

VAR-SOLOCustomBoard



CONTENT

PAGE NO.	SCHEMATIC PAGE
1	Cover
2	Block Diagram
3	VAR-SOM-SOLO
4	Display ,Touch, HDMI
5	USB, Audio, Camera
6	Peripherals, Exp. Connectors
7	Power & Mechanics

Disclaimer:

SchematicS are for reference only.
Variscite LTD provides no warranty for the use of these schematics.
Schematics are subject to change without notice.

Revision History

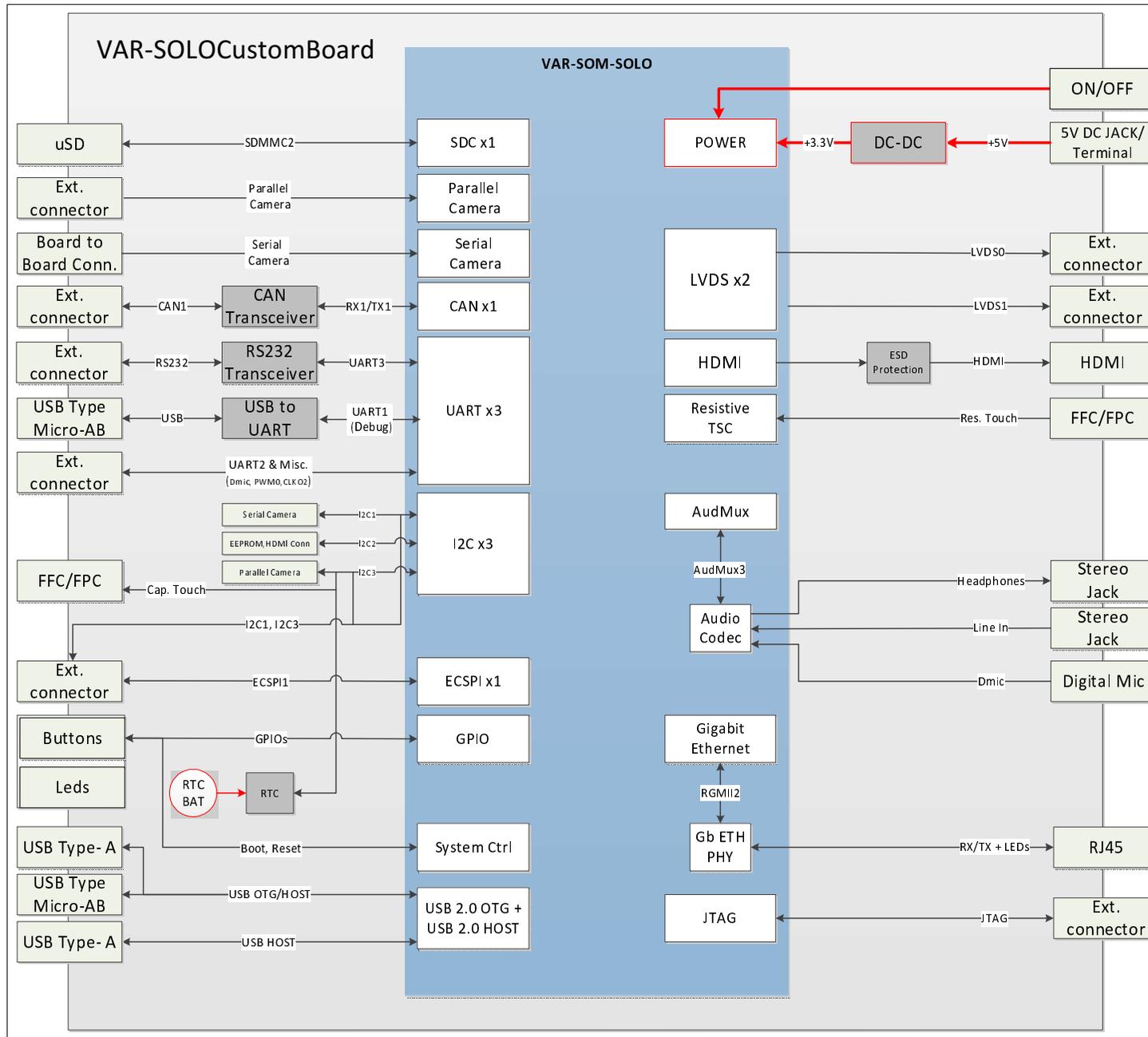
Rev 1.0	Initial
Rev 1.1	Production

Title: 01. Cover

Size	Document Number	Project	Rev
A3	VAR-SOLOCustomBoard	VAR-SOLOCustomBoard	1.1

Designer: <Designer> Approved By: <Approved By>
Date: Sunday, February 08, 2015 Sheet 1 of 7

