96Boards On Semi Camera Mezzanine
Avnet Design Services
Avnet.me/Zed-community
Sheet Name

Reach Further™

96Boards On Semi Camera Mezzanine

Revision 1

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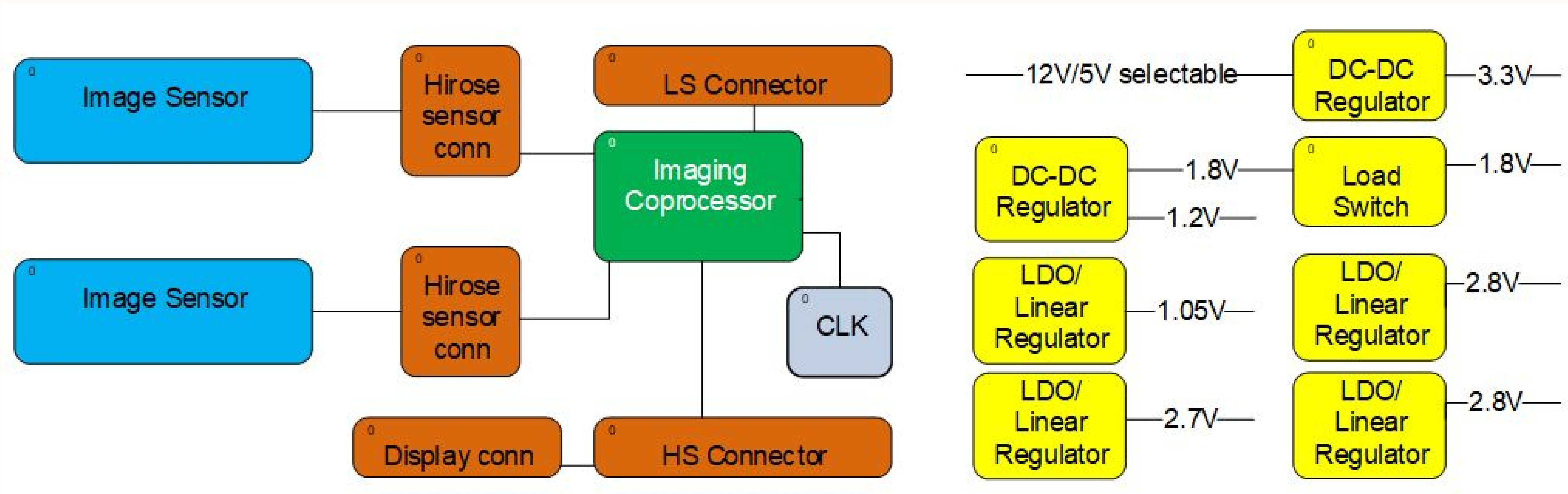
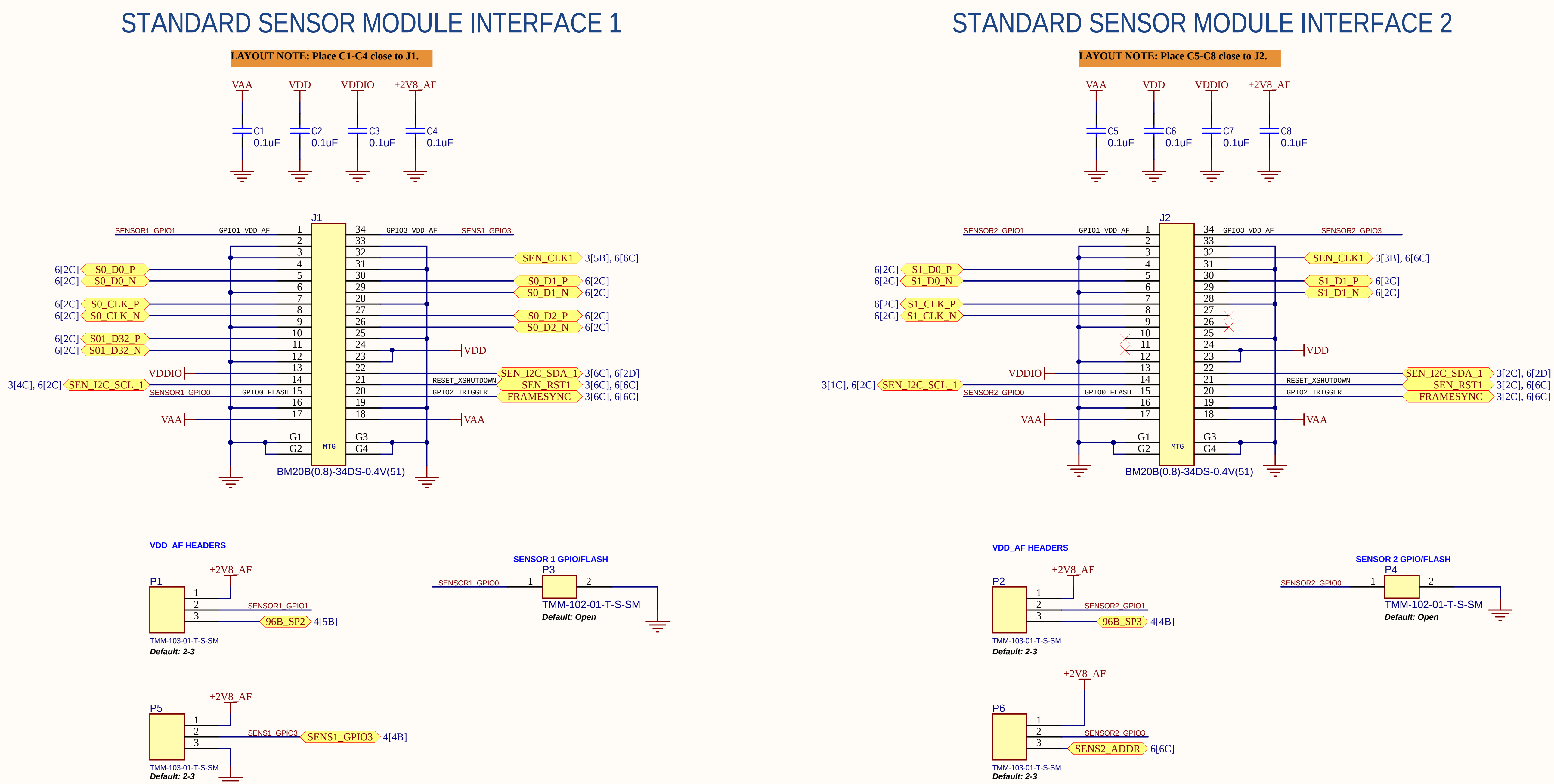


