Power
Camera_Shield_Power.SchDoc

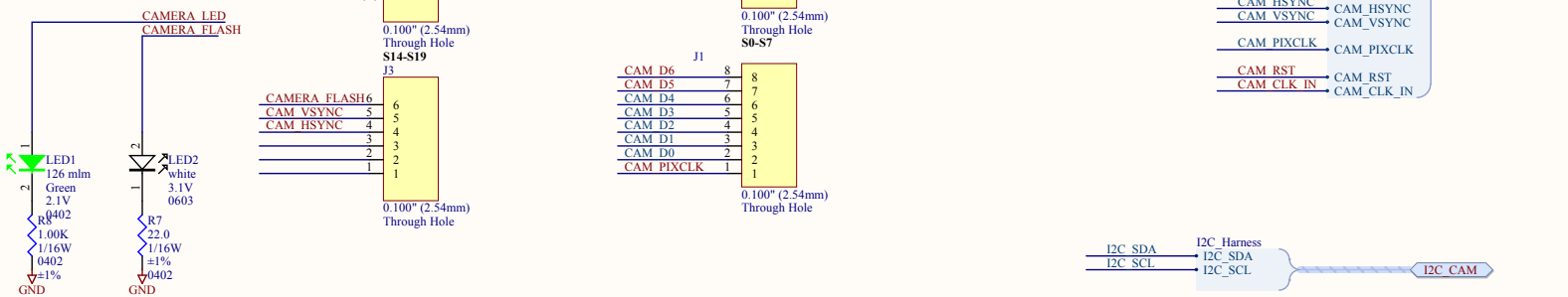
Headers
Camera_Shield_Headers.SchDoc

CAMERA
I2C_CAM

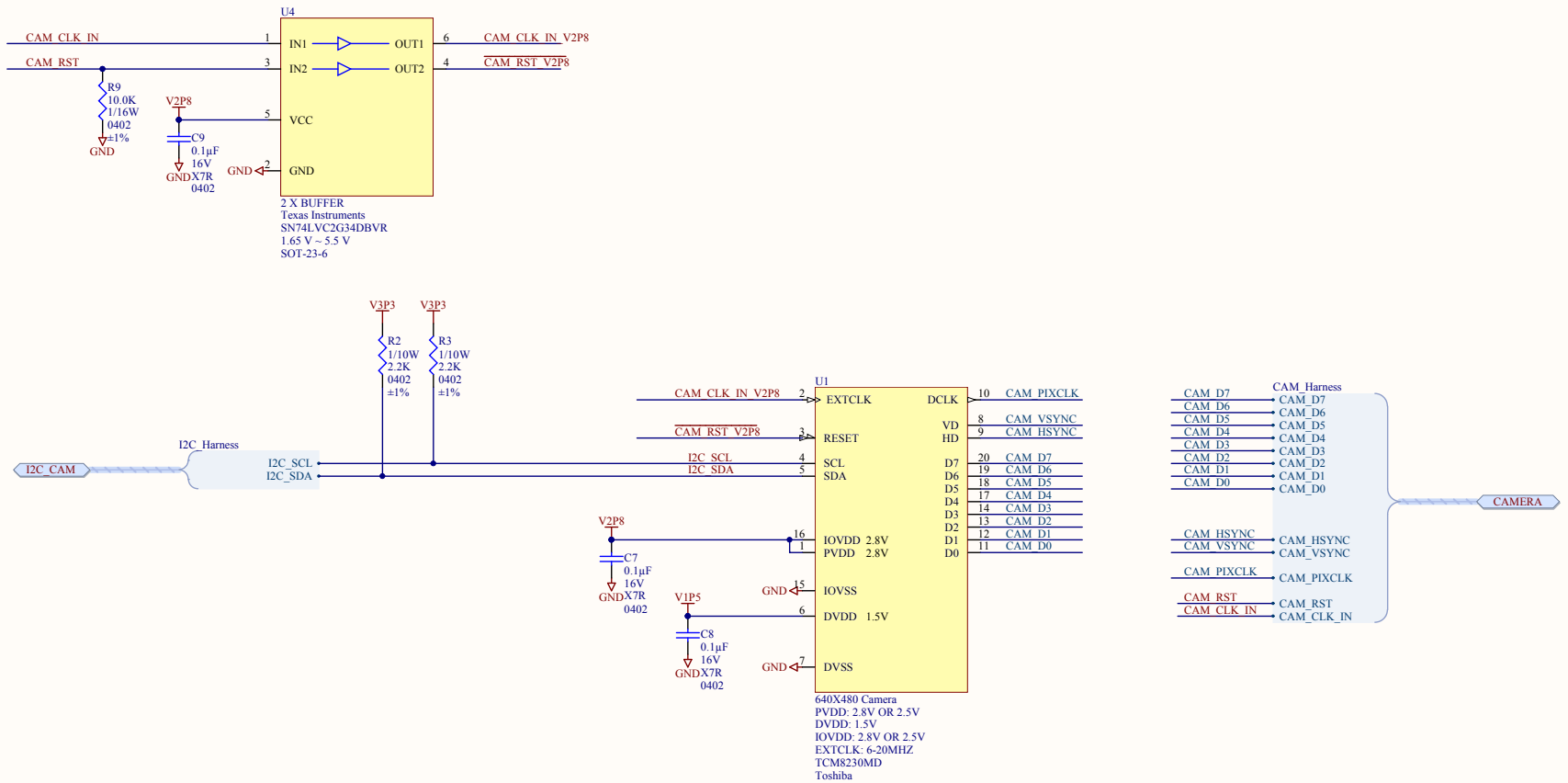
Camera_Interface
Camera_Shield_Camera_Interface.SchDoc