02 - Block Diagram

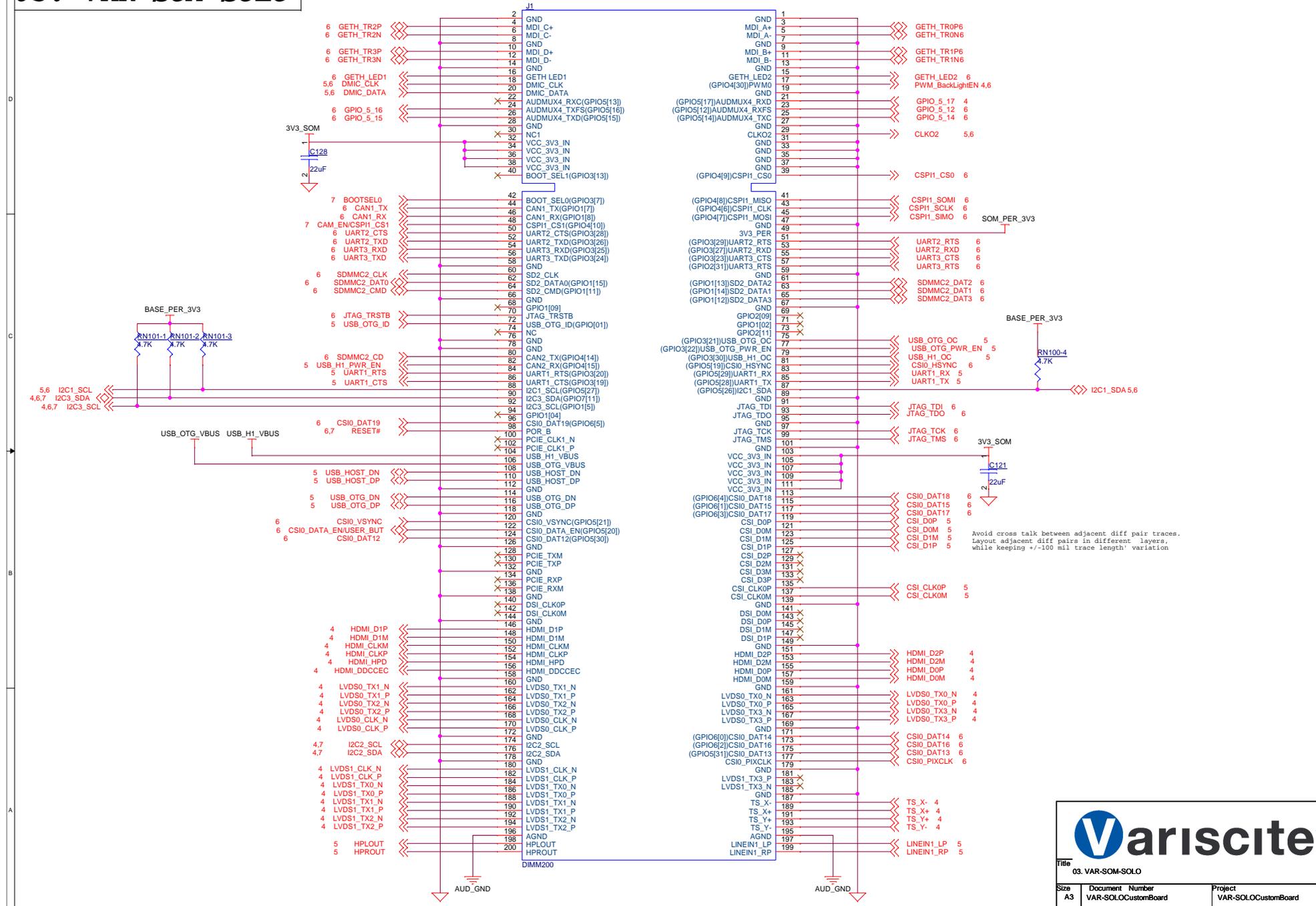


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Title: 02. Block Diagram

Size: A3	Document Number: VAR-SOLOCustomBoard	Project: VAR-SOLOCustomBoard	Rev: 1.1
Designer: <Designer>		Approved By: <Approved By>	
Date: Sunday, February 08, 2015		Sheet 2 of 7	

