

VAR-DT6CustomBoard



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Disclaimer:

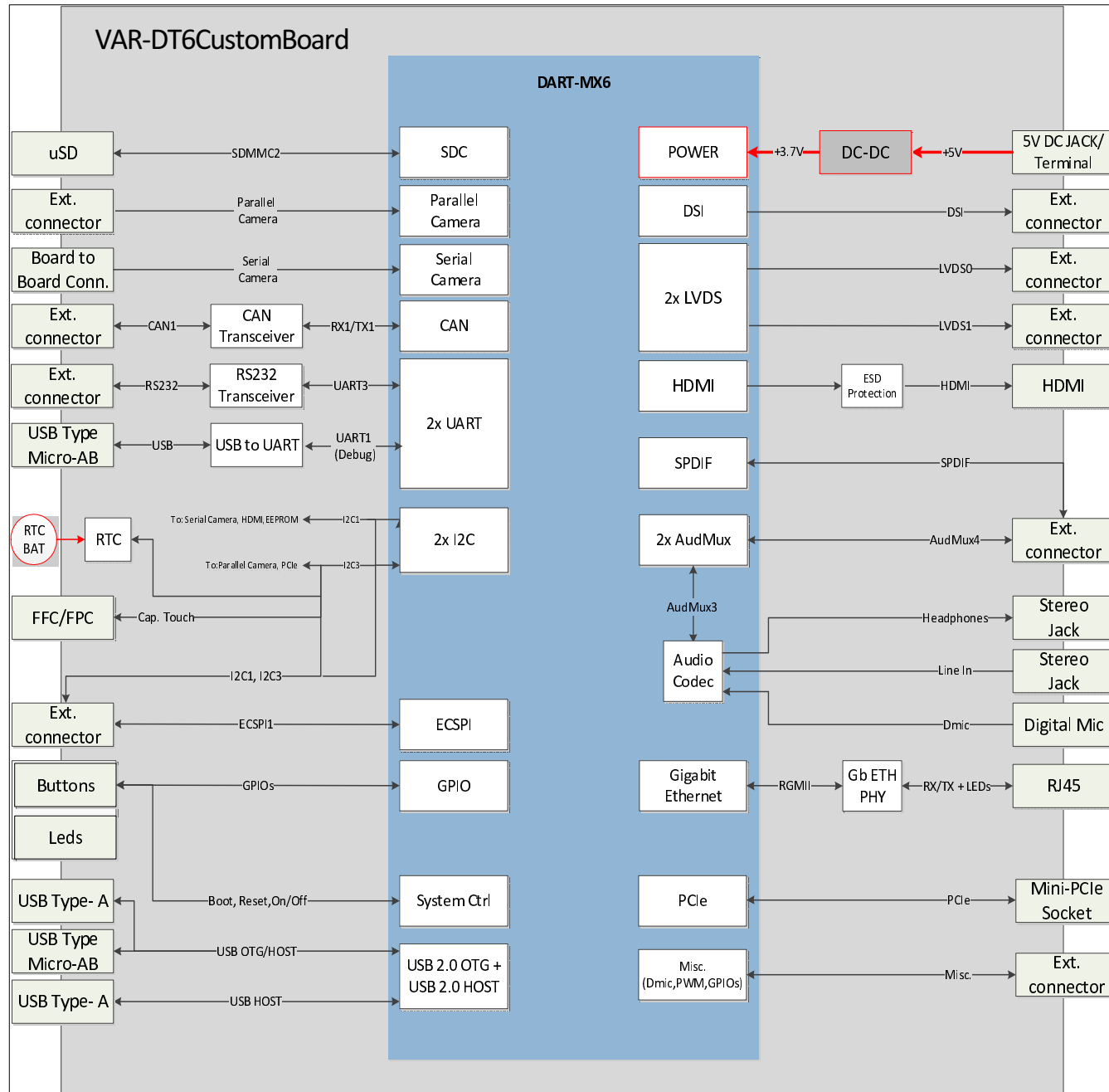
Schematics are for reference only.
Variscite LTD provides no warranty for the use of
these schematics.
Schematics are subject to change without notice.

