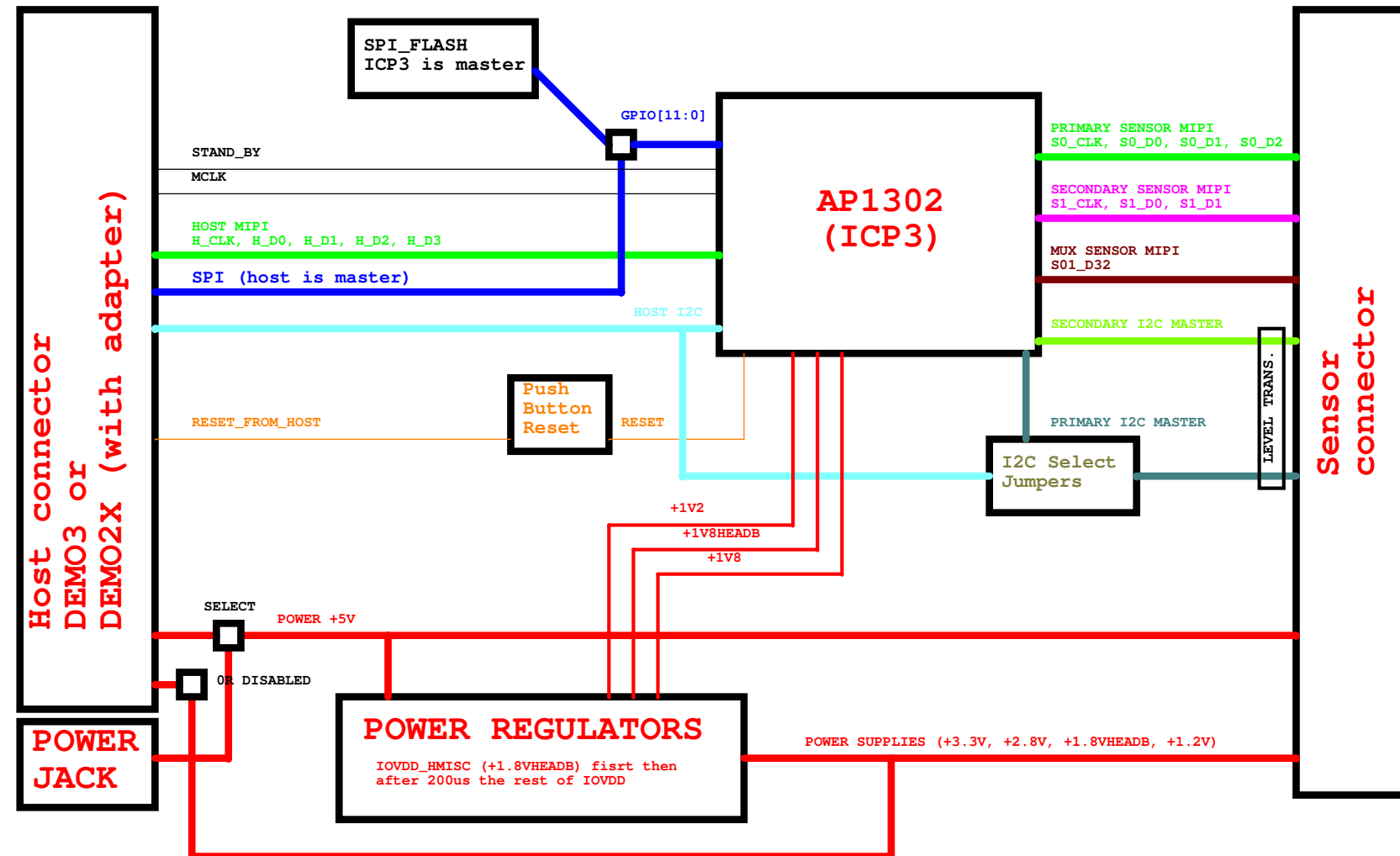


AP1302_ICP3_120VFBGA_DEMO

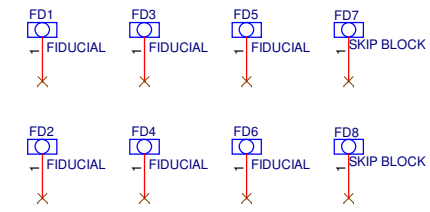
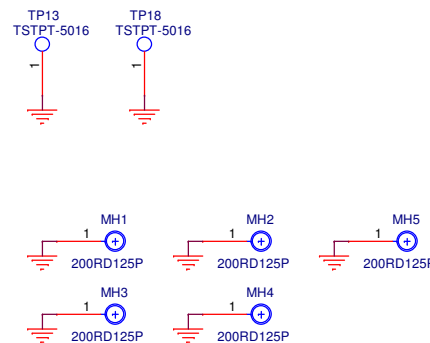
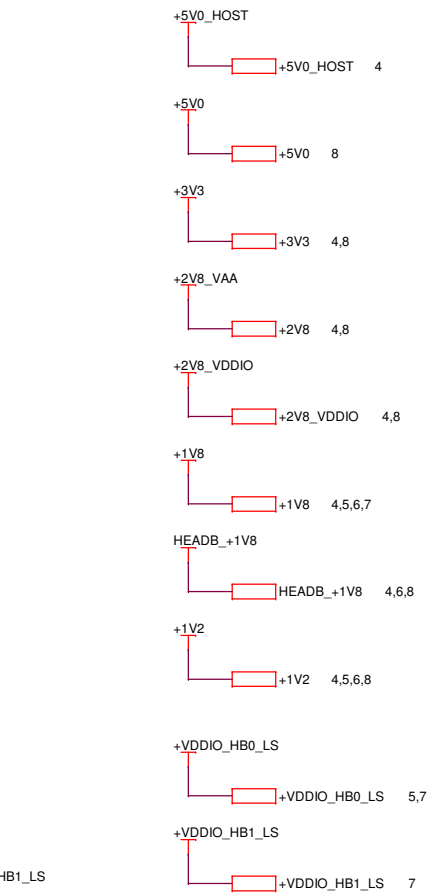
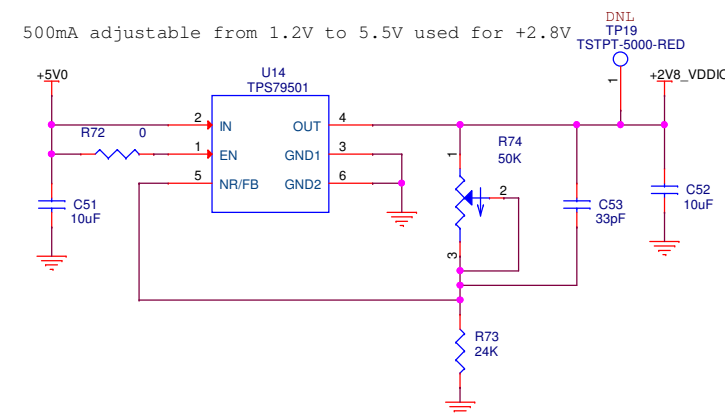