03. VAR-SOM-SOLO

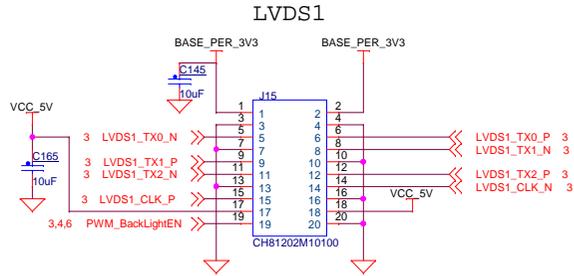




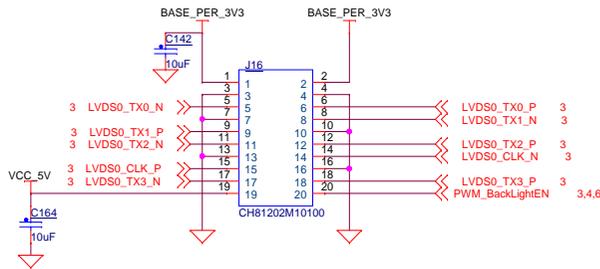
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Size A3	Document Number VAR-SOLOCustomBoard	Project VAR-SOLOCustomBoard	Rev 1.1
Designer: <Designer>		Approved By: <Approved By>	
Date: Wednesday, January 21, 2015		Sheet 3 of 7	