Revision History

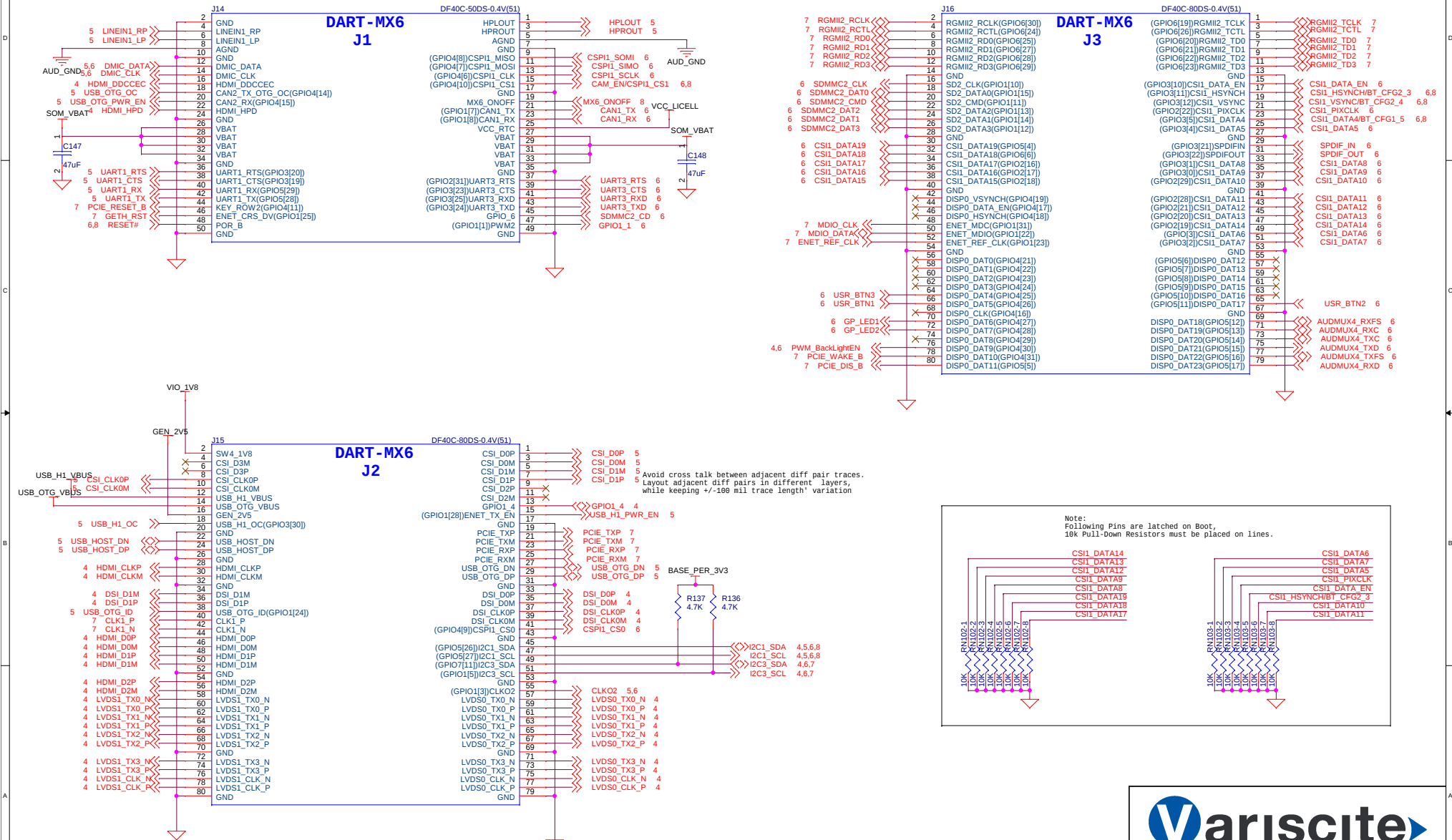
Document	Carrier	
1.0	1.0	Initial
1.1	1.0	Pre-Prodcution
1.2	1.1	Production - J14.25, J15.15 - pinout change - Removed RN100 - Added R135-R137,RN102,RN103

Title 01. Cover			
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02 - Block Diagram



