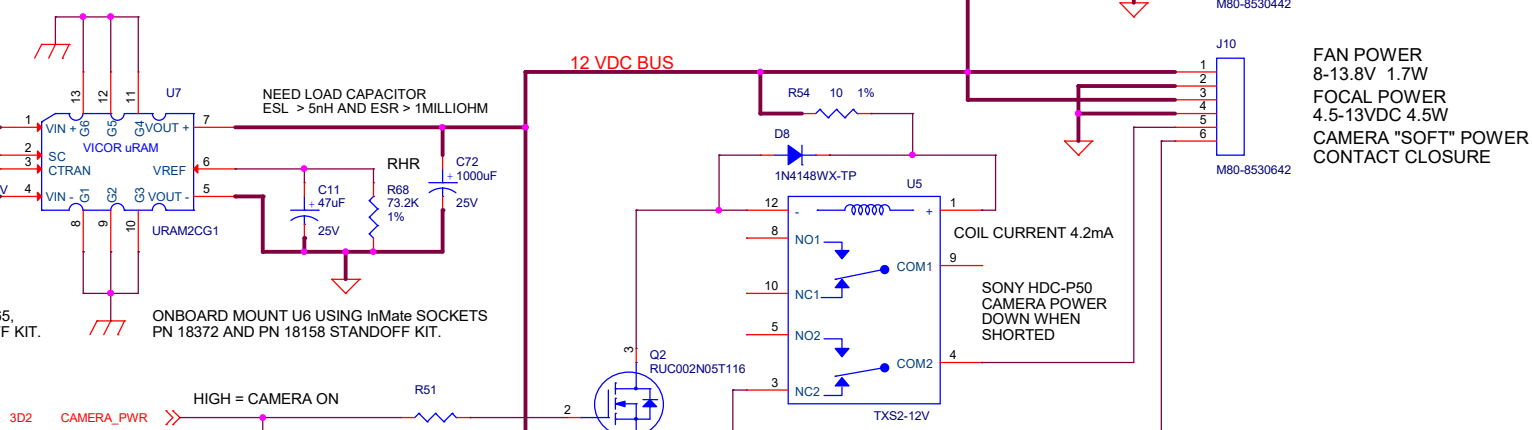
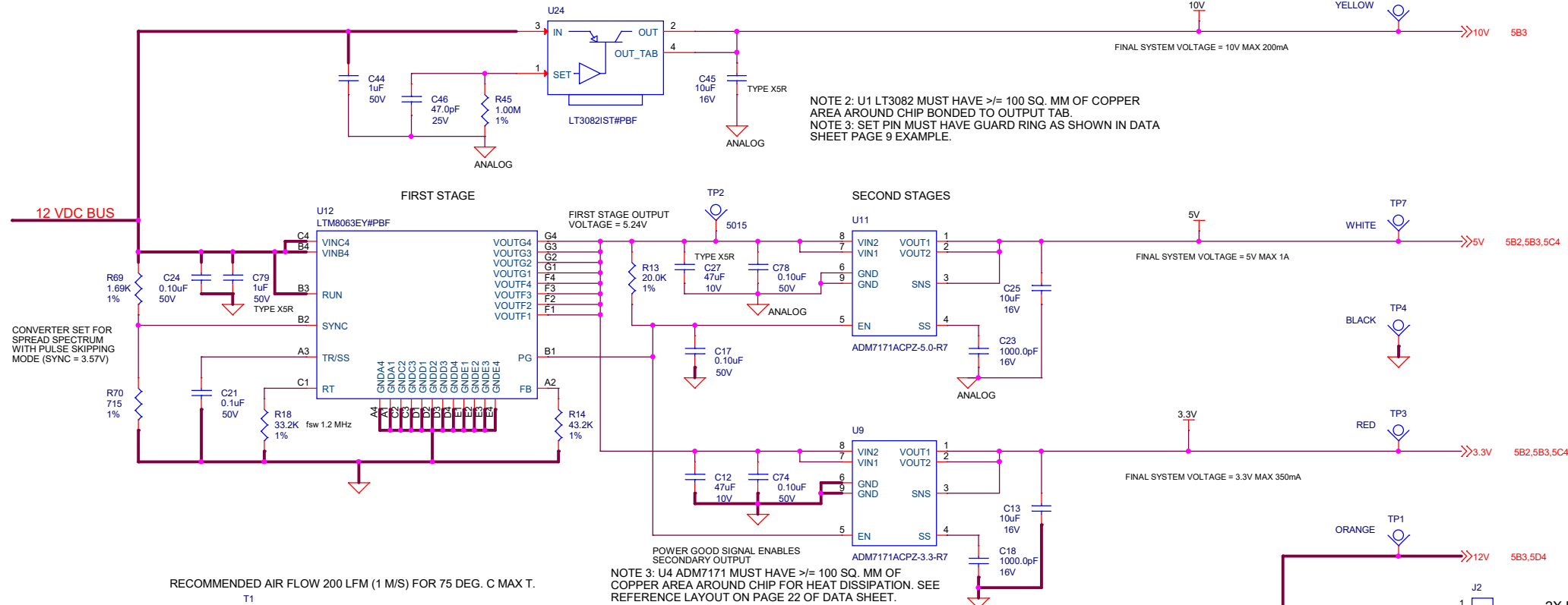
