

Rev	Date	Notes
A	8/29/2011	Created from 750-2170-001 rev. D schematic (input power and antenna matching component changes). Added resistor on VBAT to allow overall current measurement.
B	10/6/2011	Changed antenna matching components per final RF testing.

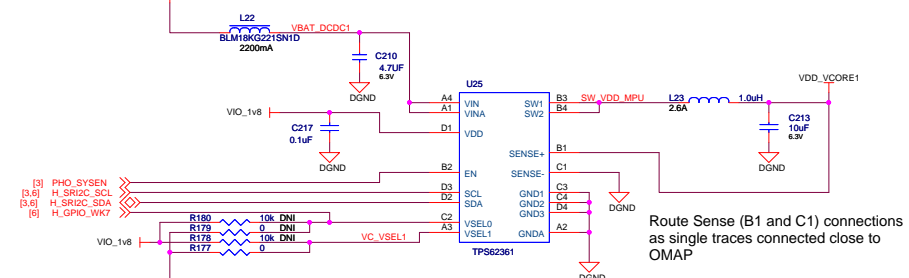
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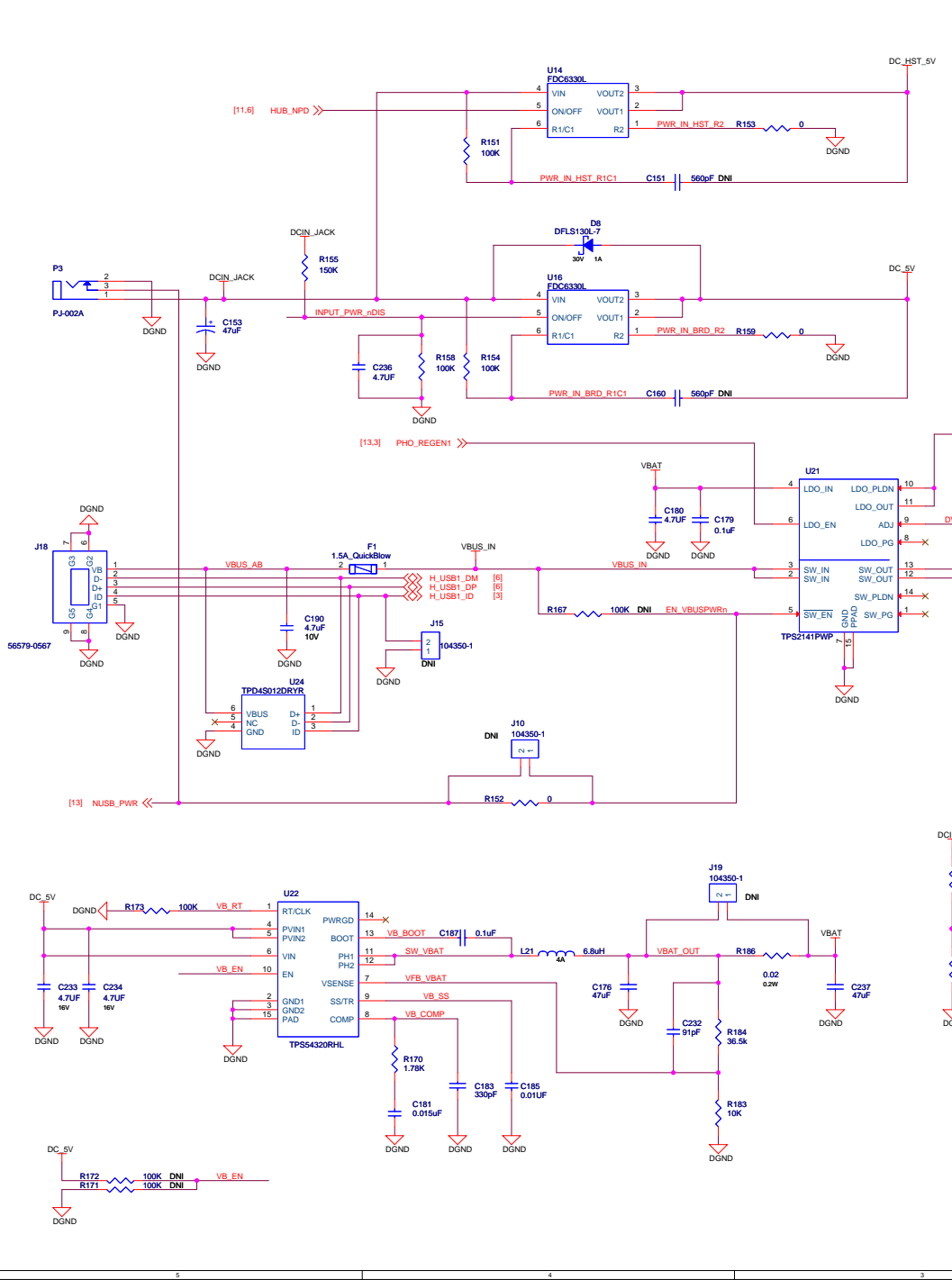
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 <b>pandaboard.org</b>	
OMAP4460 Panda Board, 8-Layer	
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### OMAP VDD\_MPU Core Supply (Supplement to PMIC)