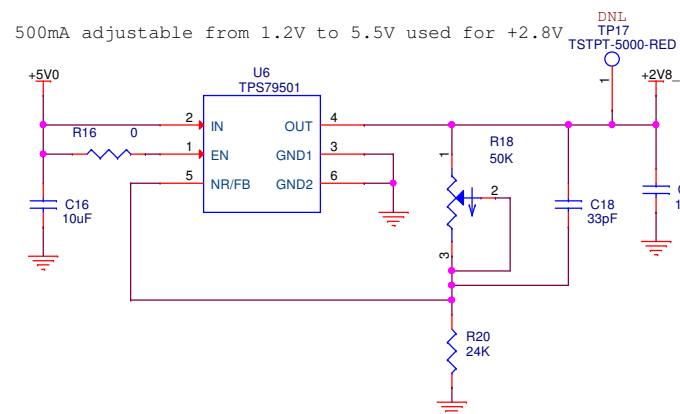
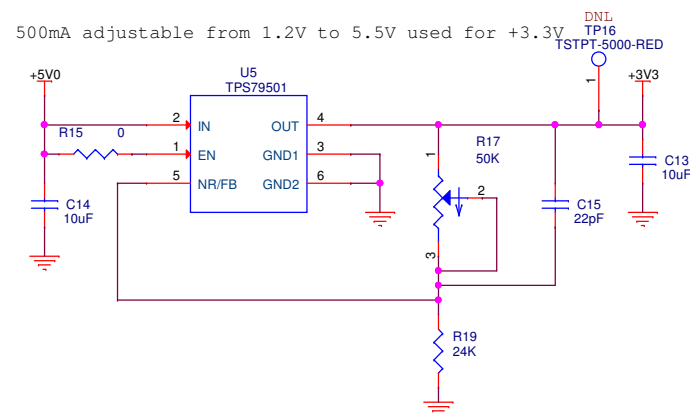
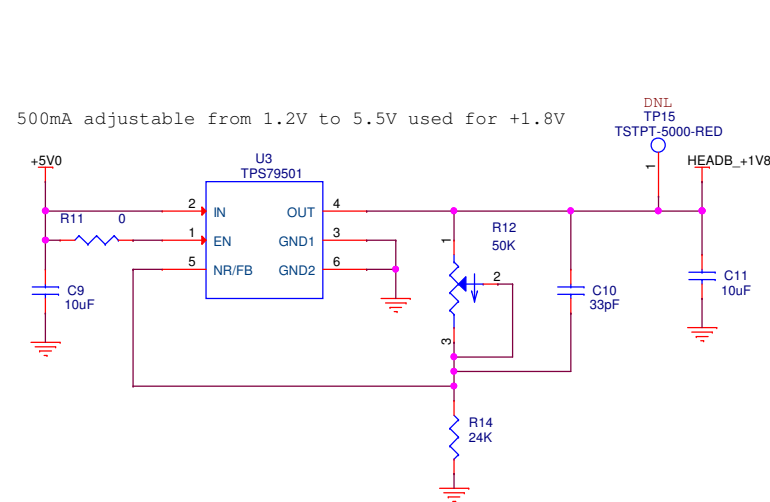
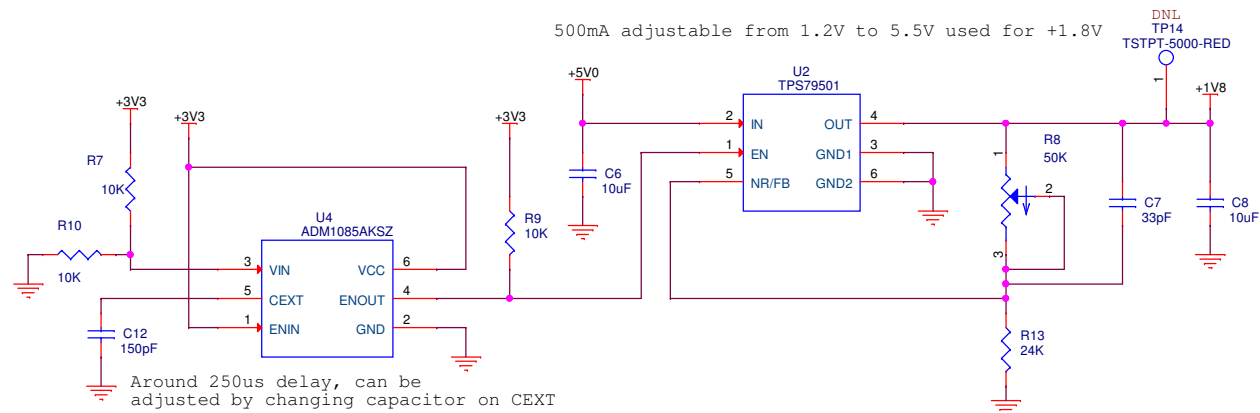
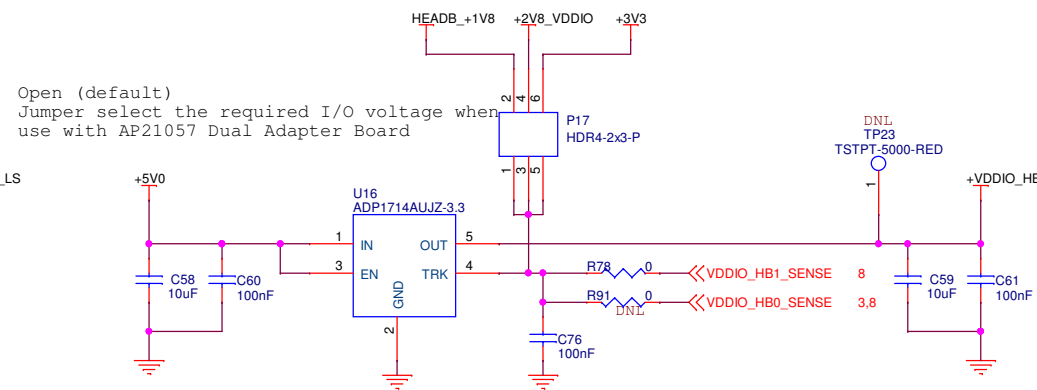
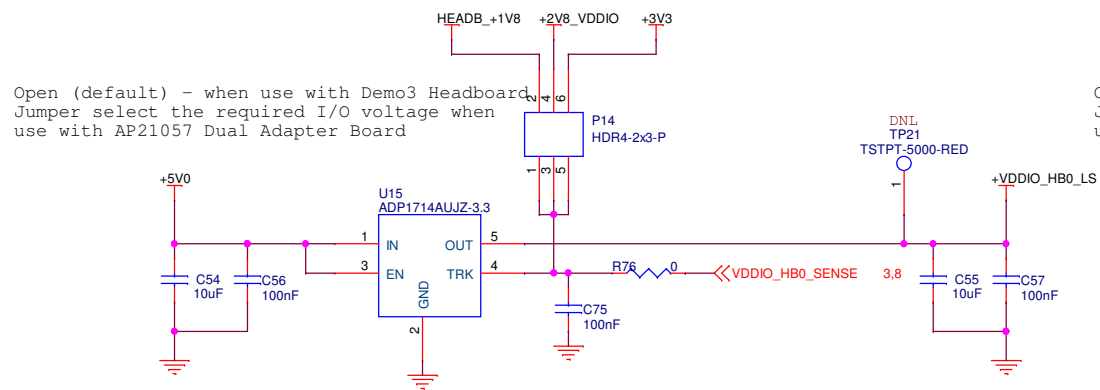