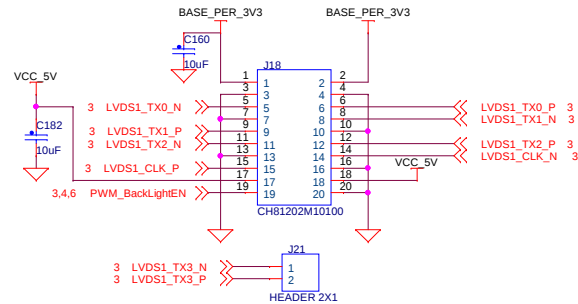
03. DART-MX6



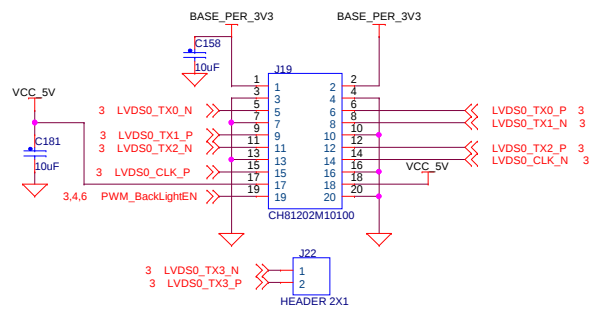
04. Display, Touch, HDMI

Display

LVDS1

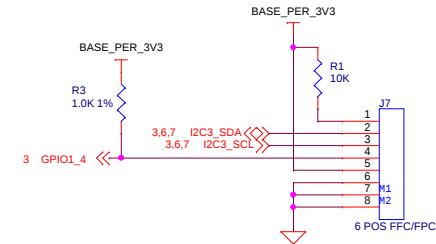


LVDS0

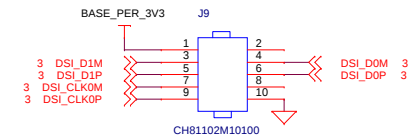


Touch

Capacitive Touch

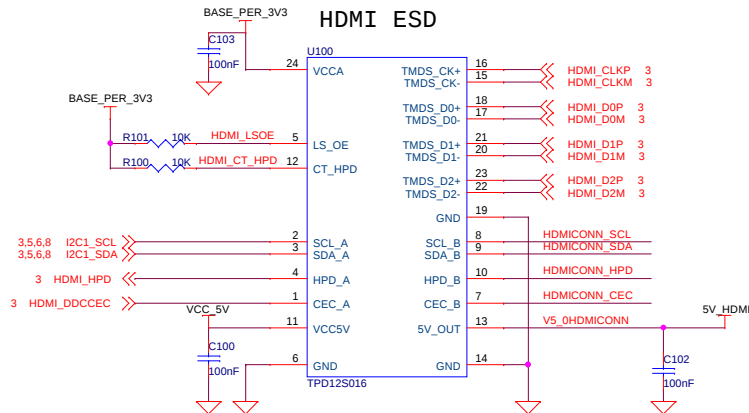


DSI

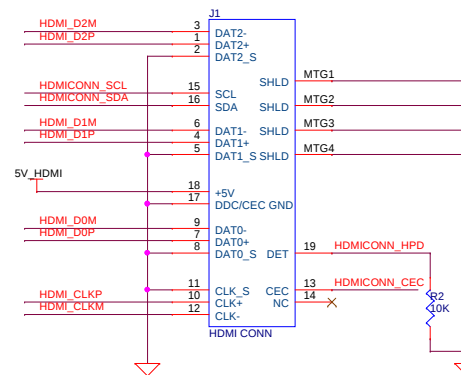


HDMI

HDMI ESD

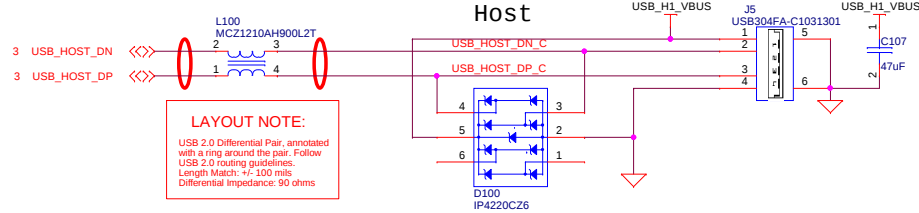