AVNET	Avnet Design Services			
Project Name: 96Boards On Semi Camera Mezzanine	PCB Rev: 1	BOM: 01	Variant: 00	
Doc Num: SCH-US1MEZ	Date: 3/6/2020	Time: 3:21:16 PM		
Sheet Title: 02 - Block Diagram.SchDoc	Size: B	Sheet: 2 of 7		

CAMERA INTERFACE CONNECTORS



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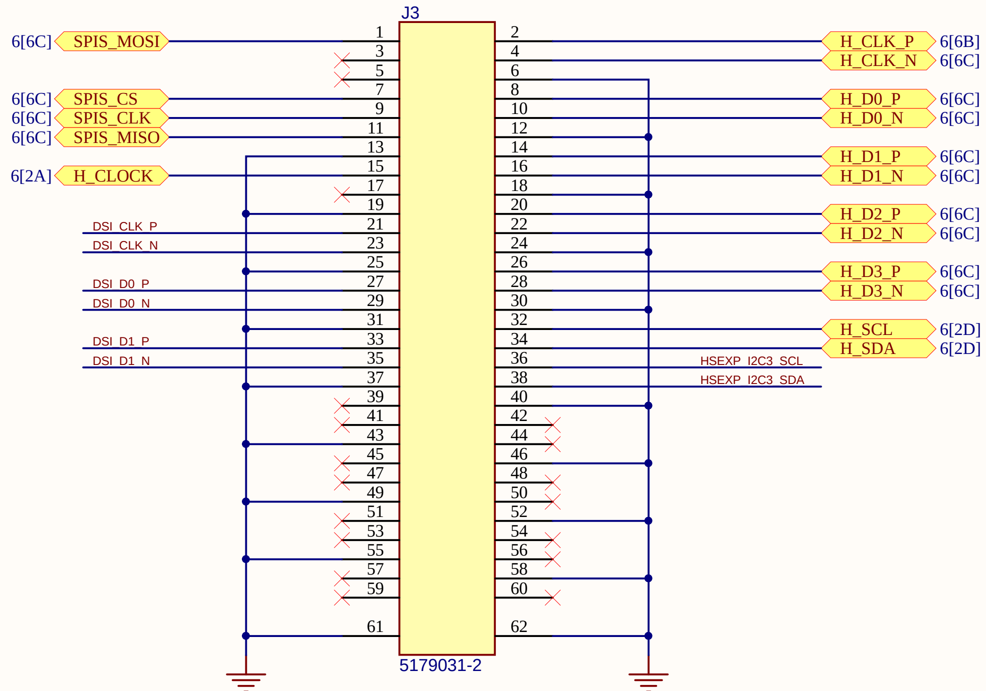
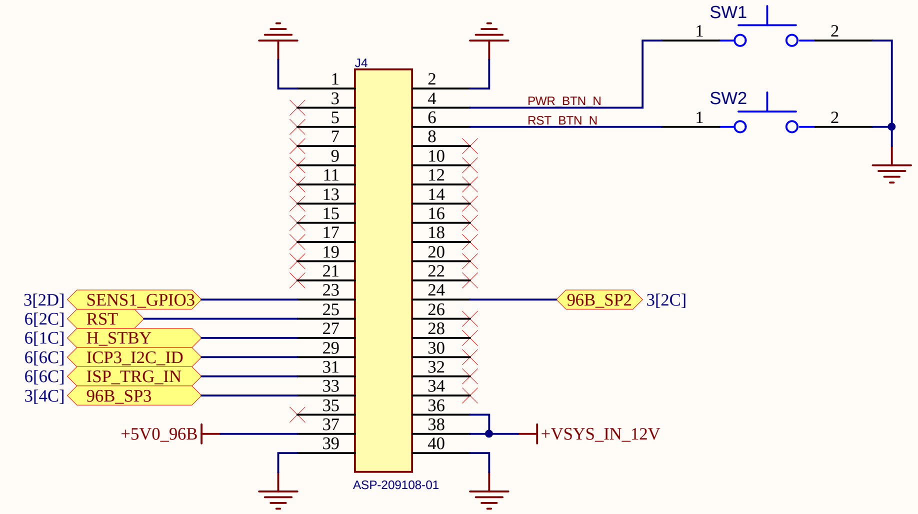
Project Name: 96Boards On Semi Camera Mezzanine		PCB Rev: 1	BOM: 01	Variant: 00
Doc Num: SCH-US1MEZ		Date: 3/6/2020	Time: 3:21:16 PM	
Sheet Title: 03 - Camera Sensor Interfaces.SchDoc		Size: B	Sheet: 3 of 7	

96BOARDS ON SEMI HS & LS EXPANSION HEADER

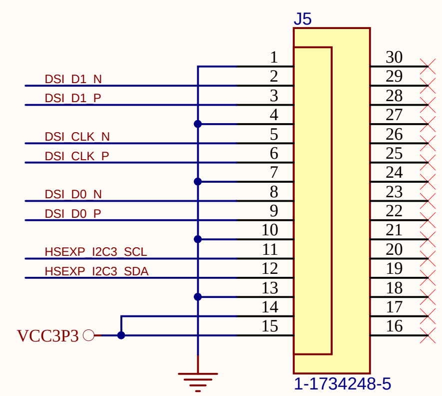
LS HEADER



HS HEADER



DISPLAY CONNECTOR



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96Boards On Semi Camera Mezzanine	1	01	00