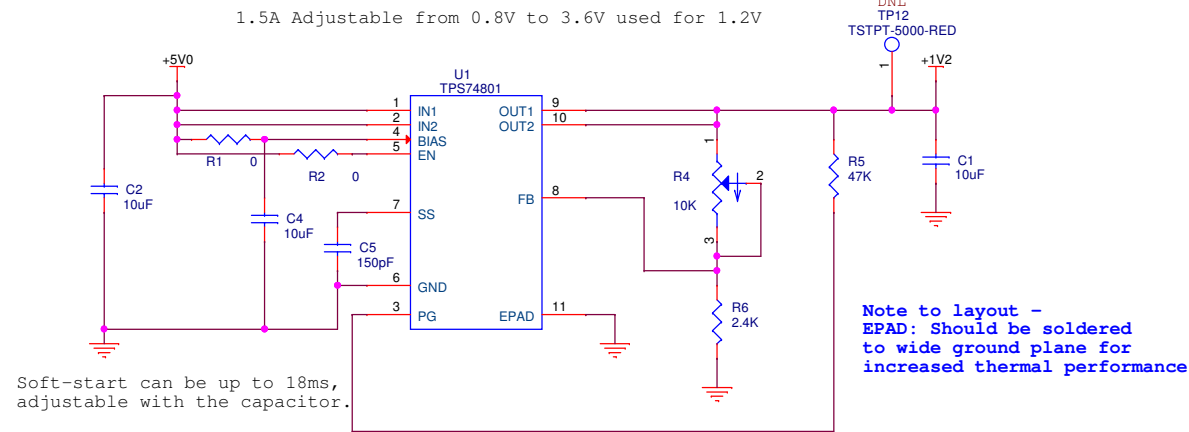
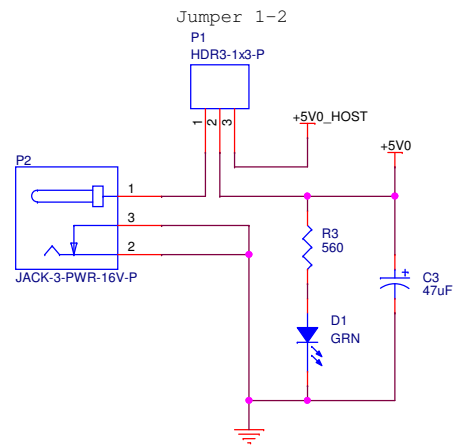
Page	Description
1	Title
2	Block Diagram
3	Power Supplies
4	Connector to Host (Demo3 Baseboard)
5	AP1302 Signals
6	AP1302 Powers
7	AP1302 GPIOs
8	Connector to Sensors (Demo3 Headboards)

