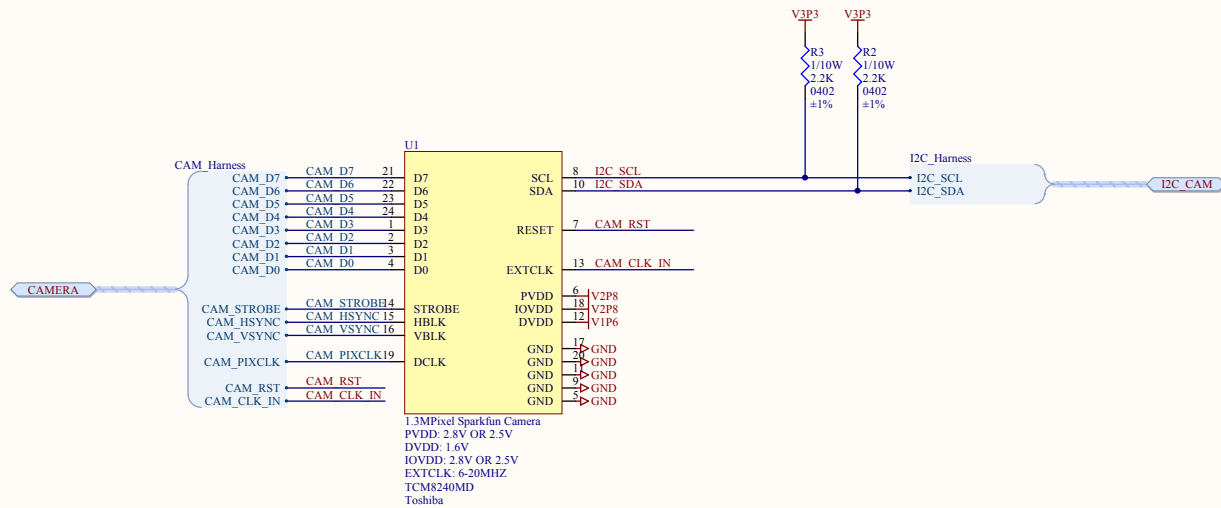

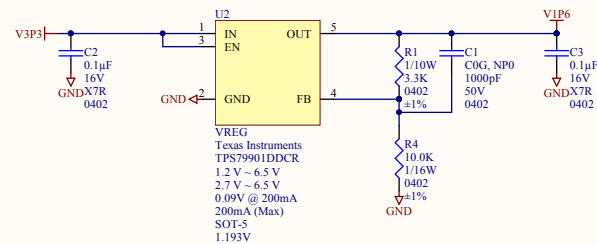


Title:	Shield Headers	Cospan Design http://www.cospandesign.com
Project:	Dionysus_Camera_Expansion.PrjPCB	
Document:	Camera_Shield_Headers.SchDoc	
Engineer:	David McCoy	
Drawn By:	David McCoy	
Approved By:*	Revision: .revision	
Date:	* Number: 2 of 4	





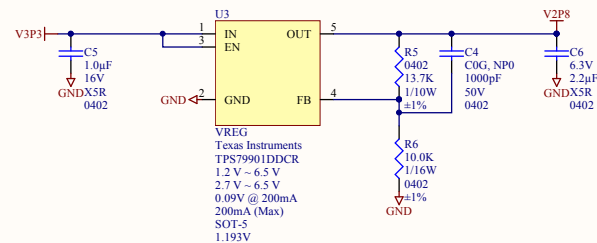
Title:	Camera Interface	Cospan Design http://www.cospandesign.com
Project:	Dionysus_Camera_Expansion.PrjPCB	
Document:	Camera_Shield_Camera_Interface.SchDoc	
Engineer:	David McCoy	
Drawn By:	David McCoy	
Approved By:*	Revision: .revision	
Date:	* Number: 3 of 4	




Voltage Setting Equation:

$$V_{out} = (R1 + R2) / R2 * 1.193V$$

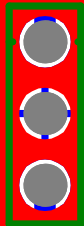
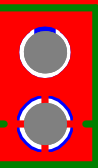
1.6V: R1 = 3.3K, R2 = 10K
2.8V: R1 = 13.7K, R2 = 10K