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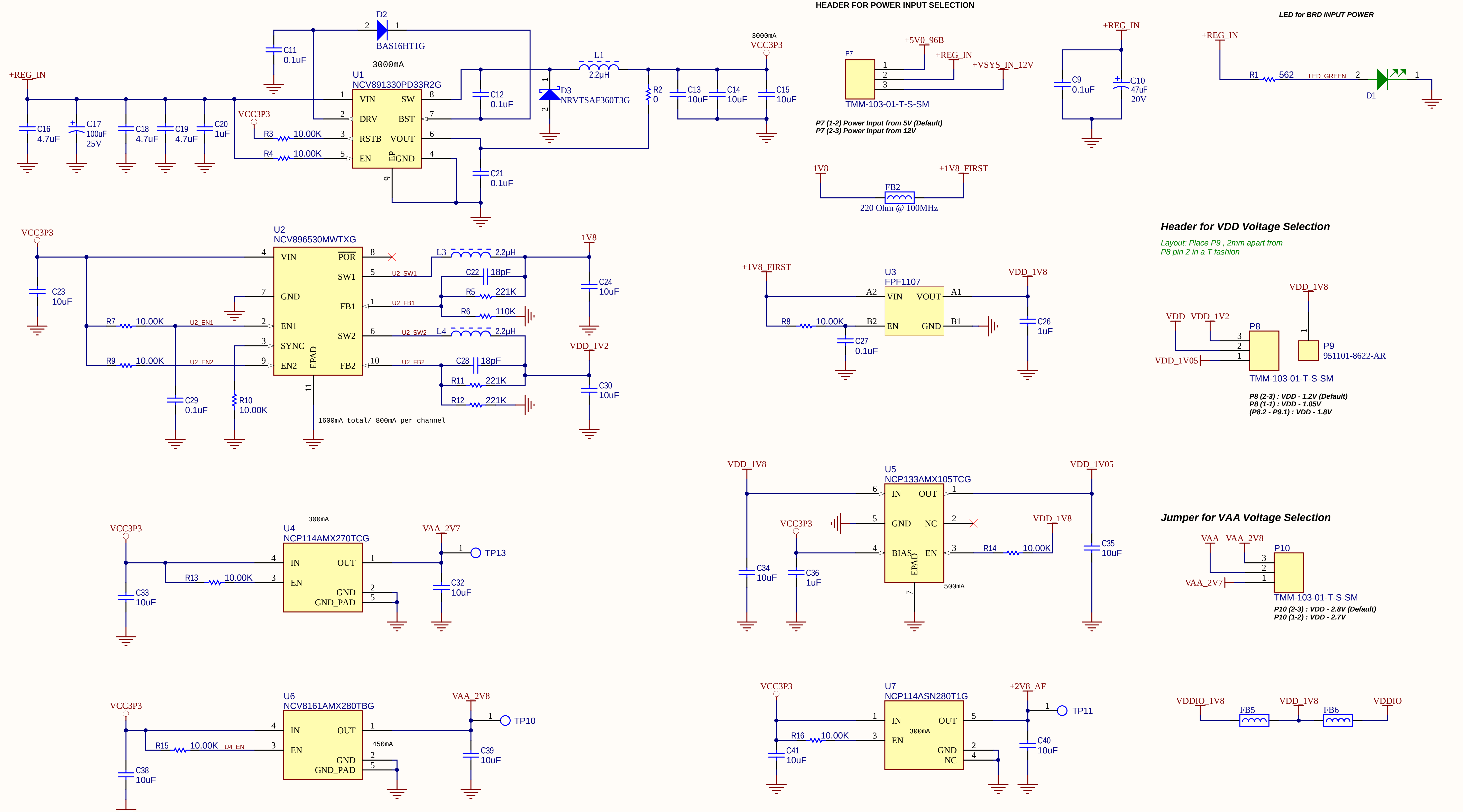
POWER