Rev	Who	Date	Description
Rev 0.0	Joe KK	02/14/12	Initial - Derive from AP1300_ICP2_Demo_Rev1 design
Rev 1.0	dmincinski	07/09/2013	Reassigned the Flash Pin to P20, S1_SDA to P24 and S1_SCL to P22. Added SP0 to P27 and Head_SSN to P34.
Rev 2.0	Sesha	02July2021	Based on Rev0, GPIO table in Page7 is updated with correct reset values

Block Diagram

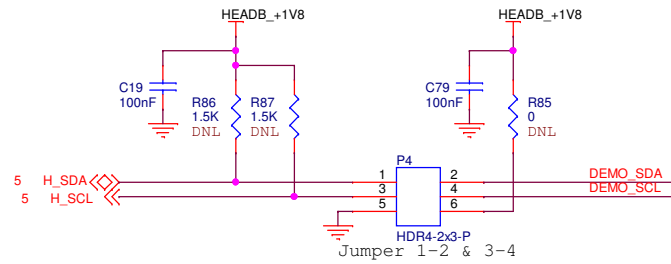


Power Supplies

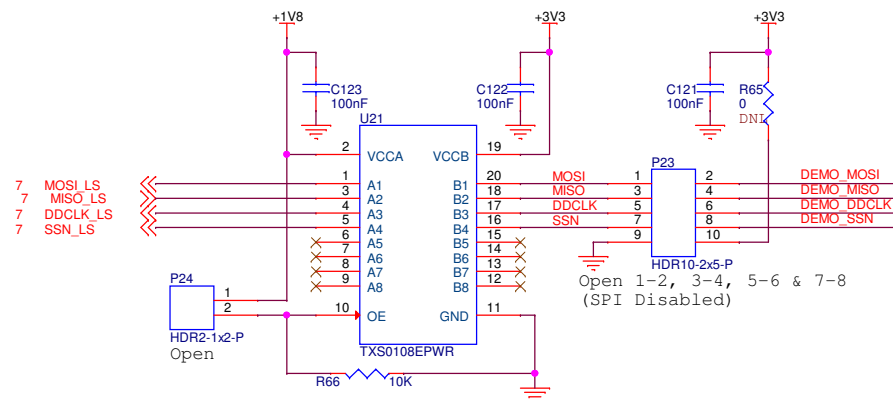


Connector to Host (Demo3 Baseboard)