Route Sense (B1 and C1) connections as single traces connected close to OMAP



Note: ON = Input Power out of range.



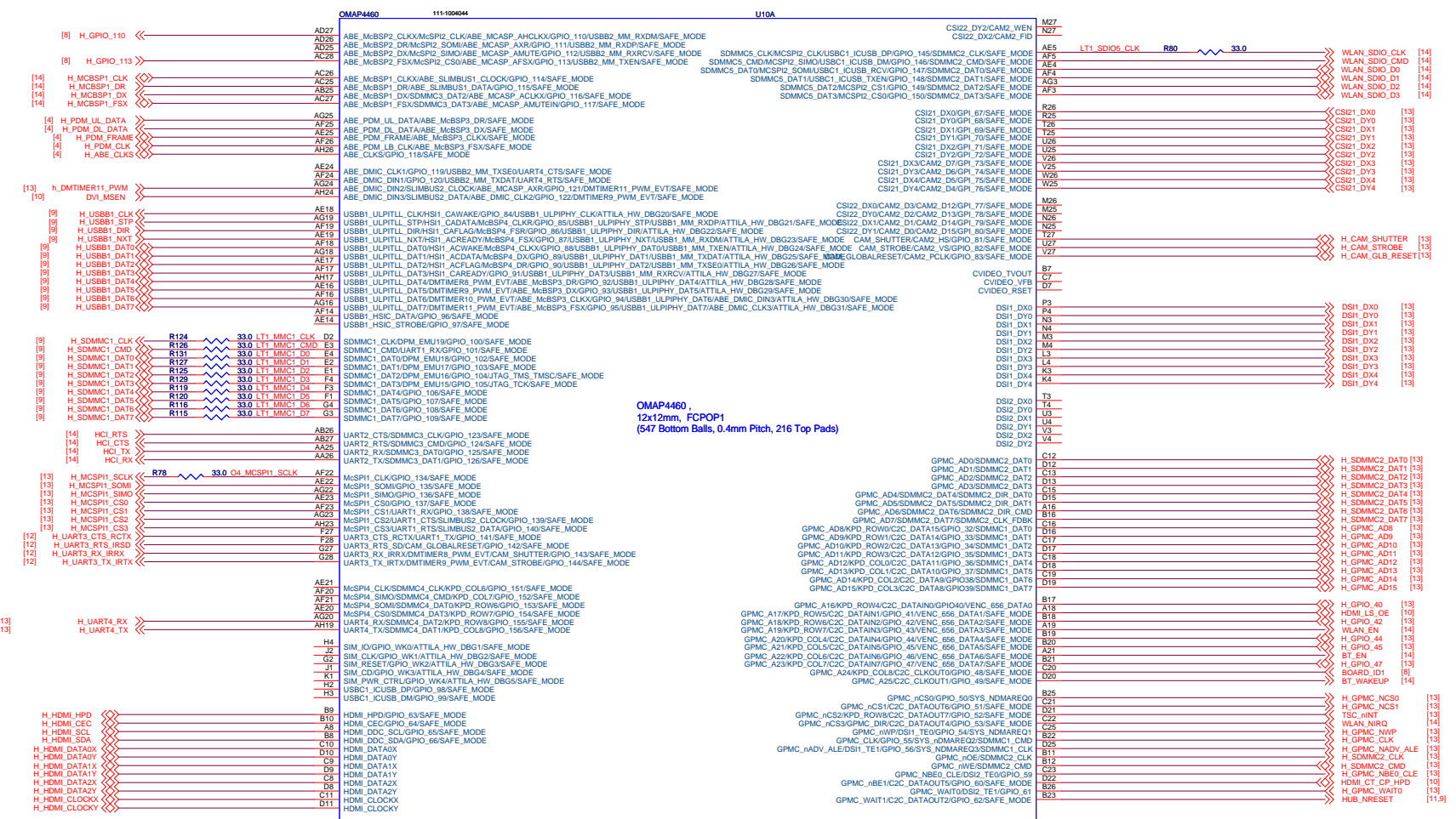
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OMAP4460 Panda Board, 8-Layer  
 Input Power & Supplies