CAMERA
I2C_CAM

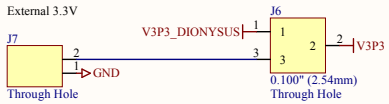
Title:	Block Diagram		Cospan Design http://www.cospandesign.com
Project:	Dionysus_Camera_Expansion.PrjPCB		
Document:	Camera_Shield_Main.SchDoc		
Engineer:	David McCoy		
Drawn By:	David McCoy		
Approved By:	*	Revision:	.revision
Date:	*	Number:	1 of 4

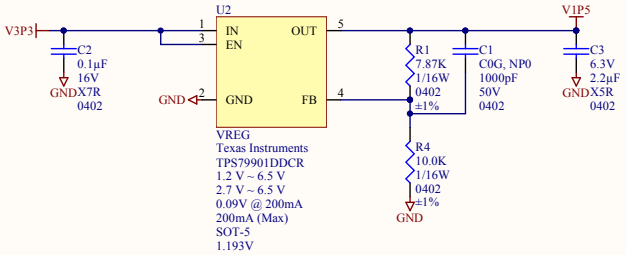


Title:	**Shield Headers**		**Cospan Design** http://www.cospandesign.com
Project:	**Dionysus_Camera_Expansion.PrjPCB**		
Document:	**Camera_Shield_Headers.SchDoc**		
Engineer:	**David McCoy**		
Drawn By:	**David McCoy**		
Approved By:	*	**Revision:**	.revision
Date:	*	**Number:**	2 of 4



Title:	**Camera Interface**		**Cospan Design** http://www.cospandesign.com
Project:	**Dionysus_Camera_Expansion.PrjPCB**		
Document:	**Camera_Shield_Camera_Interface.SchDoc**		
Engineer:	**David McCoy**		
Drawn By:	**David McCoy**		
Approved By:	*	**Revision:**	.revision
Date:	*	**Number:**	3 of 4