HDMI Connector

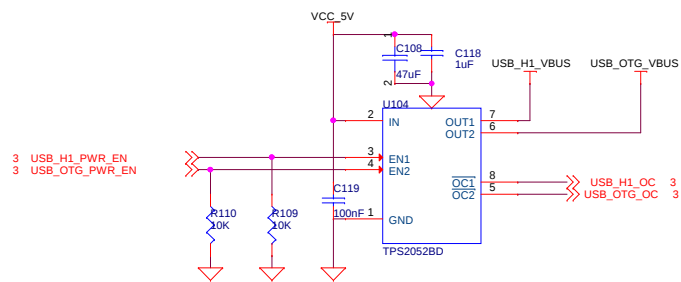


05. USB, Audio, Camera

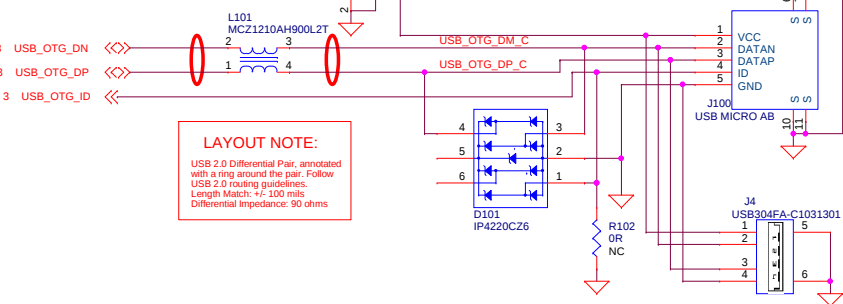
USB Host



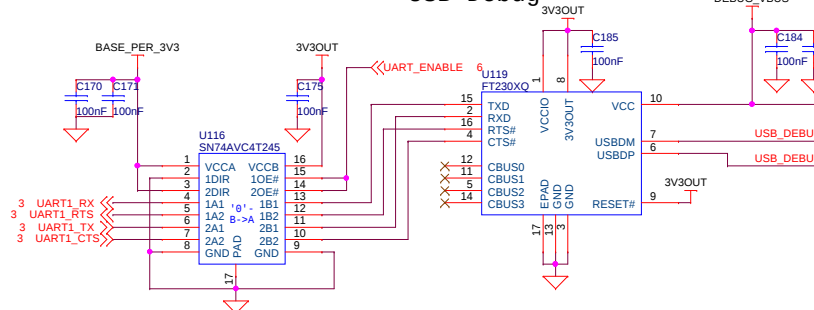
Power Distribution



OTG/HOST

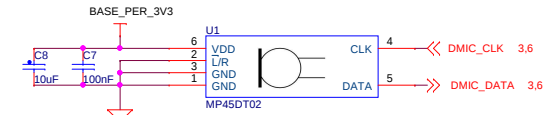


USB Debug

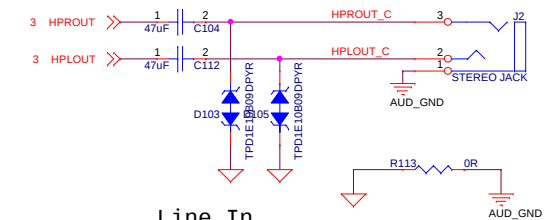


Audio

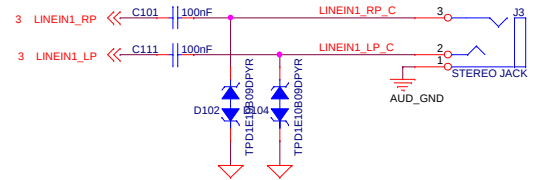
Digital Microphone