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OMAP4460  
12x12mm, FCPOP1  
(547 Bottom Balls, 0.4mm Pitch, 216 Top Pads)

U100 111-1003122  
EDB806481PB-8-F  
8Gb POP MEMORY (MOUNT ON TOP OF OMAP4460)

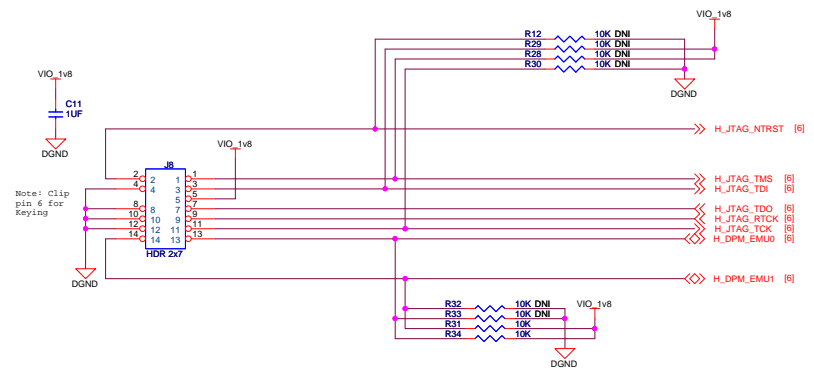
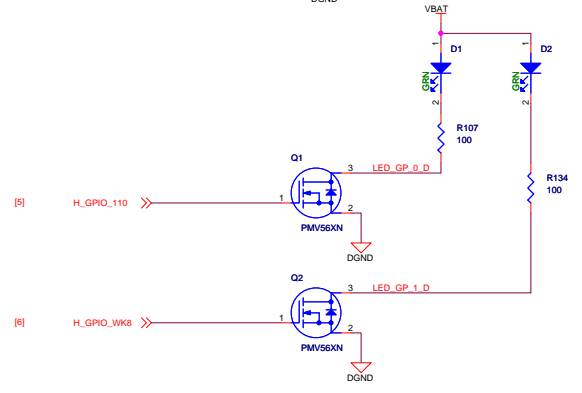
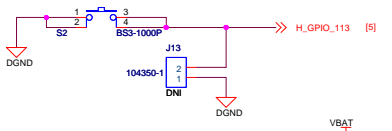
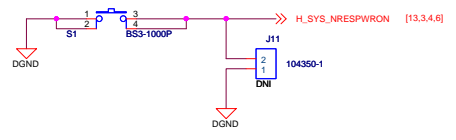
OMAP4460 Symbol "A"