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	

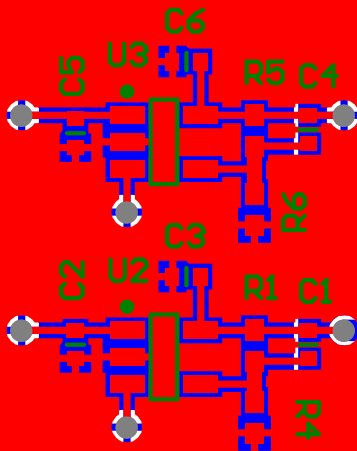
J7

EXT 3.3V



EXT 3.3V SELECT

EXT BOARD

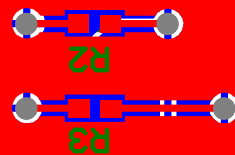


1.6V 2.8V

Flash

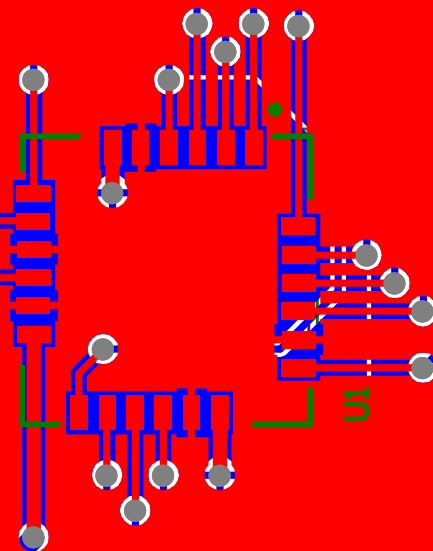


LED2 R7

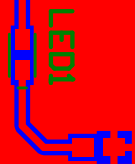


R2 R3

1.3MPixel Sparkfun Camera



U1



R8

LED1

Cospan Design Camera Shield

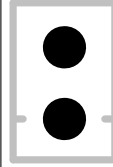
Revision 3

SN: _____



J7

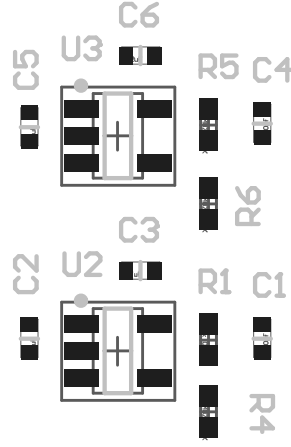
EXT 3.3V



EXT 3.3V SELECT



EXT BOARD