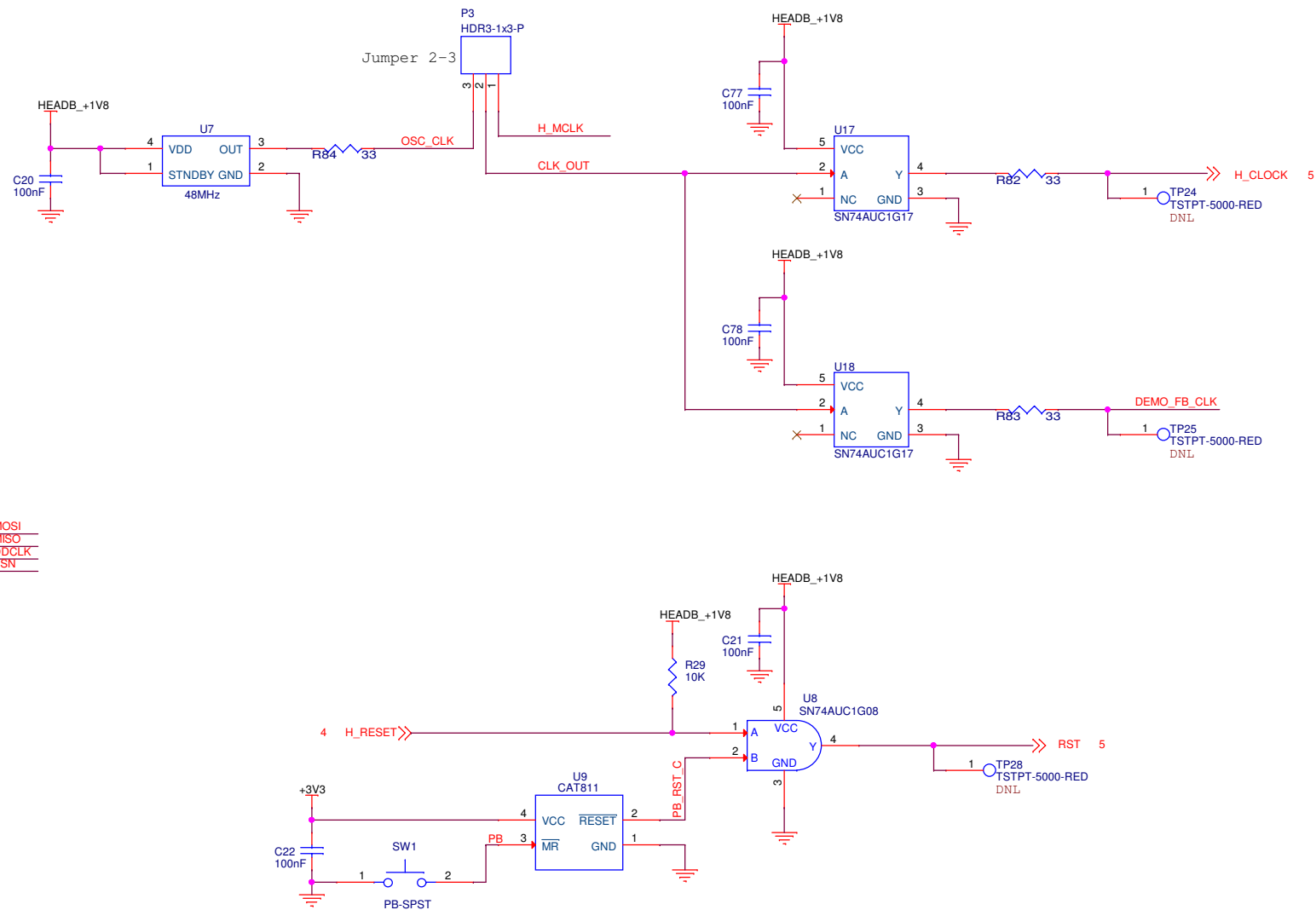
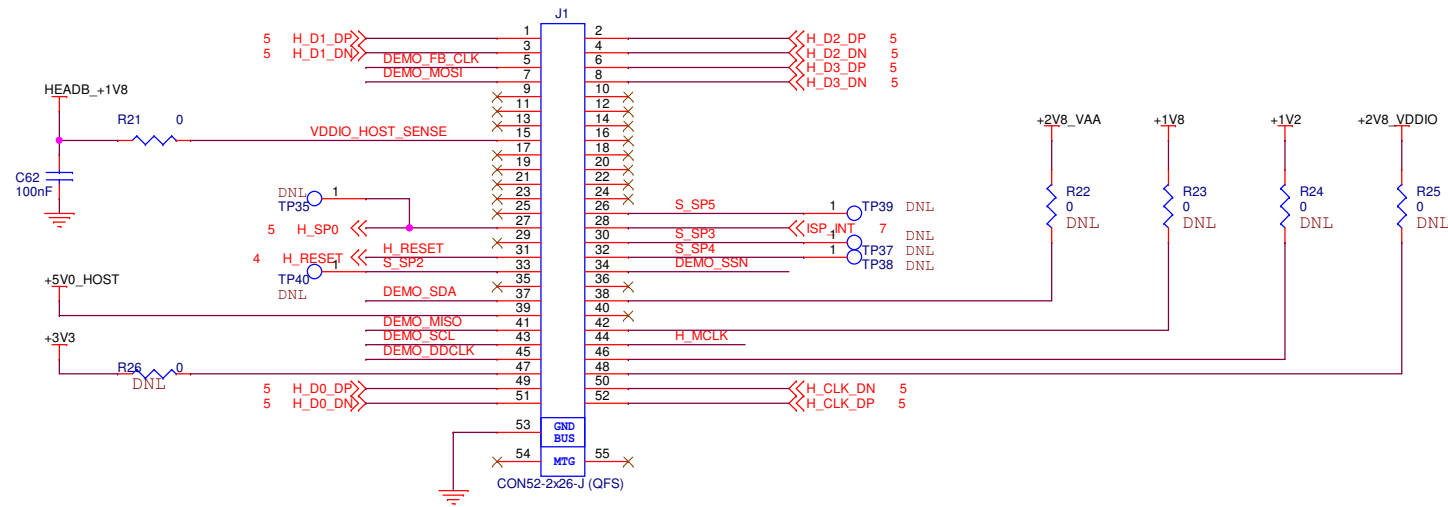
I2C DEBUG