OMAP4460 Panda Board, 8-Layer  
OMAP4460 Symbol #1

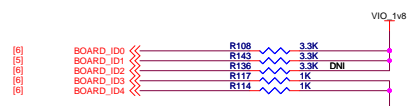
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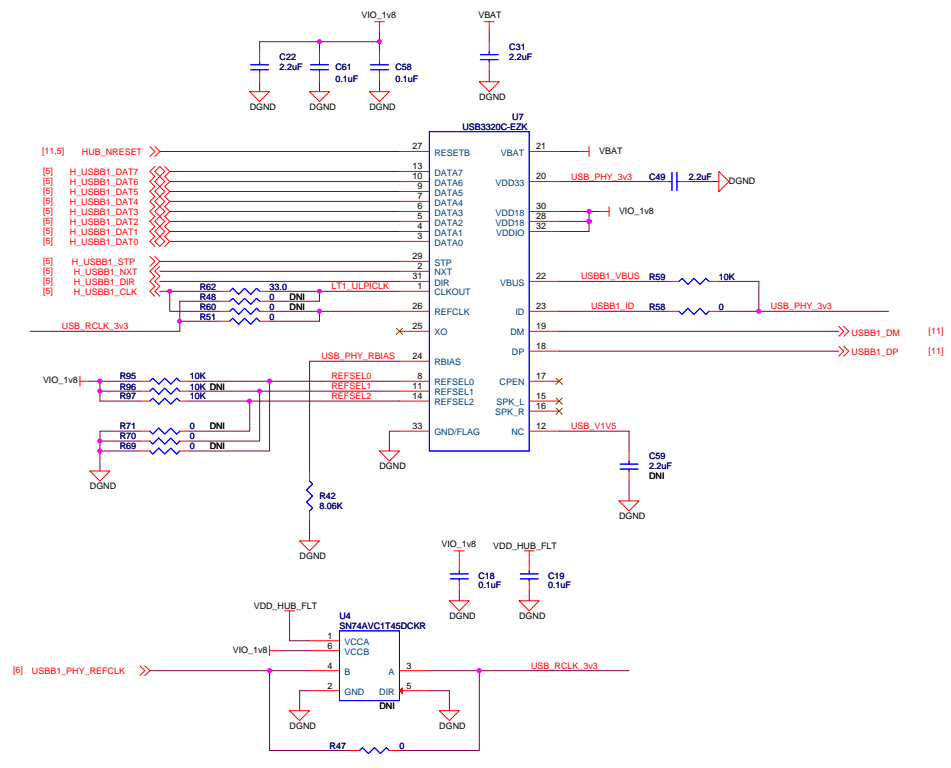
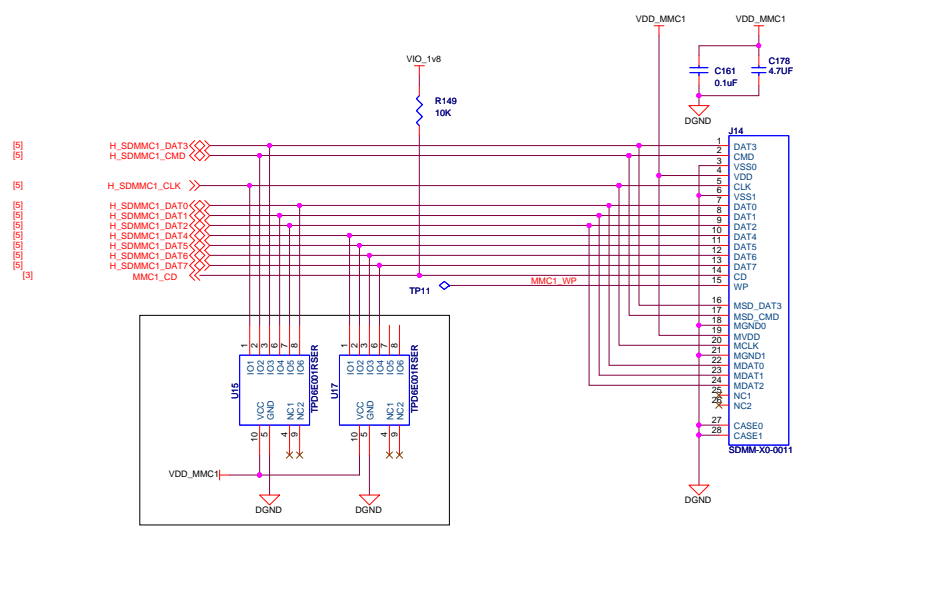
These OMAP GPIOs are intended for use as board ID indicators