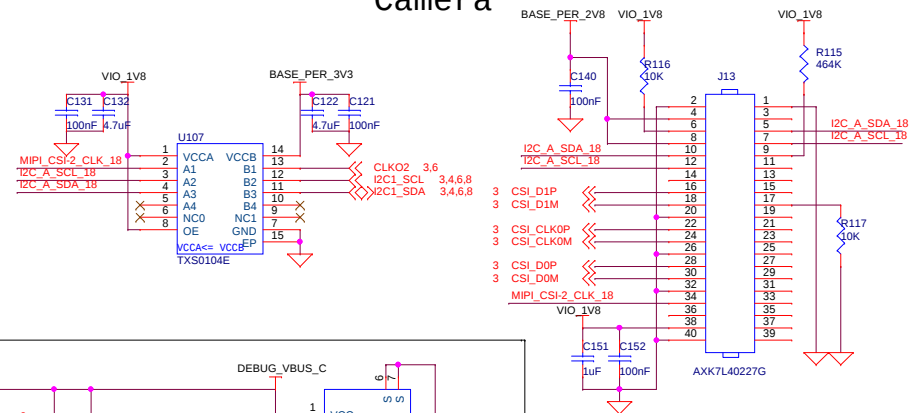
Headphones



Line In



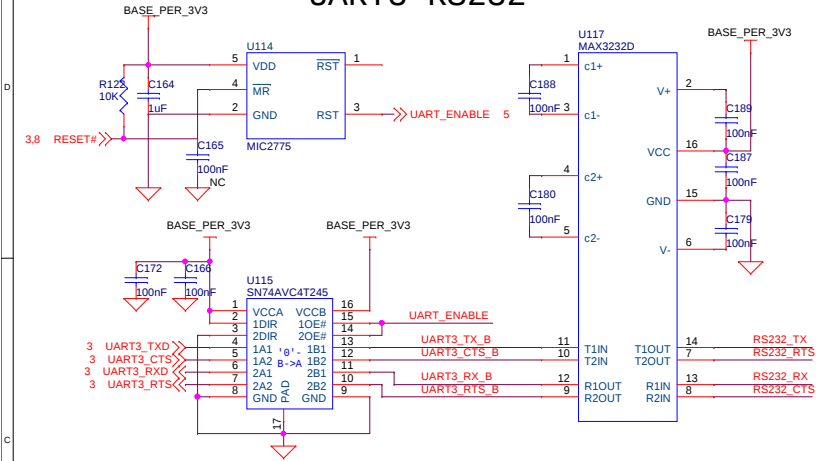
Camera



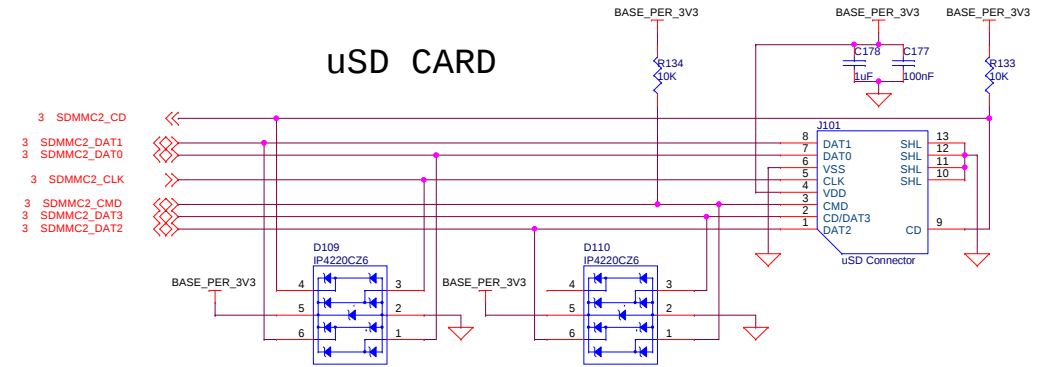
Title: 05. USB, Audio, Camera			
Size: A3	Document Number: VAR-DT6CustomBoard	Project: VAR-DT6CustomBoard	Rev: 1.1
Designer: <Designer>	Approved By: <Approved By>		
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06. Peripherals, Exp. Connectors