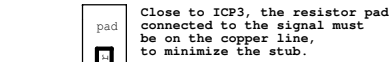
SPI DEBUG



from DEMO3 -> to ICP3

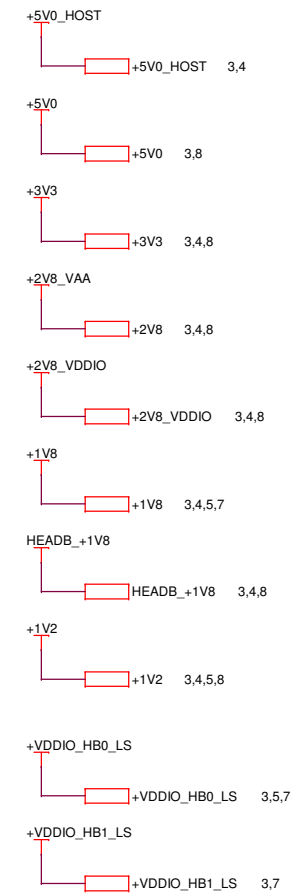
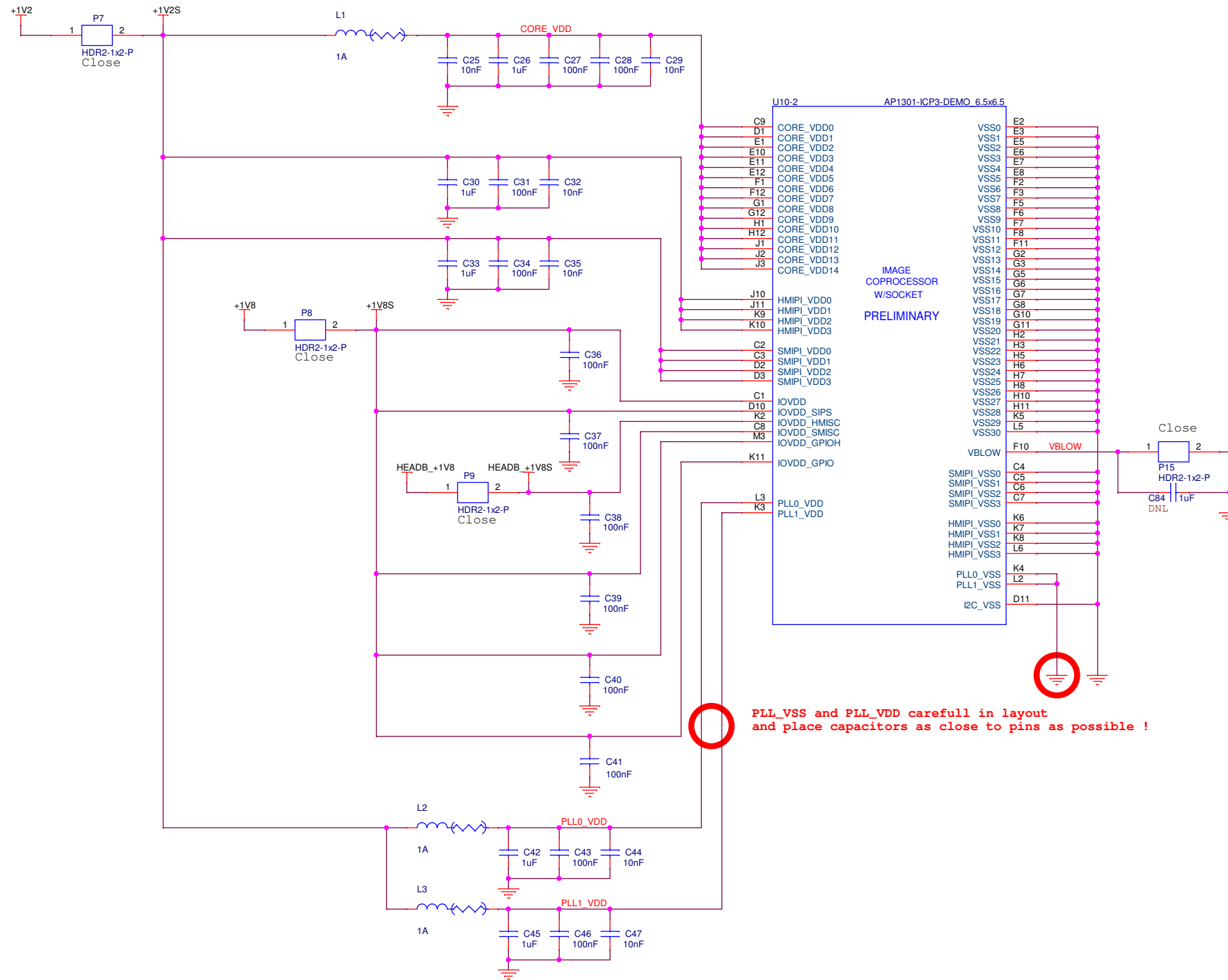