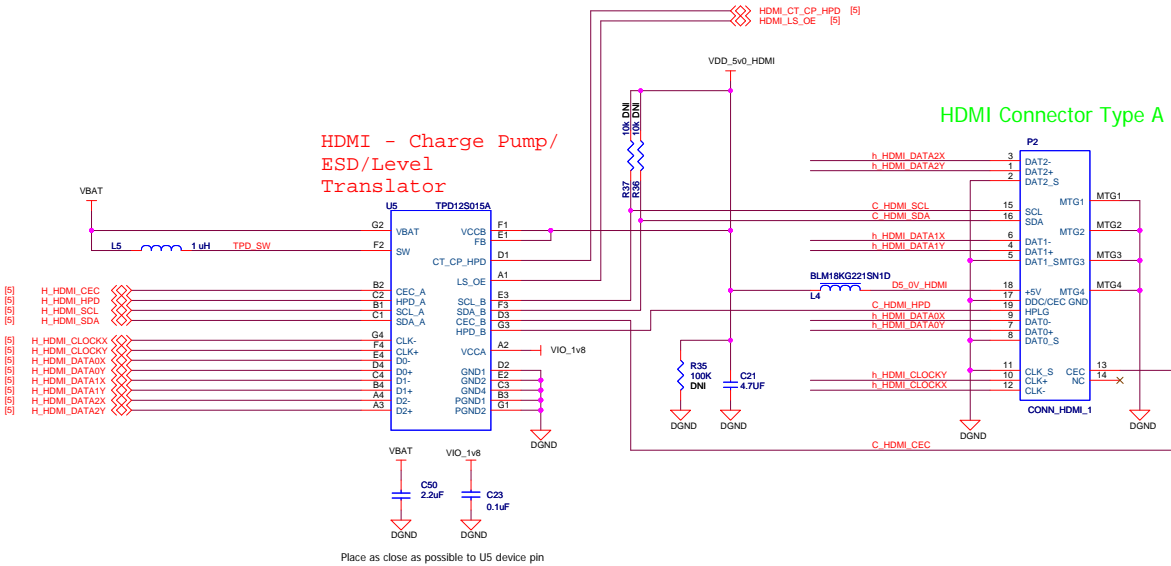
## OMAP Debug IF - JTAG Connectors



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JTAG, Debug Connectors			
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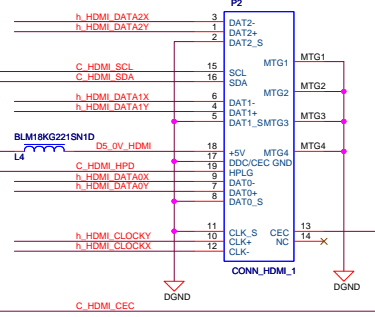