04. Display, Touch, HDMI

Display

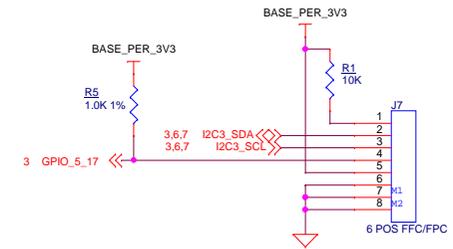


LVDS0

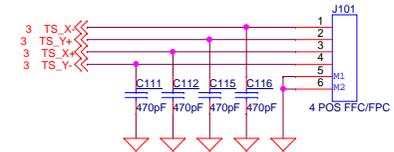


Touch

Capacitive Touch

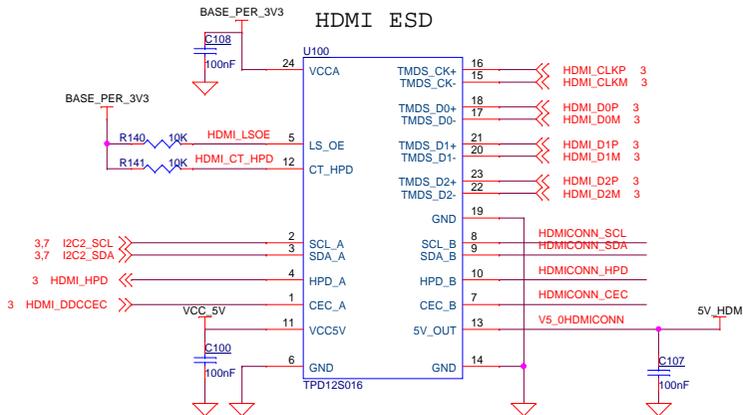


Resistive Touch