LED1



R8

Flash



LED2



R7



R2



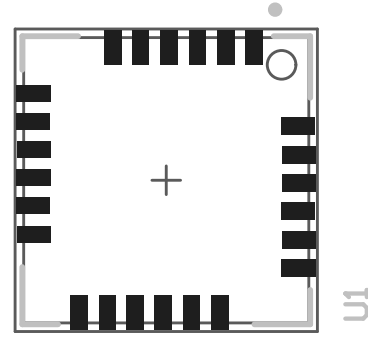
R3

Revision 3
SN: _____

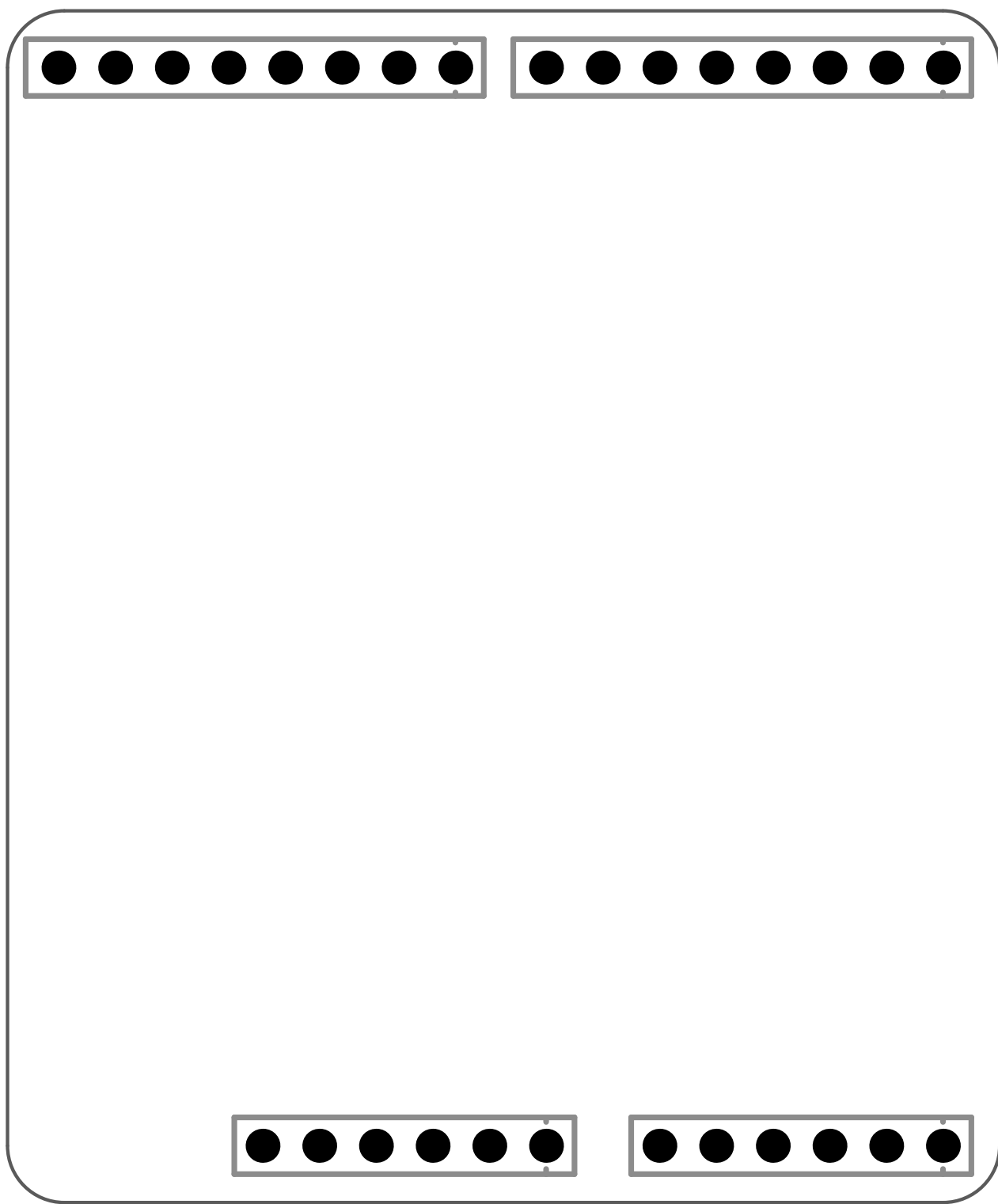
Cospan Design Camera Shield



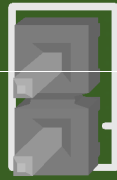
1.3MPixel Sparkfun Camera



U1



J7

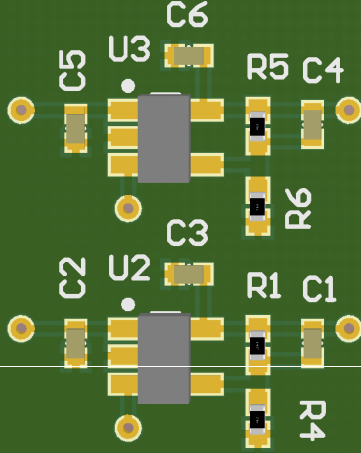


EXT 3.3V



J6 3.3V SELECT

EXT BOARD



1.6V 2.8V

Flash



LED2 R7



R2 R3



LED1



R8

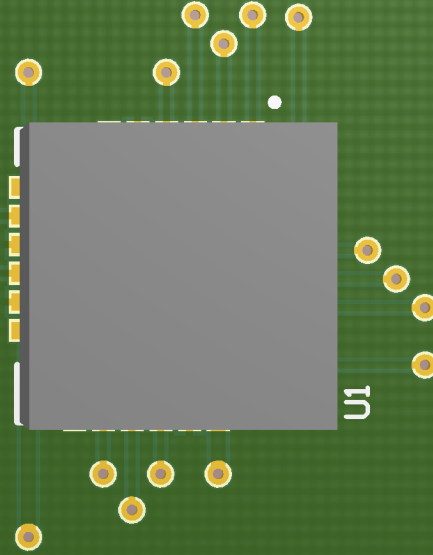
Cospan Design Camera Shield

Revision 3

SN: _____



1.3MPixel Sparkfun Camera



U1