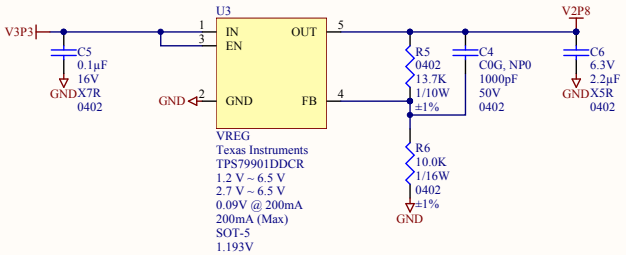




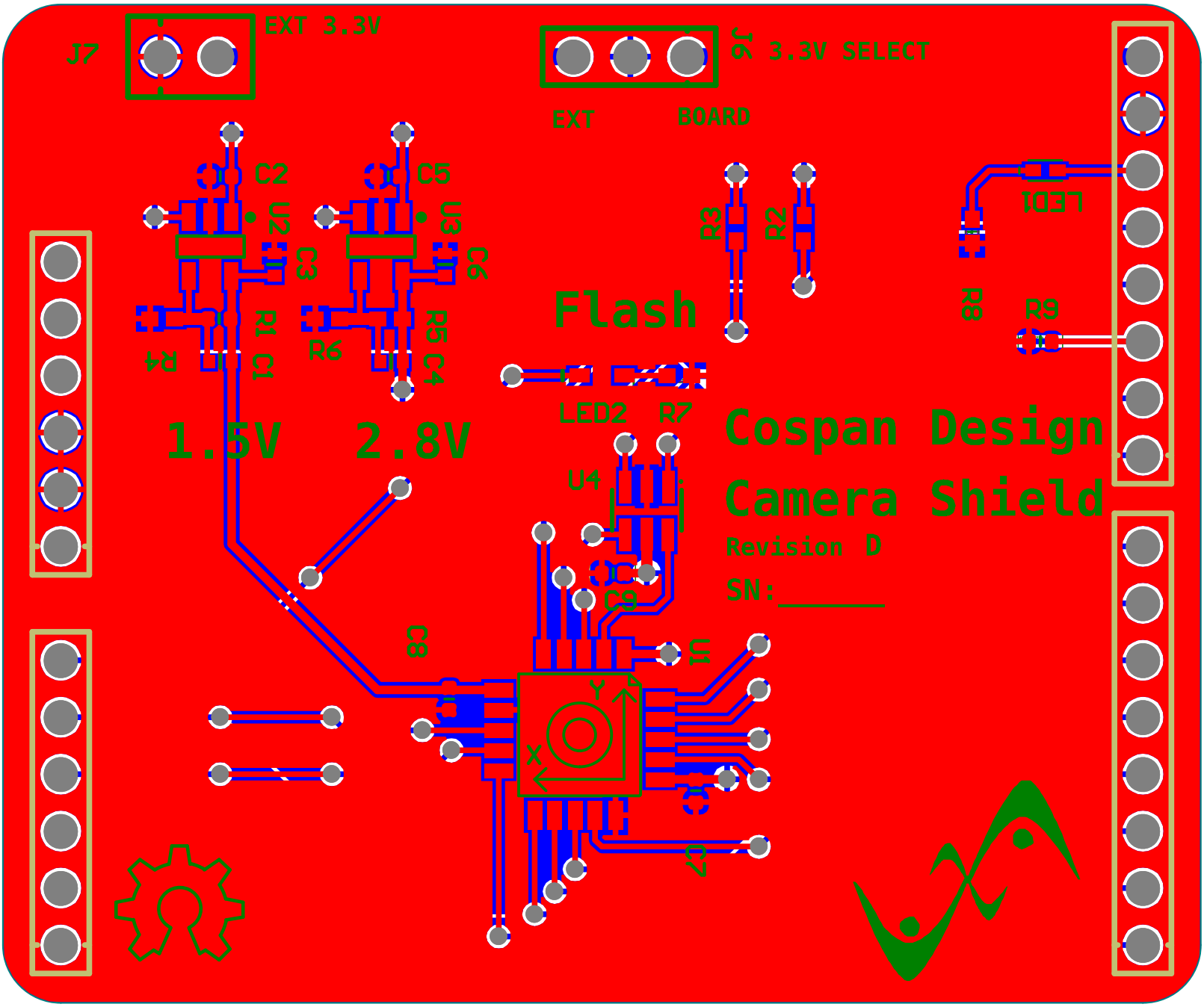
Voltage Setting Equation:

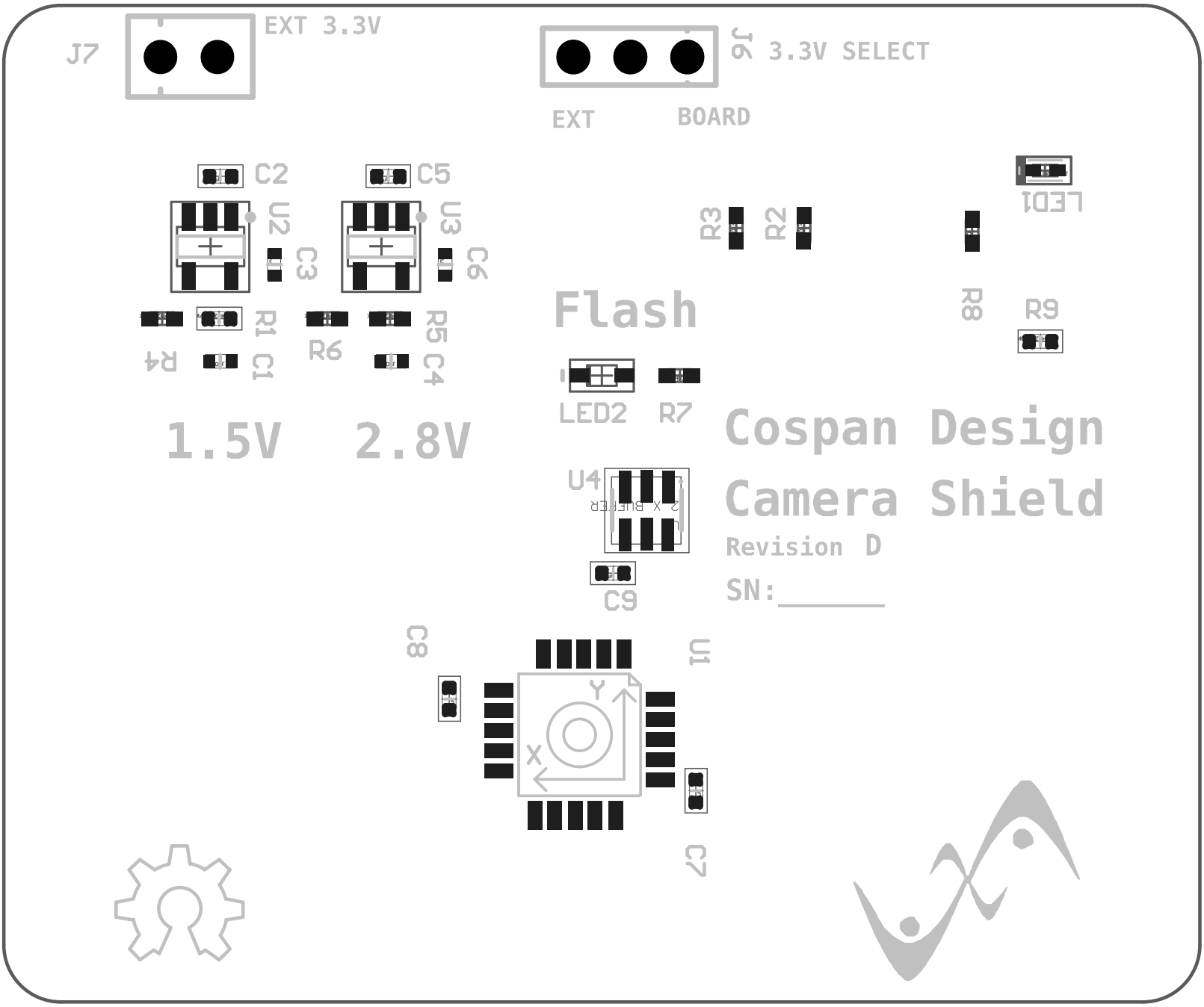
Vout = (R1 + R2)/R2*1.193V

1.5V:R1 = 7.87K, R2 = 10K
2.8V: R1 = 13.7K, R2 = 10K



Title:	**Power**		**Cospan Design** **http://www.cospandesign.com**
Project:	**Dionysus_Camera_Expansion.PrjPCB**		
Document:	**Camera_Shield_Power.SchDoc**		
Engineer:	**David McCoy**		
Drawn By:	**David McCoy**		
Approved By:	*****	**Revision:**	**.revision**
Date:	*****	**Number:**	**4 of 4**