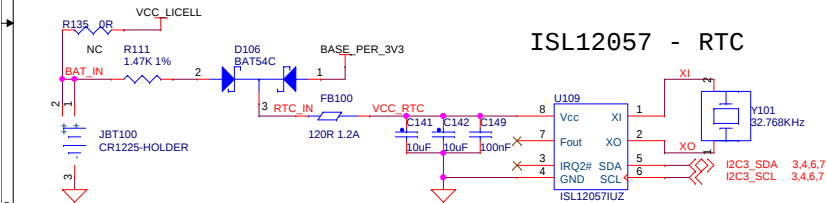
UART3-RS232



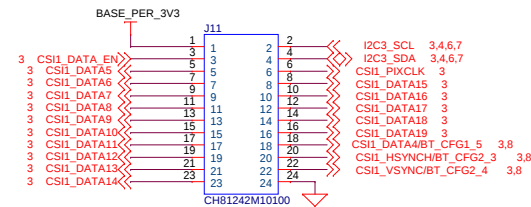
USD CARD



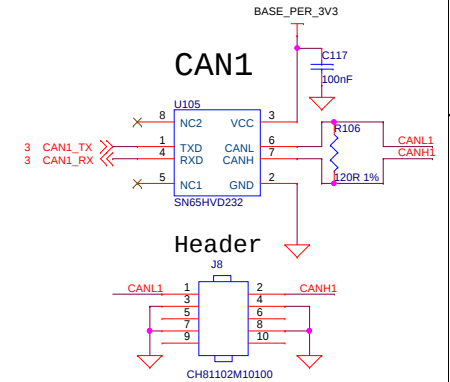
RTC Battery



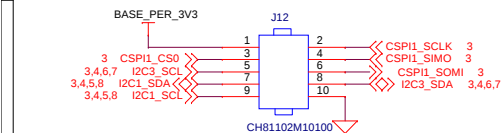
Parallel Camera



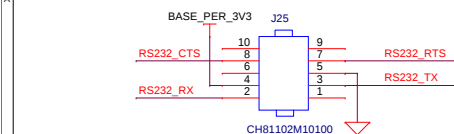
CAN1



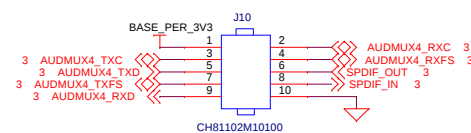
SPI/I2C



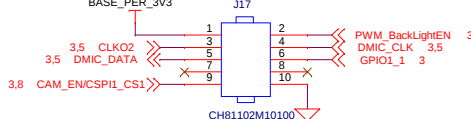