AP1302 Signals

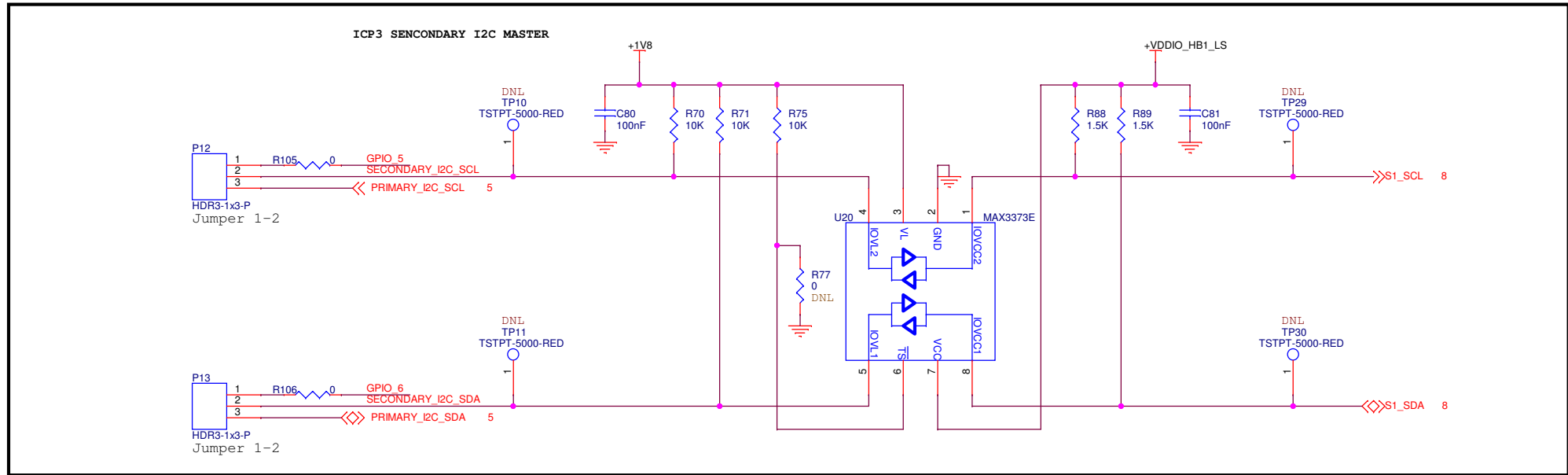
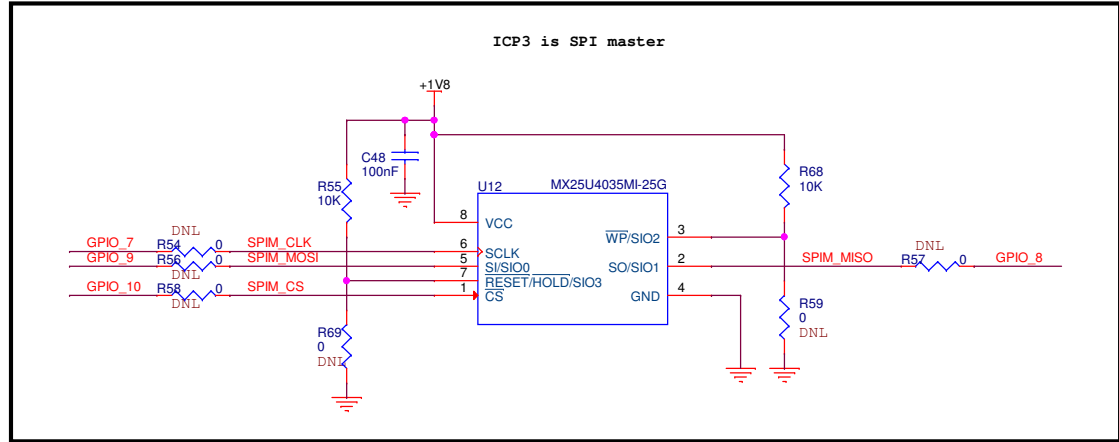
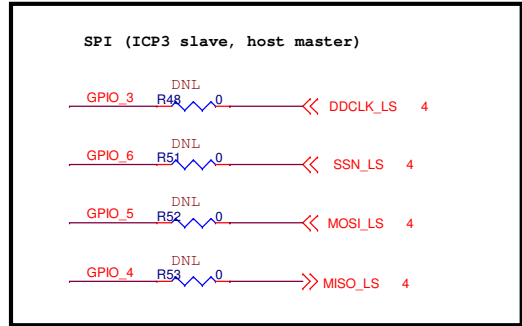