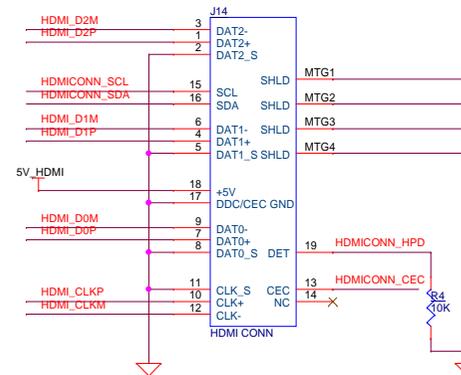


HDMI

HDMI ESD

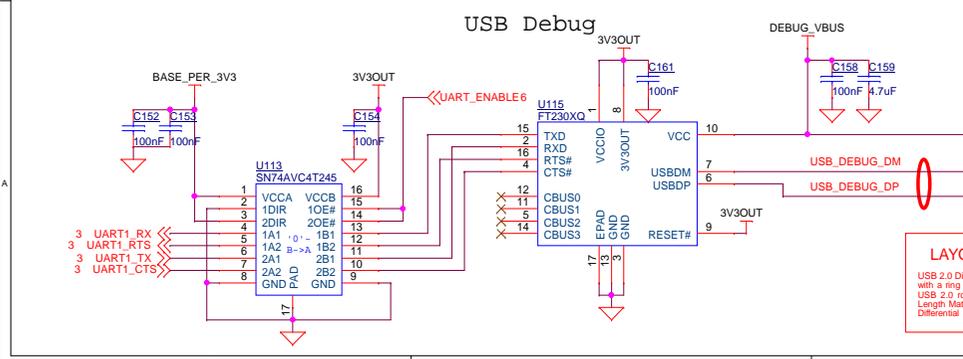
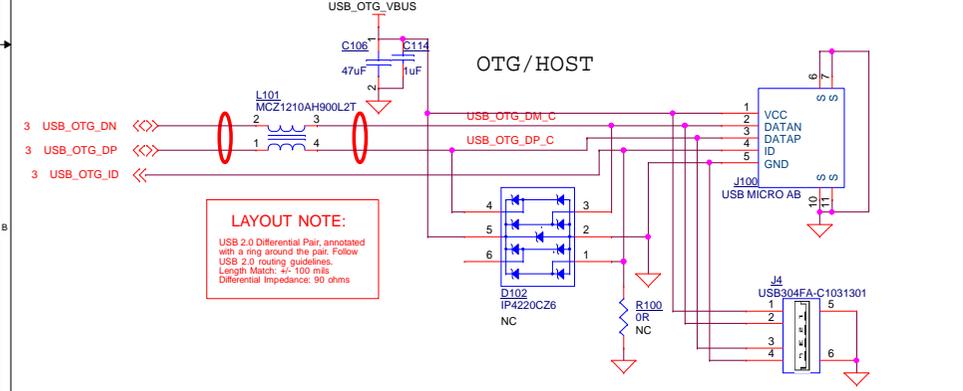
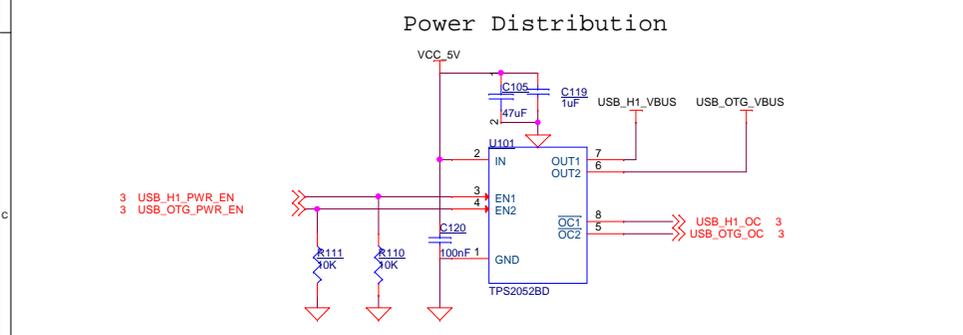
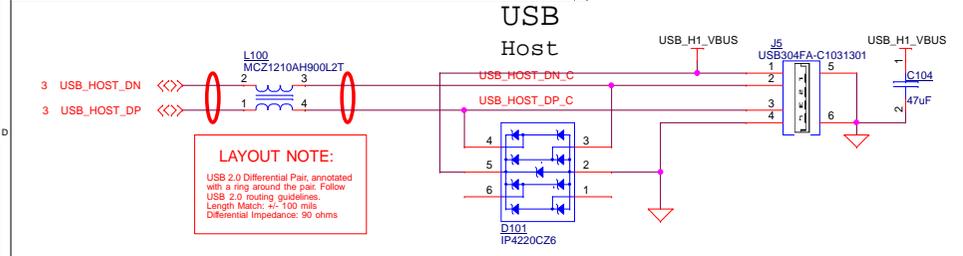