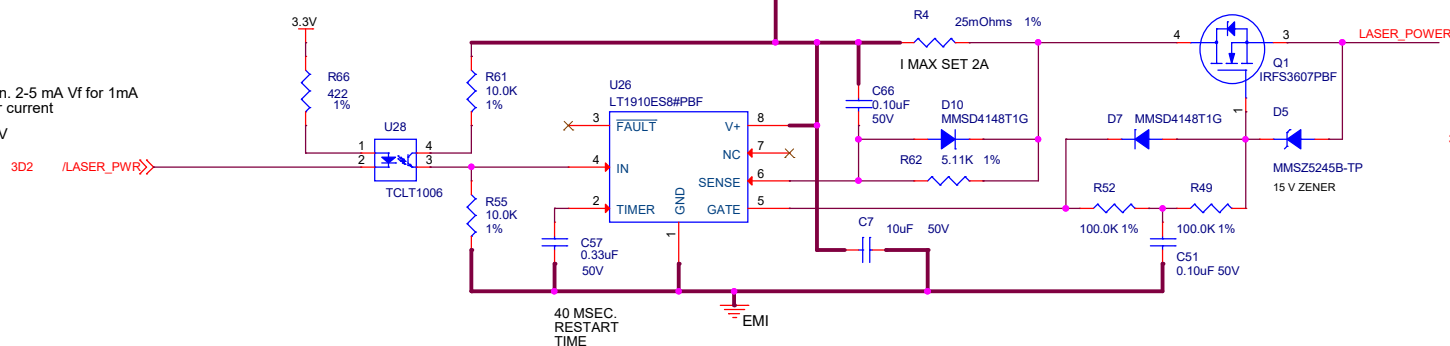