RS232 Header



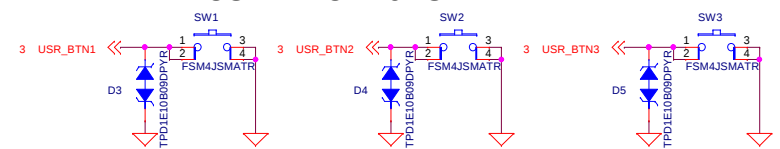
Digital Audio



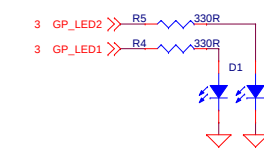
MISC



USER BUTTONS

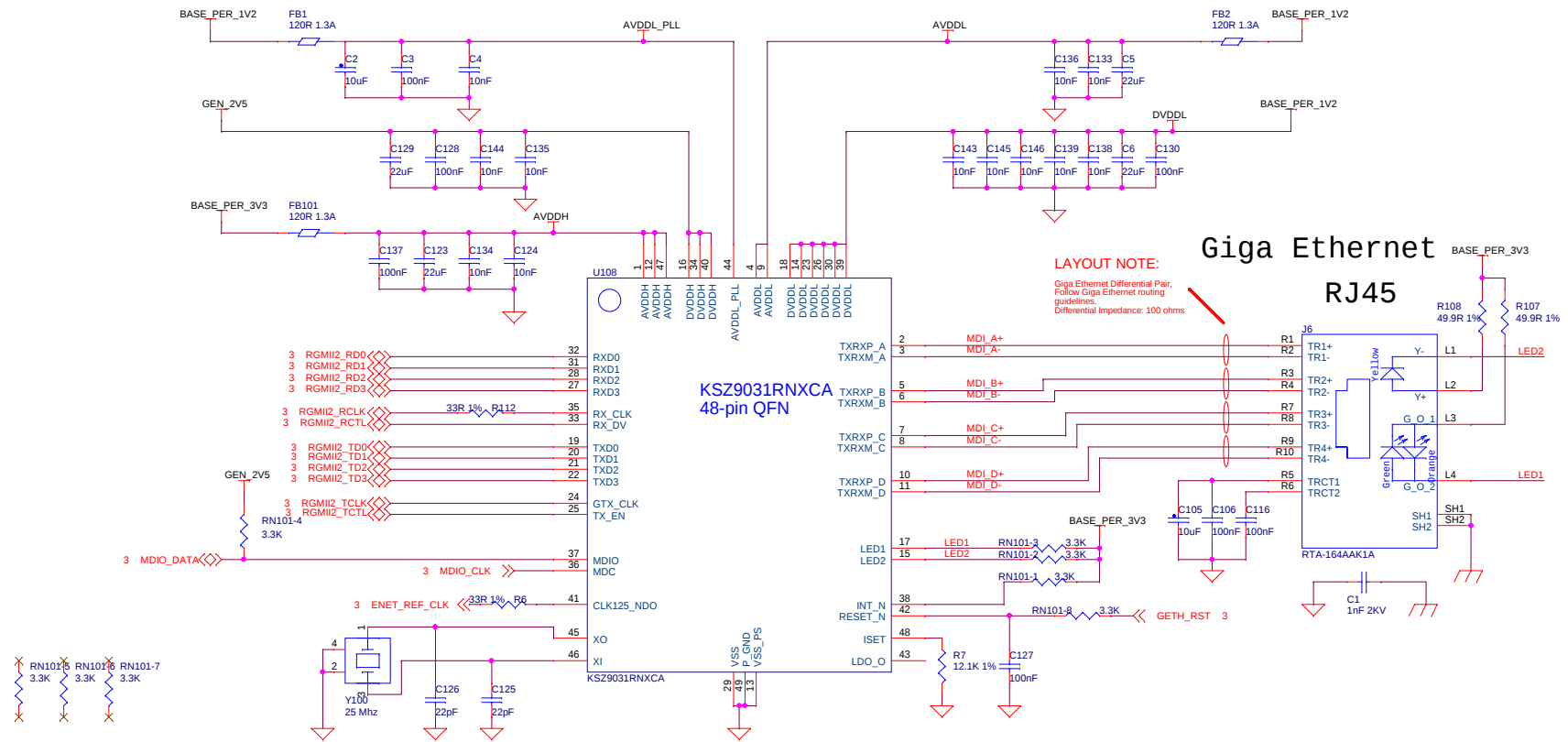


GP LED

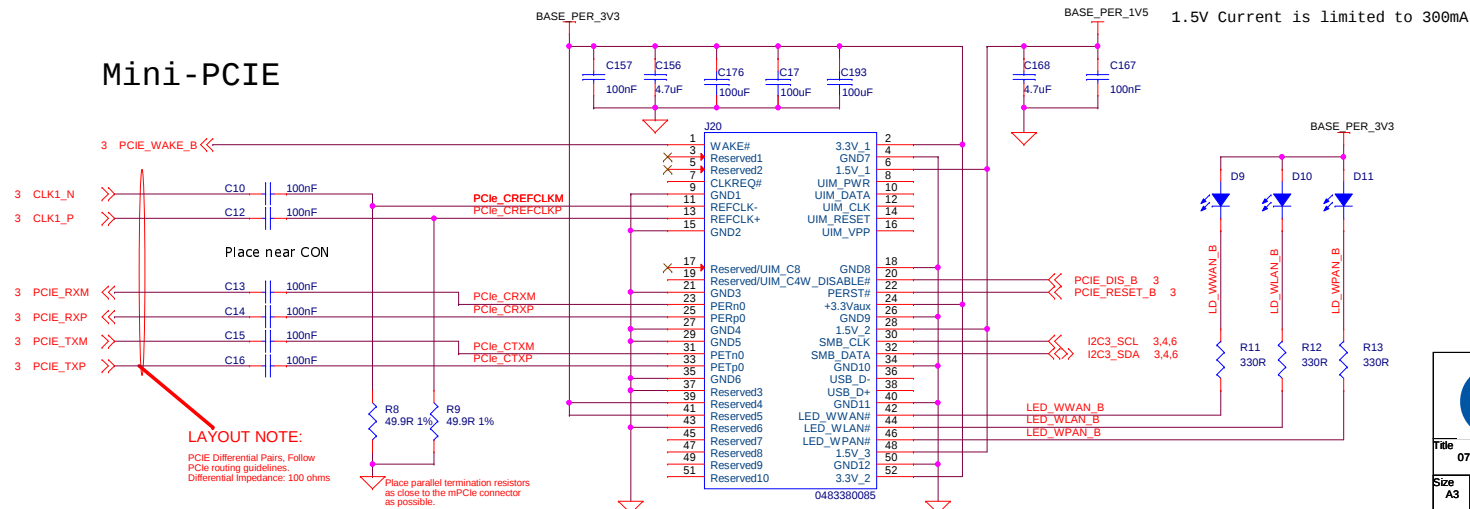


Title 06. Peripherals, Exp. Connectors			
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07. G. Ethernet PHY, PCIe