HDMI Connector

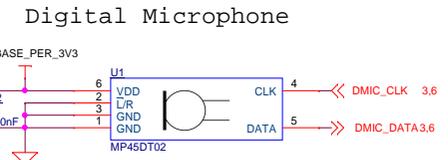


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 Size: A3 | Document Number: VAR-SOLOCustomBoard | Project: VAR-SOLOCustomBoard | Rev: 1.1
 Designer: <Designer> | Approved By: <Approved By>
 Date: Tuesday, November 25, 2014 | Sheet: 4 of 7

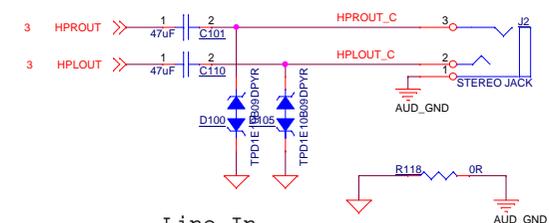
05. USB, Audio, Camera



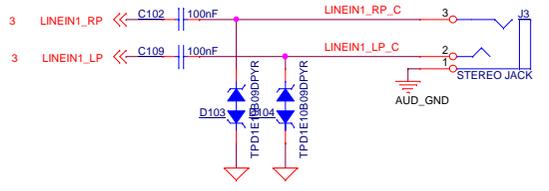
Audio



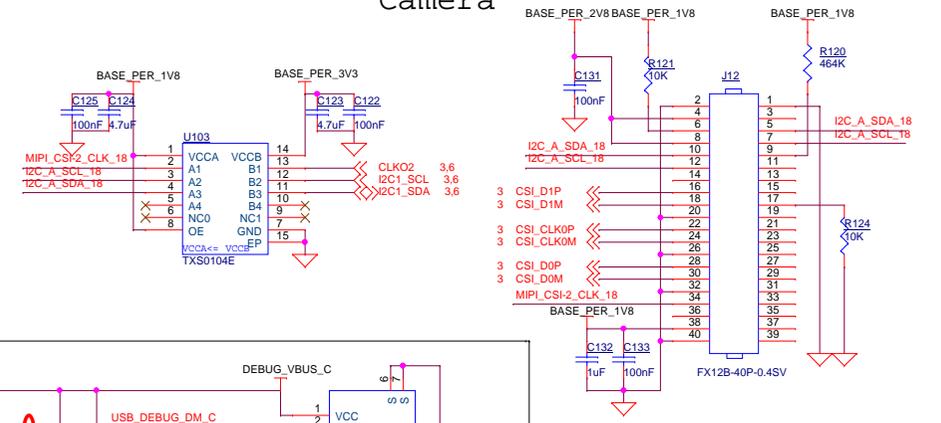
Headphones



Line In



Camera

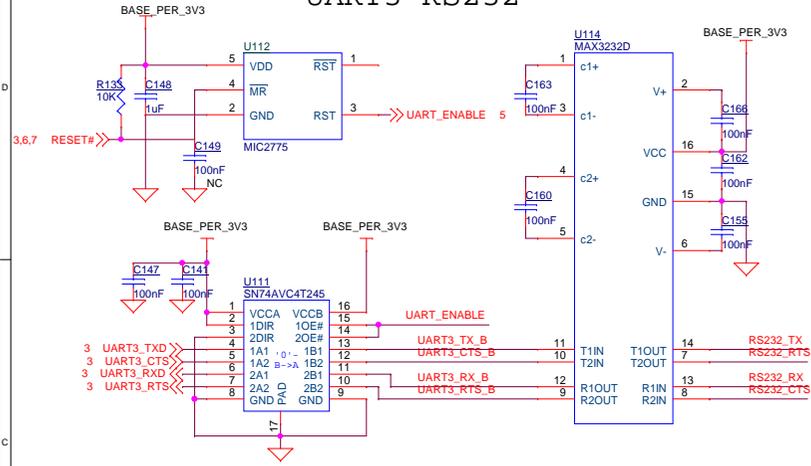


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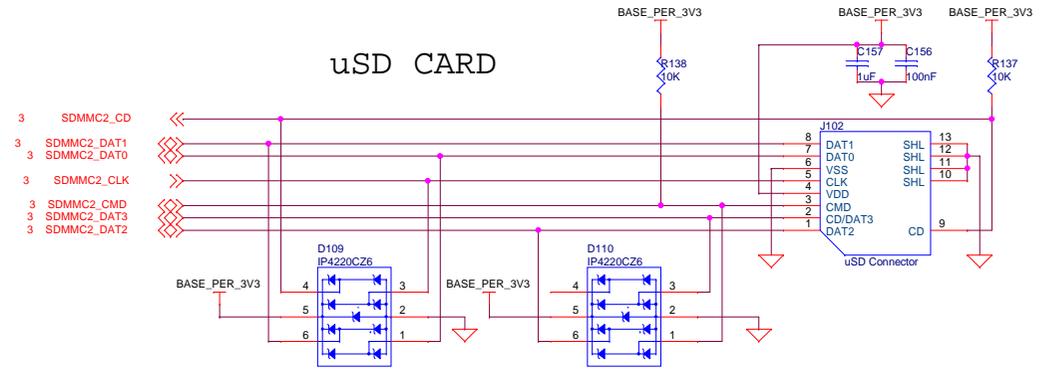
Size	Document Number	Project	Rev
A3	VAR-SOLOCustomBoard	VAR-SOLOCustomBoard	1.1
Designer:	<Designer>	Approved By:	<Approved By>
Date:	Sunday, February 08, 2015	Sheet	5 of 7