AP1302 Powers

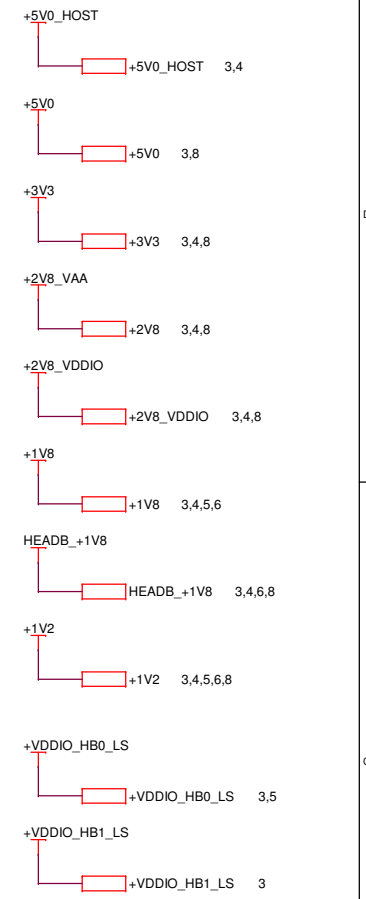
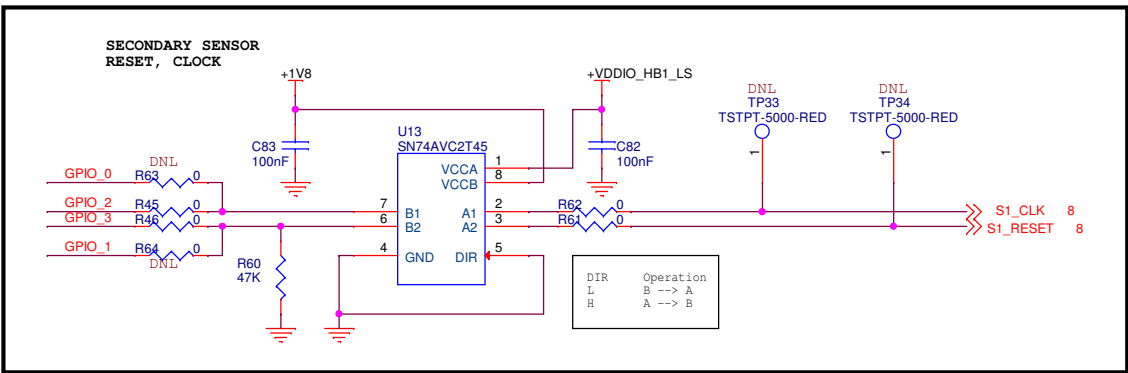
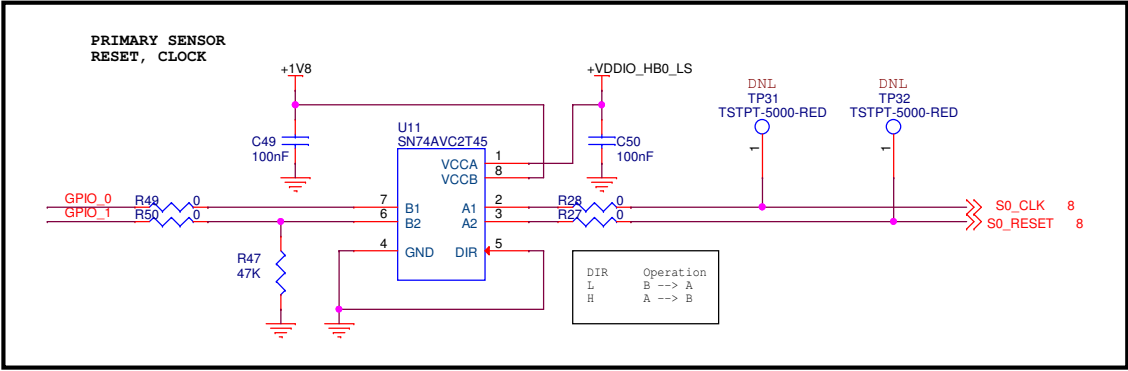
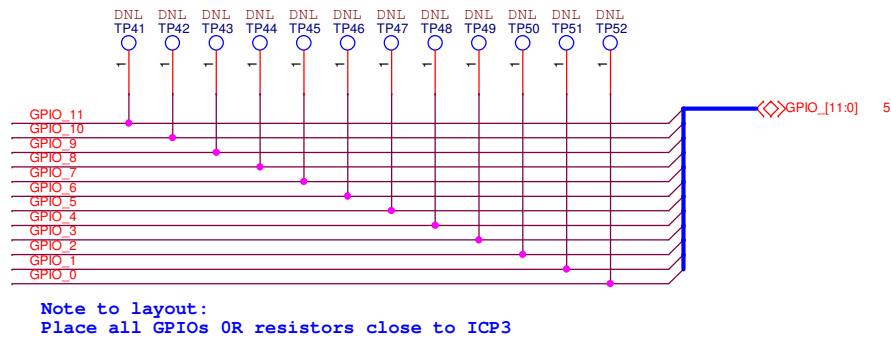
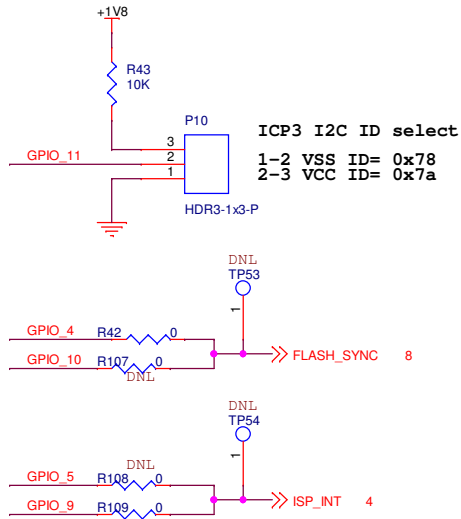
Place the jumpers close to power supplys
and the capacitors as close to ICP2 as possible.



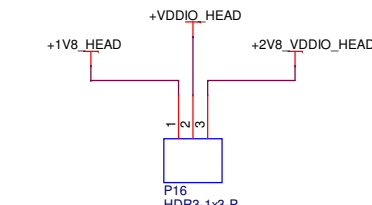
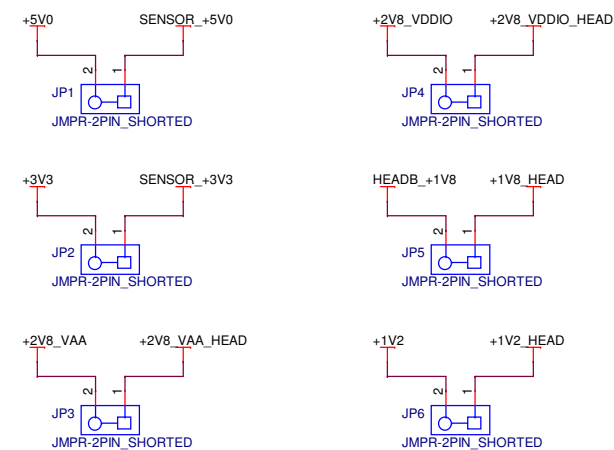
ICP3 GPIO Function Mapping Table		
GPIO	FUNCTION	RESET VALUE
0	SEN_CLK1	HIGH-Z
1	SHUTDOWN1	0
2	SEN_CLK2	HIGH-Z
3	SHUTDOWN2 / SPIS_CLK	HIGH-Z
4	SPIS_MISO	1
5	SPIS_MOSI / 2ND_I2C_SCL	HIGH-Z
6	SPIS_CS / 2ND_I2C_SDA	HIGH-Z
7	SPIM_CLK	1
8	SPIM_MISO	HIGH-Z
9	SPIM_MOSI	0
10	SPIM_CS	1
11	ICP3 I2C ID SELECT	HIGH-Z



AP1302 GPIOs



Connector to Sensors (Demo3 Headboards)



Jumper 2-3 (default) - when use with Demo3 Headboard
Jumper 1-2 - when use with AP21057 Dual Adapter Board

Power Debug Header: Cut away the shorted trace
and mount header for power debugging

from ICP3 -> to Headboard or Dual Adapter Board