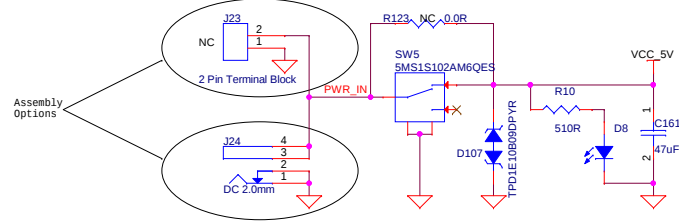


Mini-PCIE

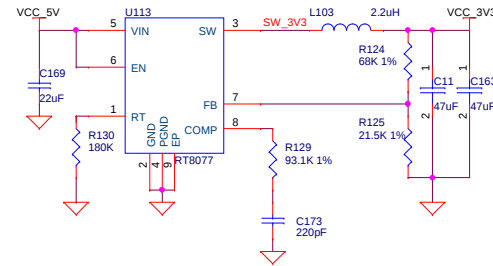


08. Power & Mechanics

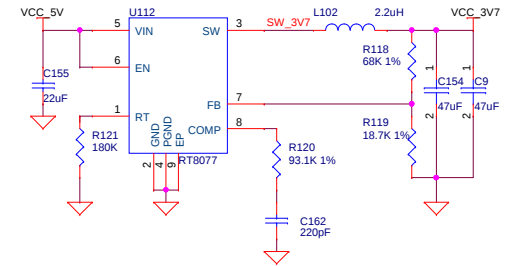
DC-IN - 5V



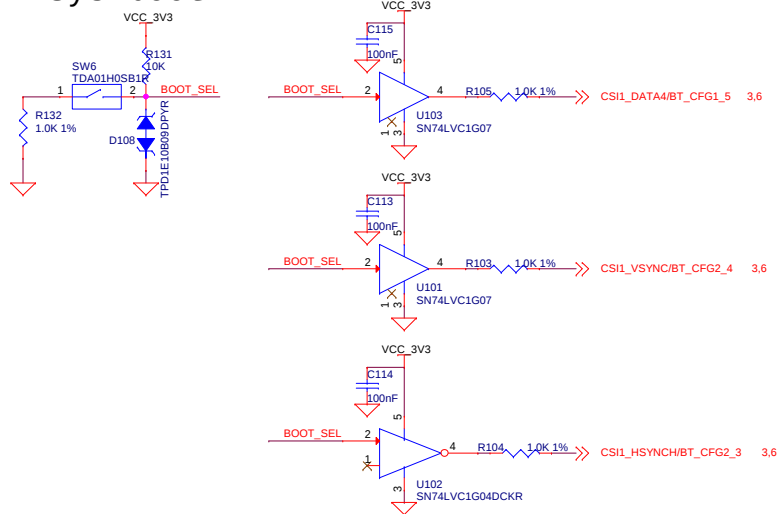
3.3V Digital 2A



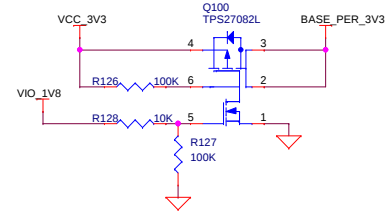
3.7V Digital 2A



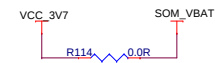
Sys-boot



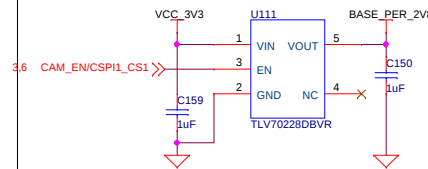
3.3V Base



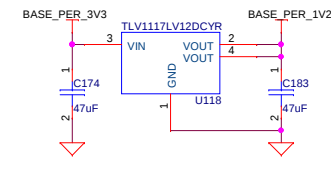
SOM Power



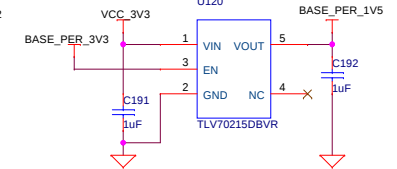
2.8V Base



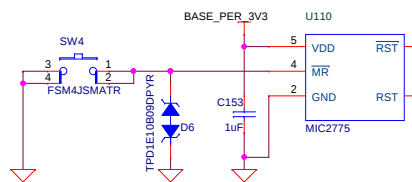
1.2V Base



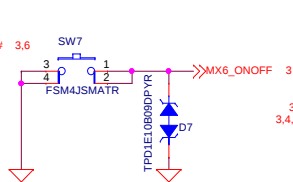
1.5V Base



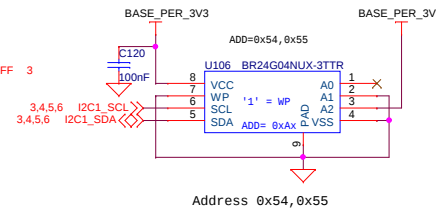
Reset



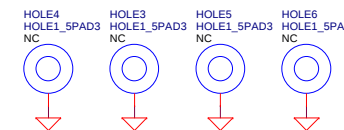
ONOFF



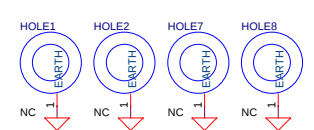
Board ID



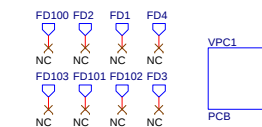
4X SOM CONN HOLES



4X Chassis Holes



Fiducial



08. Power & Mechanics

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