06. Peripherals, Exp. Connectors

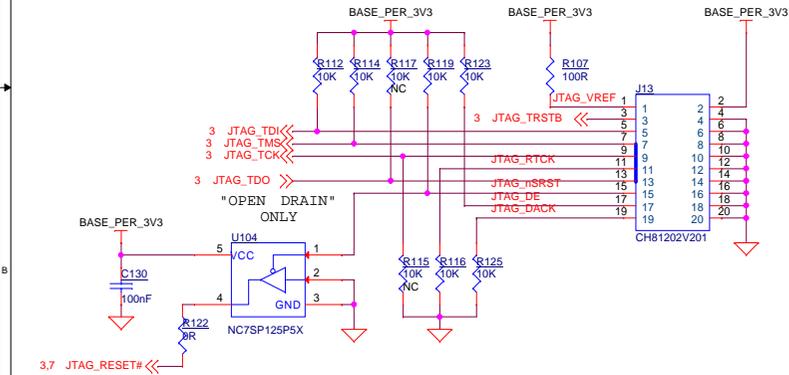
UART3-RS232



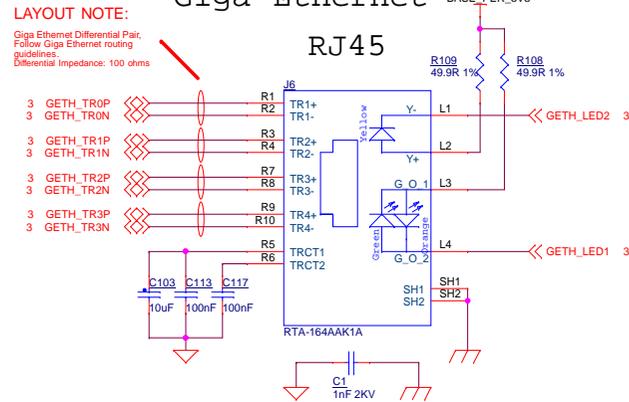
uSD CARD



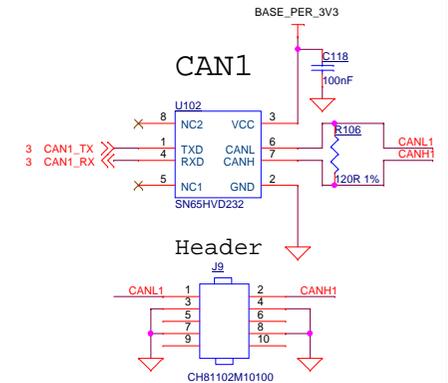
JTAG



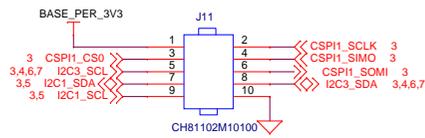
Giga Ethernet



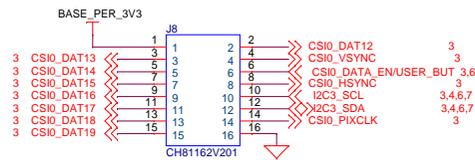
CAN1



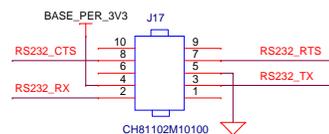
SPI/I2C



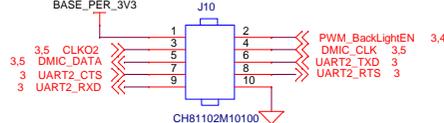
Parallel Camera



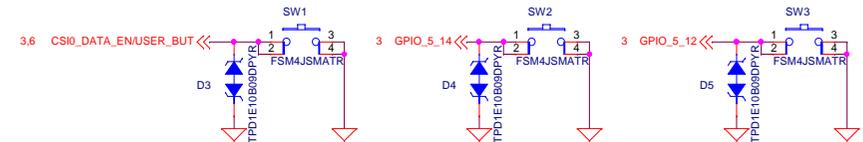
RS232 Header



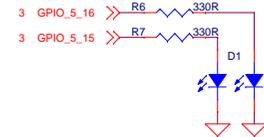
MISC



USER BUTTONS



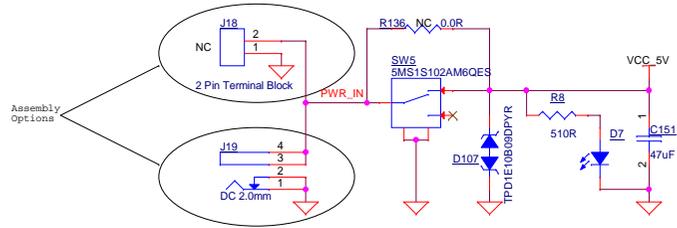
GP LED



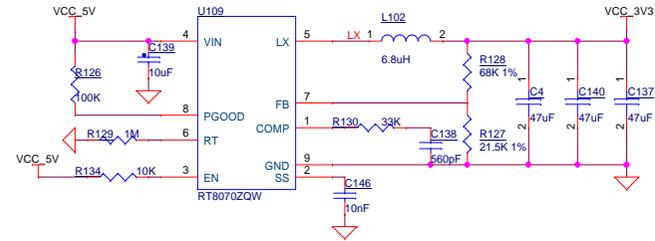
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Size A3	Document Number VAR-SOLOCustomBoard	Project VAR-SOLOCustomBoard	Rev 1.1
Designer: <Designer>		Approved By: <Approved By>	
Date: Tuesday, November 25, 2014		Sheet 6 of 7	