Script NOT executed

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Project Name: 96Boards On Semi Camera Mezzanine	PCB Rev: 1	BOM: 01	Variant: 00
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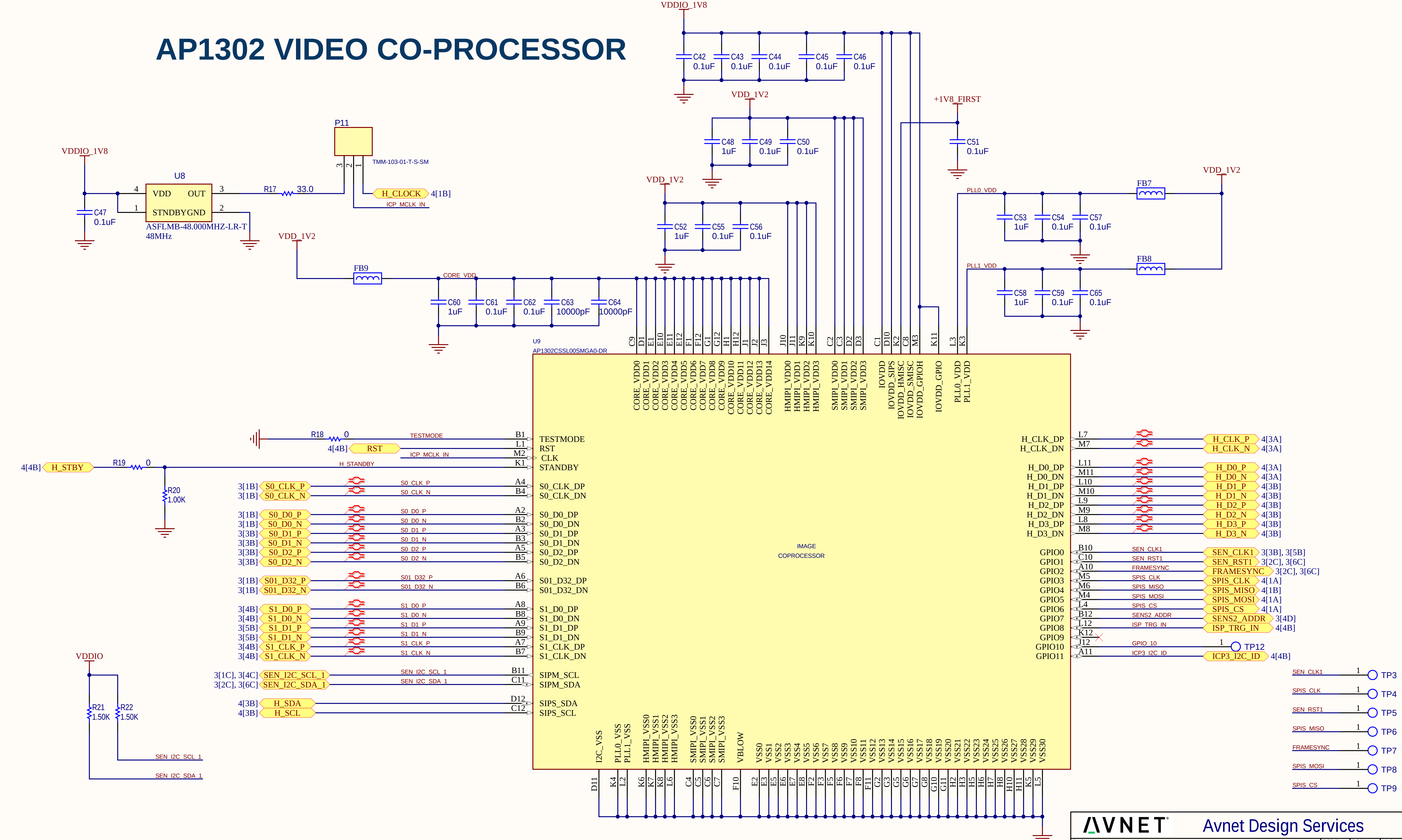
Sheet Title: 05 - Power Supplies.SchDoc	Size: B	Sheet: 5 of 7	

AP1302 VIDEO CO-PROCESSOR



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Project Name: 96Boards On Semi Camera Mezzanine	PCB Rev: 1	BOM: 01	Variant: 00		
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Sheet Title: 06 - AP1302 Image Coprocessor.SchDoc	Size: B	Sheet: 6 of 7			

Assembly:

Label1
BD-XXXX-XXXXX-G
Label, Product

Label2
XXXXXXX
Label, Serial Number

ESD1

ESD Bag

Label_ESD1
Label, ESD

SS1
[redacted]
Trash Can-Silk Screen

SS2
RoHS 2-Silk Screen

Mechanicals:


PCB

XXX-XXX-PCB-X
PCB PN (In Copper)

Camera1

CYY10-006A

Camera2

CYY10-006A

PT-LH008P

PT-LH008P

ADH1
3M

467MP

ADH2
3M

467MP

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	1
4	SPIS_MISO	HIGH-Z
5	SPIS_MOSI / 2ND_12C_SCL	0
6	SPIS_CS / 2ND_I2C_SDA	1
7	SPIM_CLK	HIGH-Z
8	SPIM_MISO	HIGH-Z
9	SPIM_MOSI	0
10	SPIM_CS	1
11	ICP3_I2C_ID	HIGH-Z

MECHANICALS

FD1 1 FIDUCIAL
FD2 1 FIDUCIAL
FD3 1 FIDUCIAL
FD4 1 FIDUCIAL
FD5 1 FIDUCIAL
FD6 1 FIDUCIAL

MOUNTING HOLES

MH1 1
MH5 1
MH3 1
MH2 1

MECH5 91800A087
MECH6 91800A087
MECH7 91800A087
MECH8 91800A087

MECH1 90940A210
MECH2 90940A210
MECH3 90940A210
MECH4 90940A210

MECH9 91828A004
MECH11 91828A004
MECH12 91828A004
MECH10 91828A004

TEST POINTS

SYSTEM GROUND

TP1 1
TP2 1

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