### HDMI - Charge Pump/ ESD/Level Translator

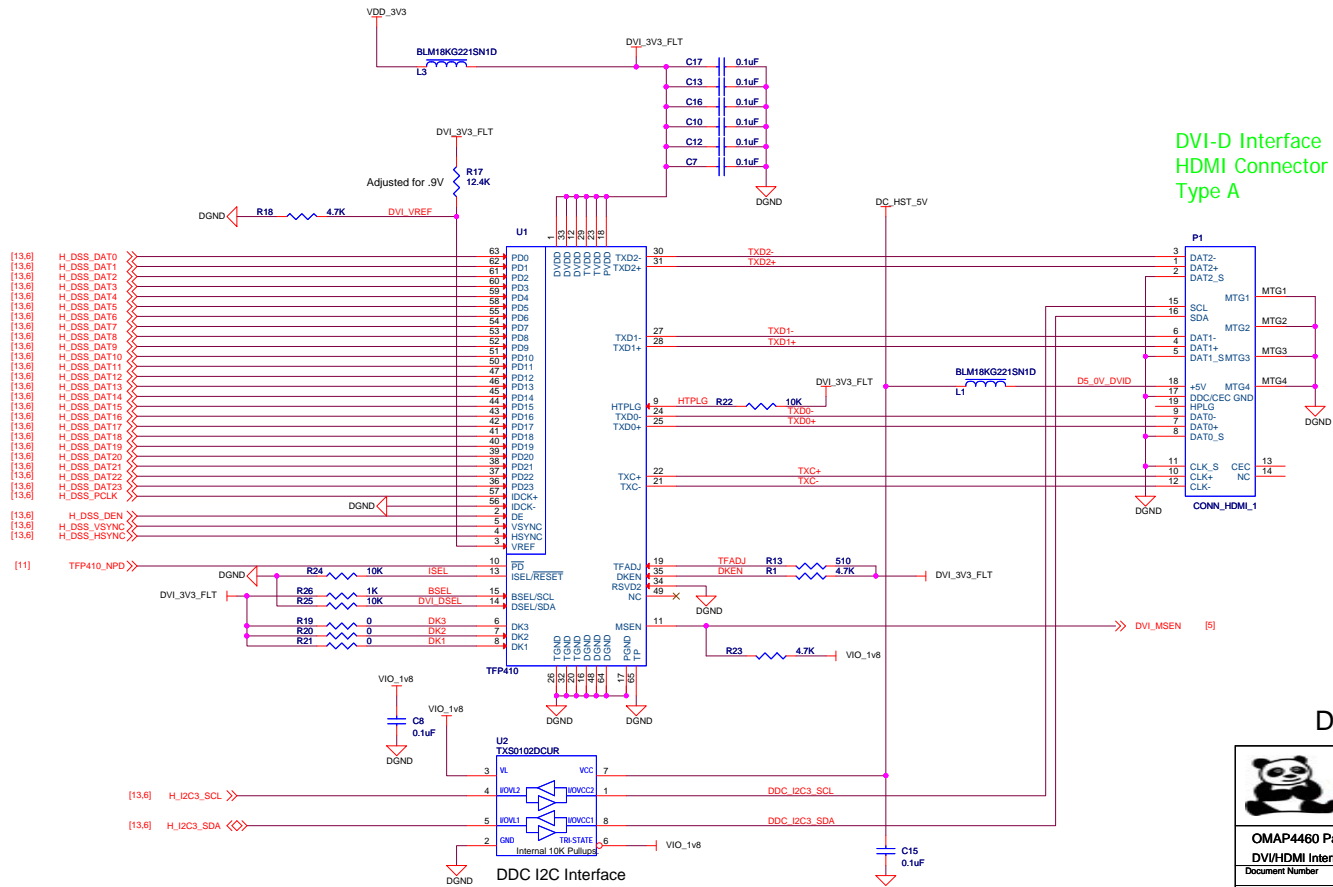


Place as close as possible to U5 device pin

### HDMI Connector Type A



### DVI-D Interface HDMI Connector Type A

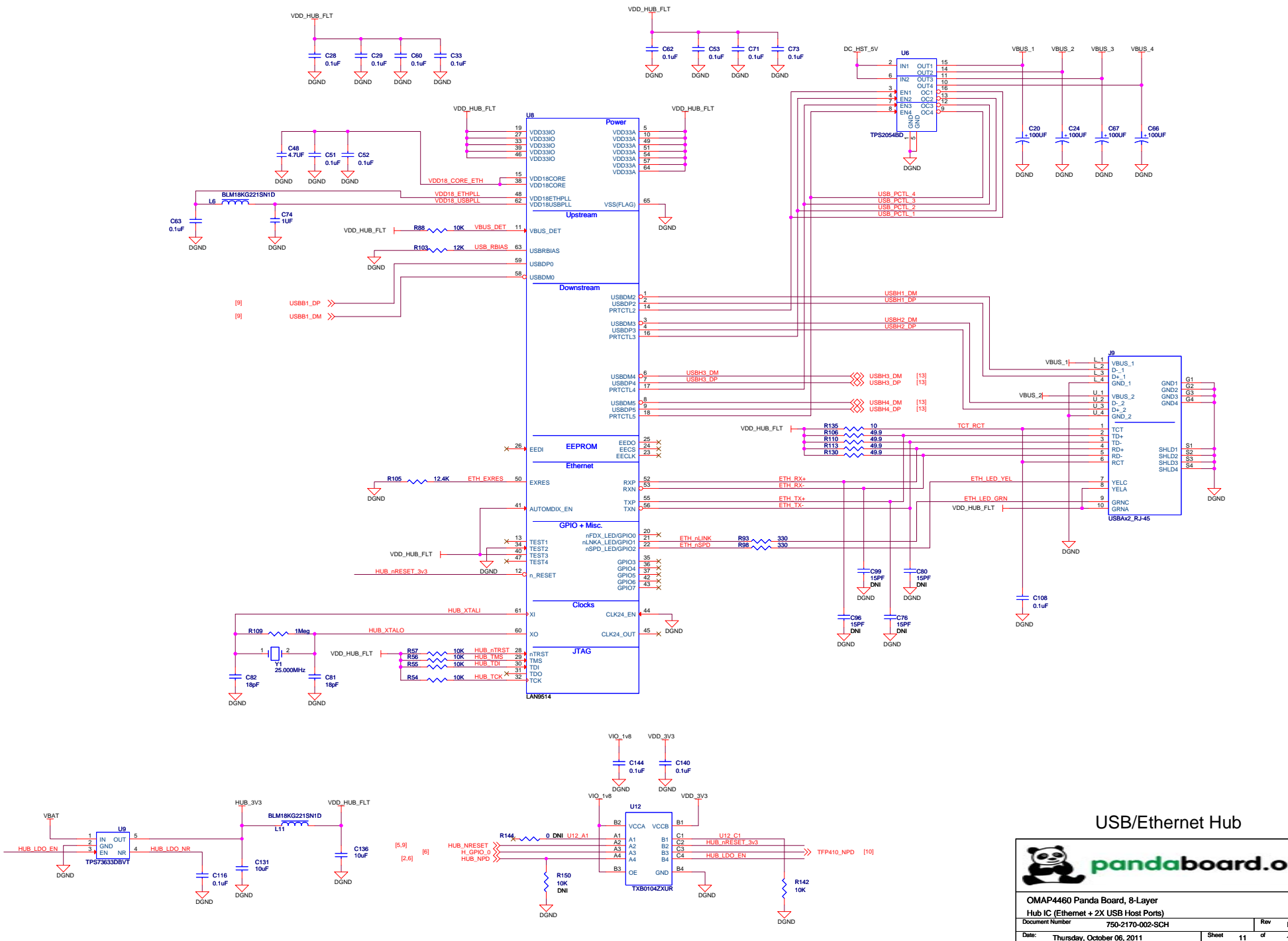


### DVI & HDMI Interfaces



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DVI/HDMI Interfaces			
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# USB + Ethernet Hub



