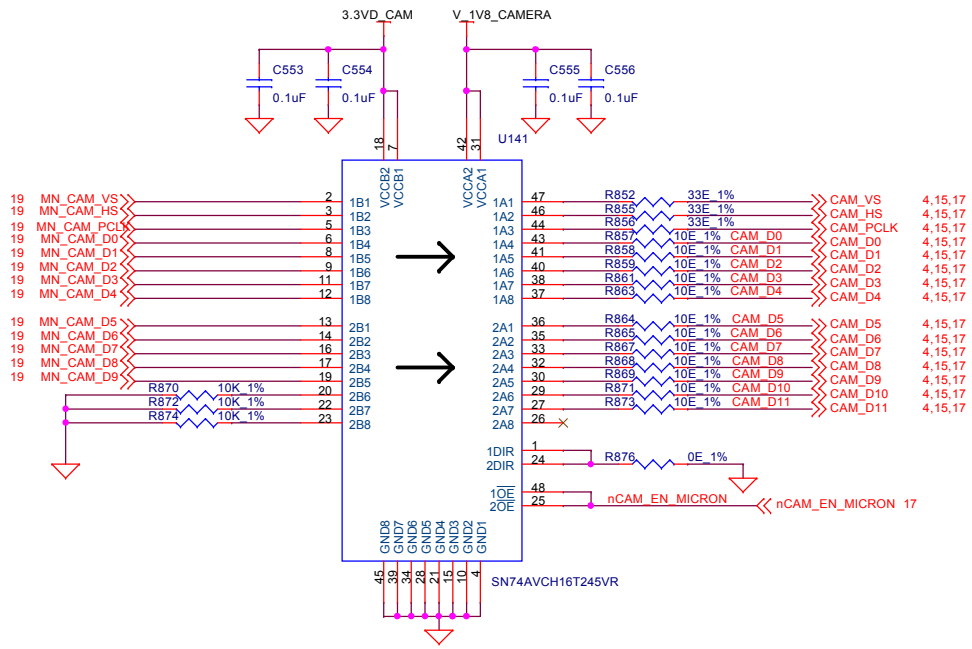
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OMAP35x EVM MAIN BOARD
 On board Camera interface

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Date: Tuesday, September 15, 2009 Sheet 17 of 20



TEXAS INSTRUMENTS

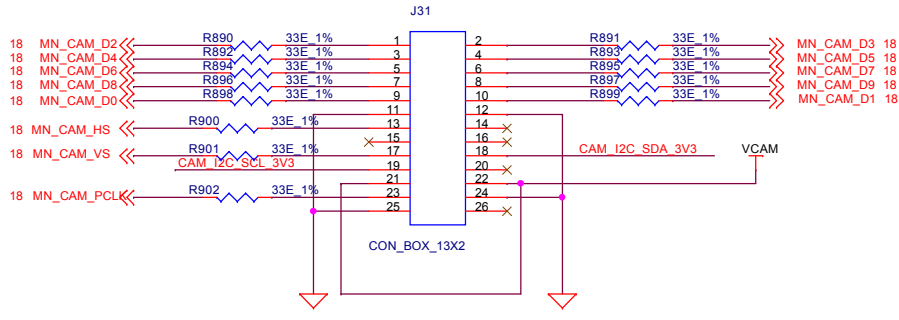
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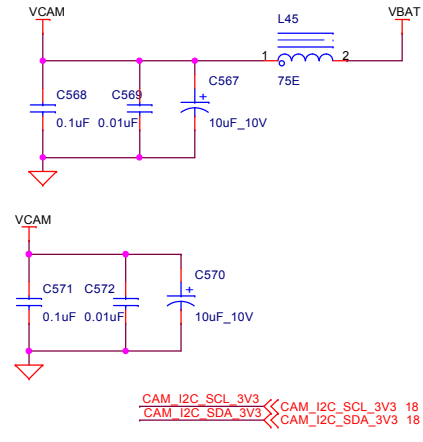
OMAP35x EVM MAIN BOARD
 Micron Conn. Transceivers

Size B	Document Number OMAP_EVM_MAIN_BOARD_SCH	Modified by: Mistral	Rev G
Date:	Tuesday, September 15, 2009	Sheet	18 of 20

MICRON CAMERA MODULE CONNECTOR - 1

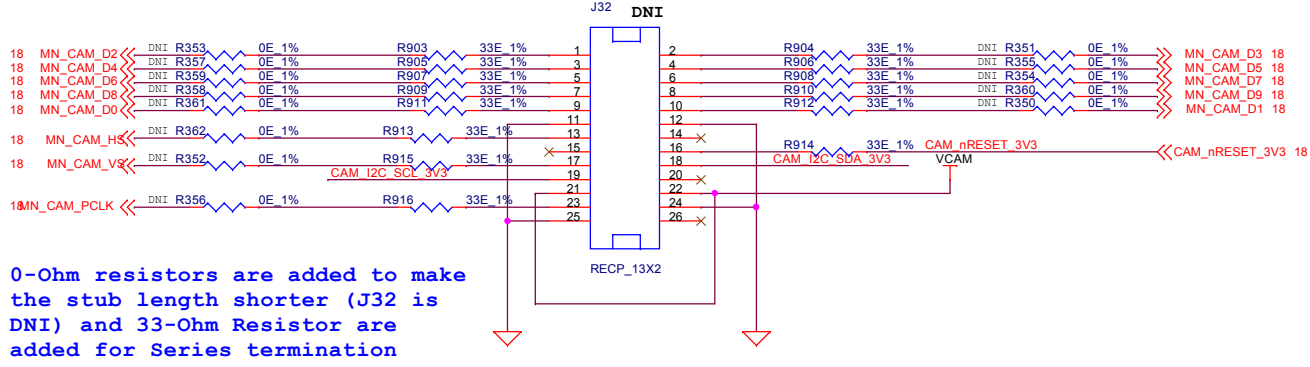


MICRON CAMERA MODULE - SUPPLY



~~CAM_I2C_SCL_3V3~~ CAM_I2C_SCL_3V3 18
~~CAM_I2C_SDA_3V3~~ CAM_I2C_SDA_3V3 18

MICRON CAMERA MODULE CONNECTOR - 2 (LI CONNECTOR)



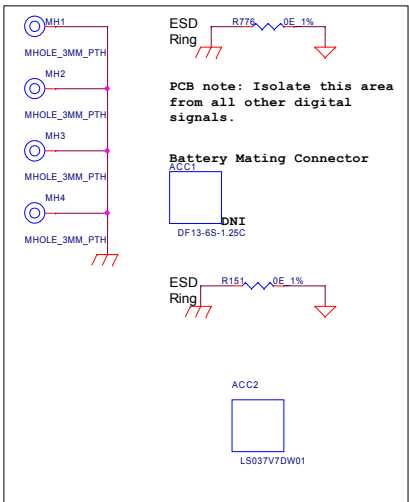
0-Ohm resistors are added to make the stub length shorter (J32 is DNI) and 33-Ohm Resistor are added for Series termination



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OMAP35x EVM MAIN BOARD Micron & LI Camera Connectors			
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Date:	Tuesday, September 15, 2009	Sheet	19 of 20



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		OMAP35x EVM MAIN BOARD Miscellaneous	
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Date: Tuesday, September 15, 2009		Sheet	20 of 20

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