07. Power & Mechanics

DC-IN - 5V

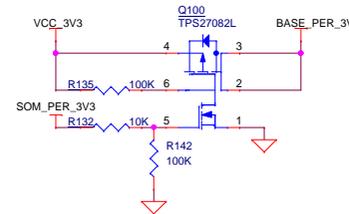


3.3V Digital 4A



Note:
place 3 x 47uF caps
for full load operation

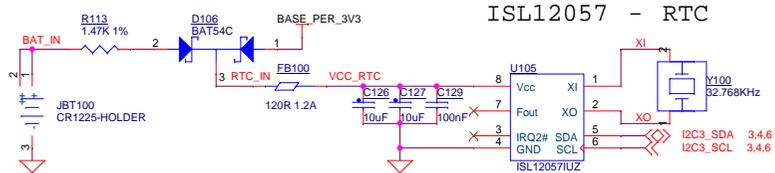
3.3V Base



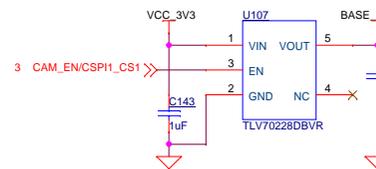
SOM Power



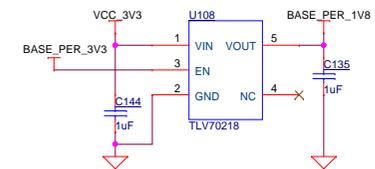
RTC Battery



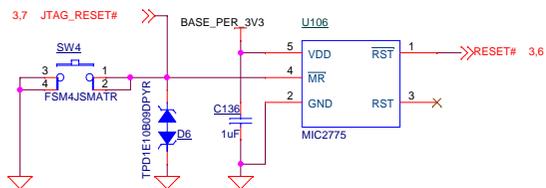
2.8V Base



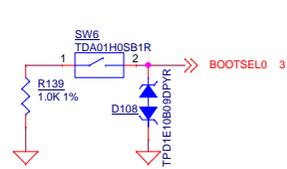
1.8V Base



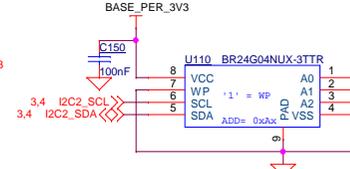
Reset



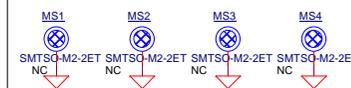
Sys-boot



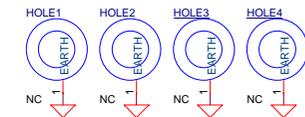
Board ID



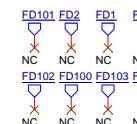
4X SOM CONN HOLES



4X Chassis Holes



Fiducial



Title 07. Power & Mechanics			
Size A3	Document VAR-SOLOCustomBoard	Number Project VAR-SOLOCustomBoard	Rev 1.1
Designer: Monday, December 29, 2014		Approved By: Sheet 7 of 7	