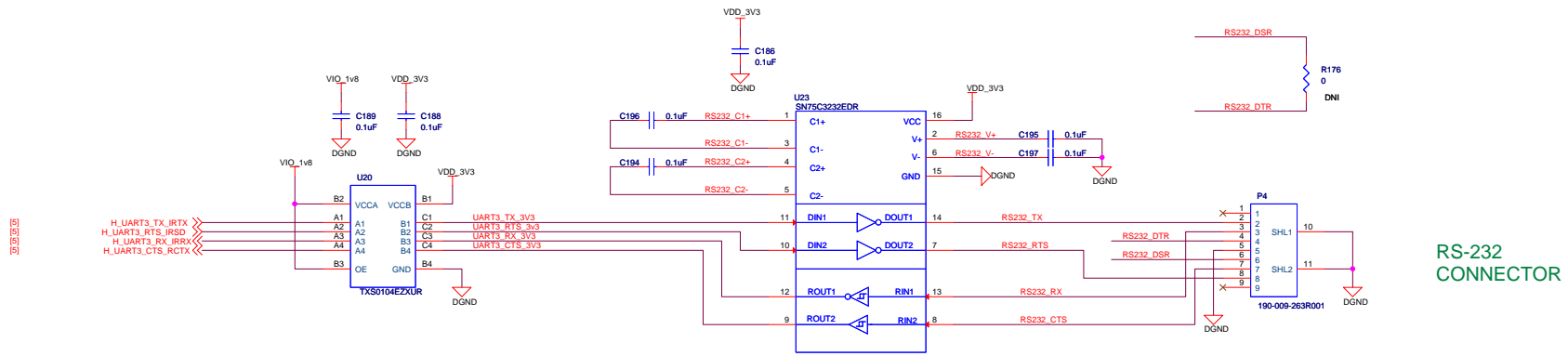
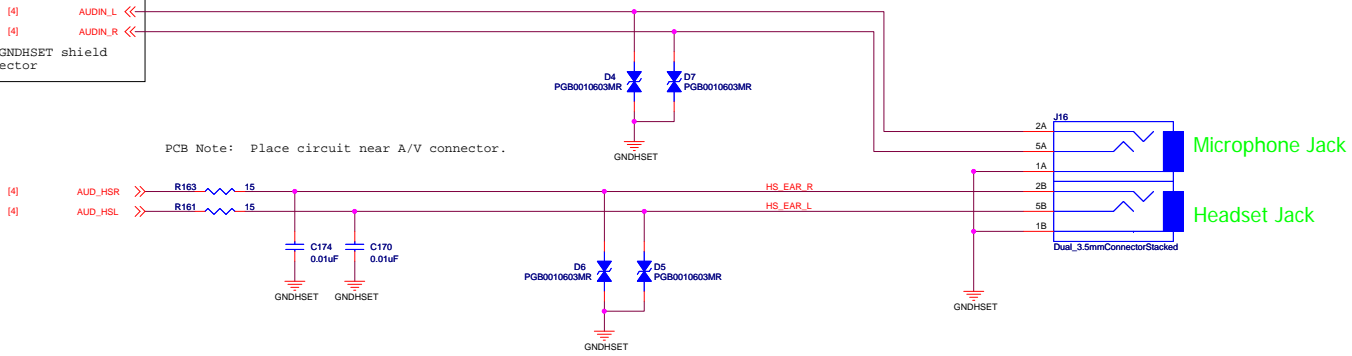
## USB/Ethernet Hub




OMAP4460 Panda Board, 8-Layer  
 Hub IC (Ethernet + 2X USB Host Ports)

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PCB Note:  
Traces surrounded by GNDHSET shield  
& routed diff to connector