J7
EXT 3.3V
J6
3.3V SELECT
EXT
BOARD
C2
C5
U2
U3
C3
C6
R1
R5
R4
R6
C1
C4
1.5V
2.8V
R3
R2
LED1
R8
R9
Flash
LED2
R7
U4
Cospan Design
Camera Shield
Revision D
SN:_____
C9
C8
U5
Y
X
C7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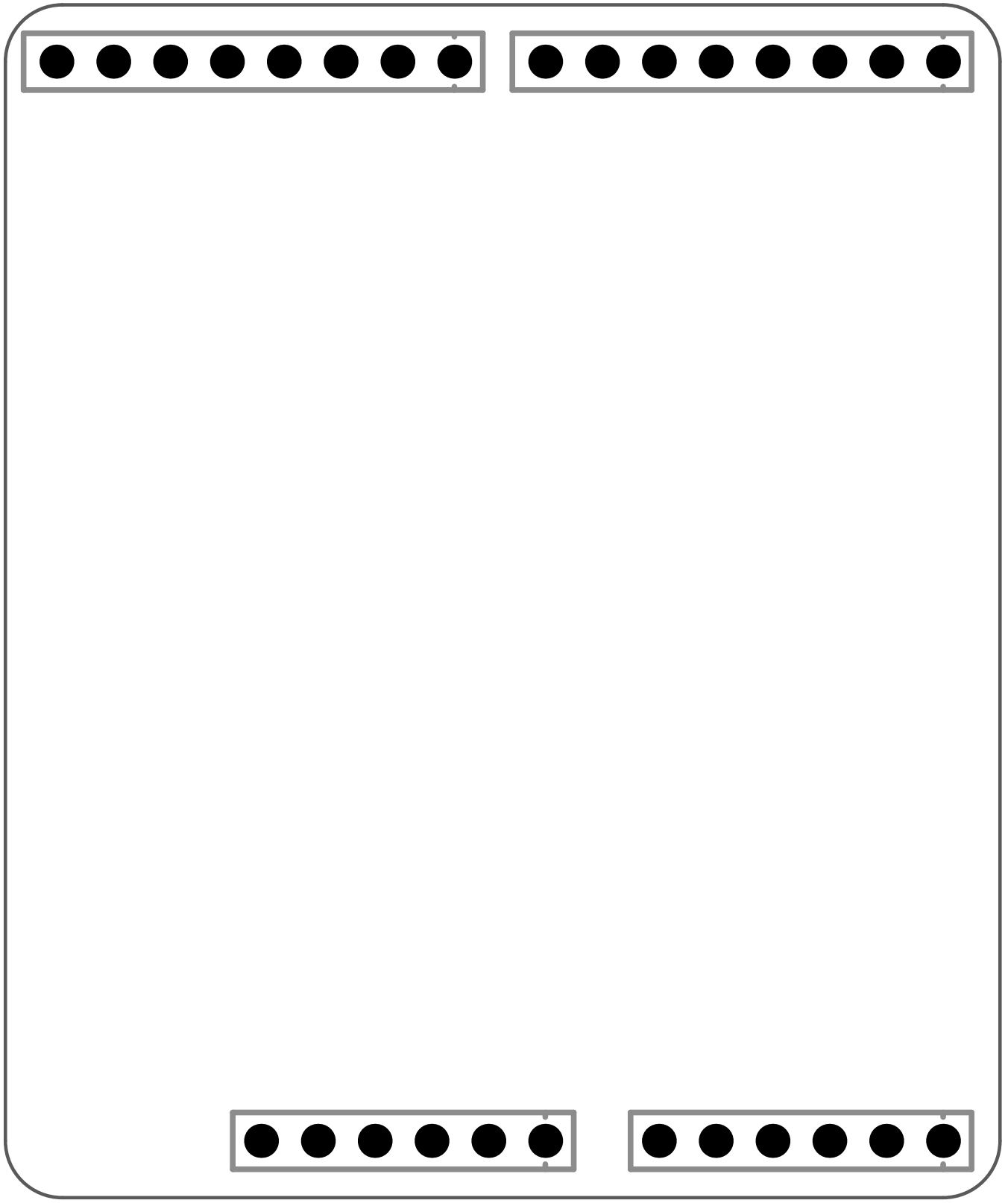
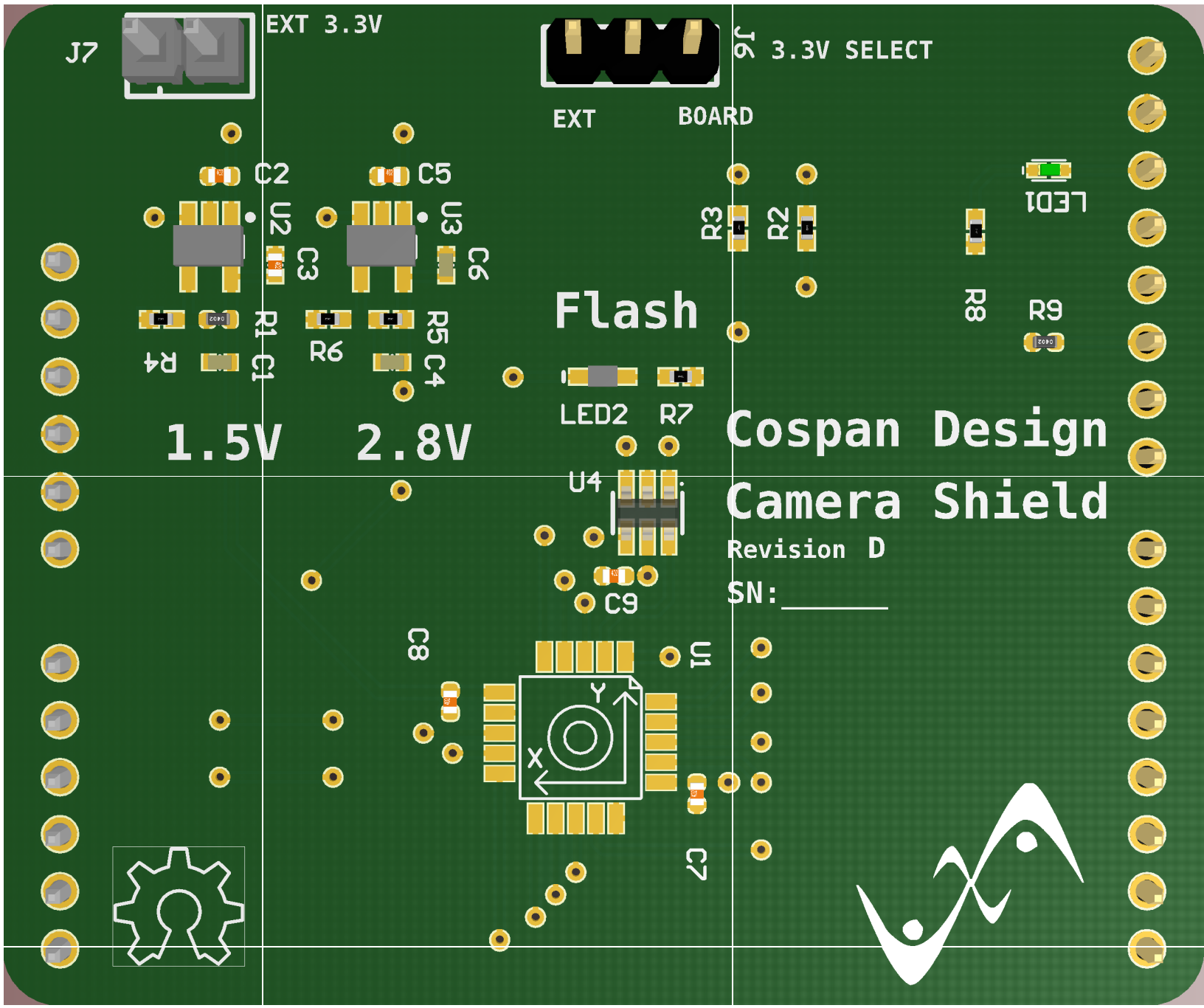
J6
3.3V SELECT
EXT
BOARD
C2
C5
U2
U3
C3
C6
R1
R5
R6
C1
C4
R4
1.5V
2.8V
R3
R2
LED1
R8
R9
Flash
LED2
R7
U4
2 X BUFFER
C9
Cospan Design
Camera Shield
Revision D
SN:_____
C8
U1
Y
X
C7




J7
EXT 3.3V
J6
3.3V SELECT
EXT
BOARD
C2
C5
U2
U3
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C6
R1
R5
R6
R4
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C4
1.5V
2.8V
R3
R2
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R8
R9
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U4
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C8
U1
Y
X
C7
Cospan Design
Camera Shield
Revision D
SN:_____