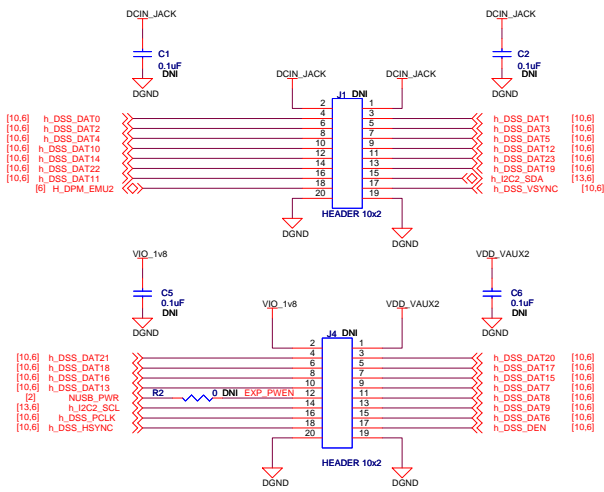
### 3.5mm Audio Conn + RS-232 I/F

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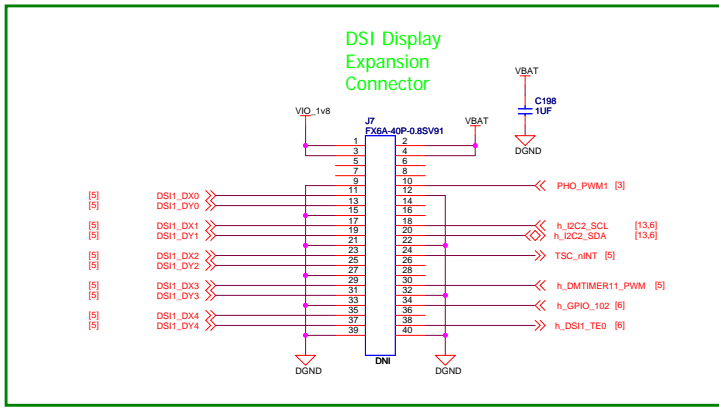
OMAP4460 Panda Board, 8-Layer  
Audio Jack & RS-232 Connector

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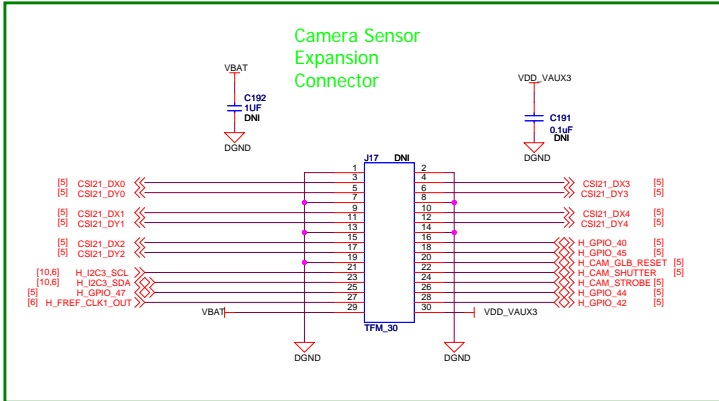
### LCD Expansion Connectors (Beagle Legacy)



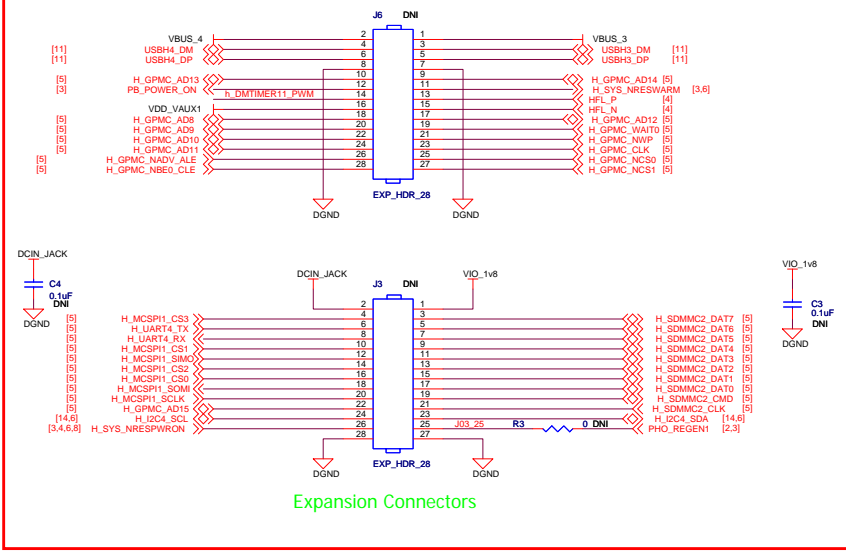
### DSI Display Expansion Connector



### Camera Sensor Expansion Connector



### Expansion Connectors



ECN-13455 - Changed C235 from 0.5pF capacitor to zero ohm resistor, and L2 from 5.1nH to 5.6nH inductor per results of RF performance testing.