need min. 2-5 mA Vf for 1mA collector current
Vf ~ 1.2V



REVISION HISTORY:
REV. A 11NOV20 - INITIAL RELEASE. MRC
REV. A 07JAN21 - POST LAYOUT/BACK ANNOTATION VERSION.

NOTE 4: CONSTRUCT PCB FROM 0.062" FR4 USING 2 OZ. COPPER FOR THE POWER AND GND HIGH CURRENT TRACES. 12 V POWER AND GND PATH TO BE 200 MIL TRACES MINIMUM BETWEEN J1/J3 AND J5. (FINAL LAYOUT USED 10Z COPPER IN SUPER WIDE TRACES AND FILLS).

MAXIMUM PCB THICKNESS 0.071 INCHES.
SEPERATE ANALOG POWER AND GND WITH ONE COMMON CONNECTION.

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MOSS LANDING, CA 95039

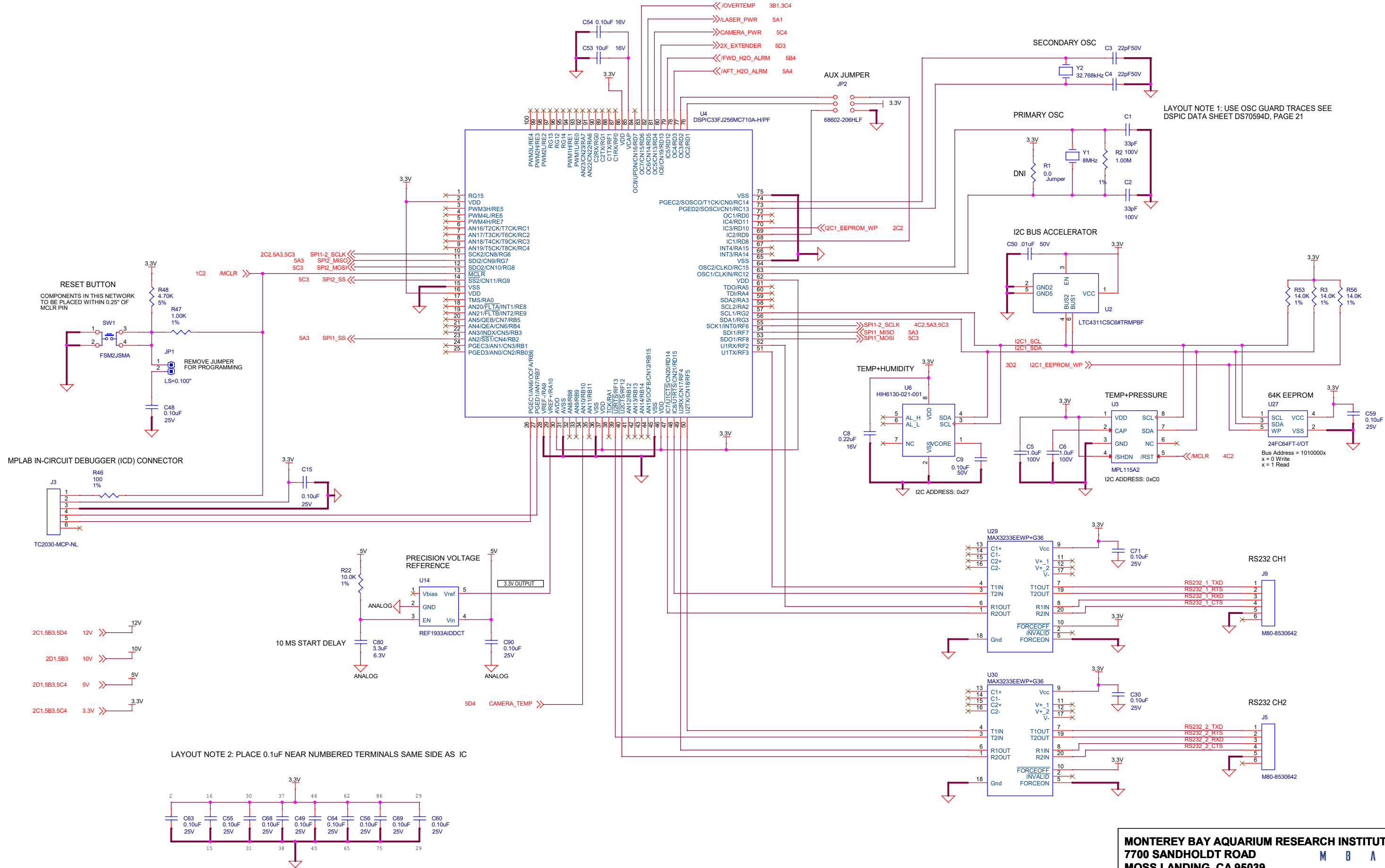
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Title **4K ROV CAMERA POWER SUPPLY**

Size	Engineer: Mark Chaffey EMAIL: chma@mbari.org	Number 100221507-03-A-SCH	Rev A
Date: Monday, January 25, 2021	Filename NA	Sheet 1 of 4	



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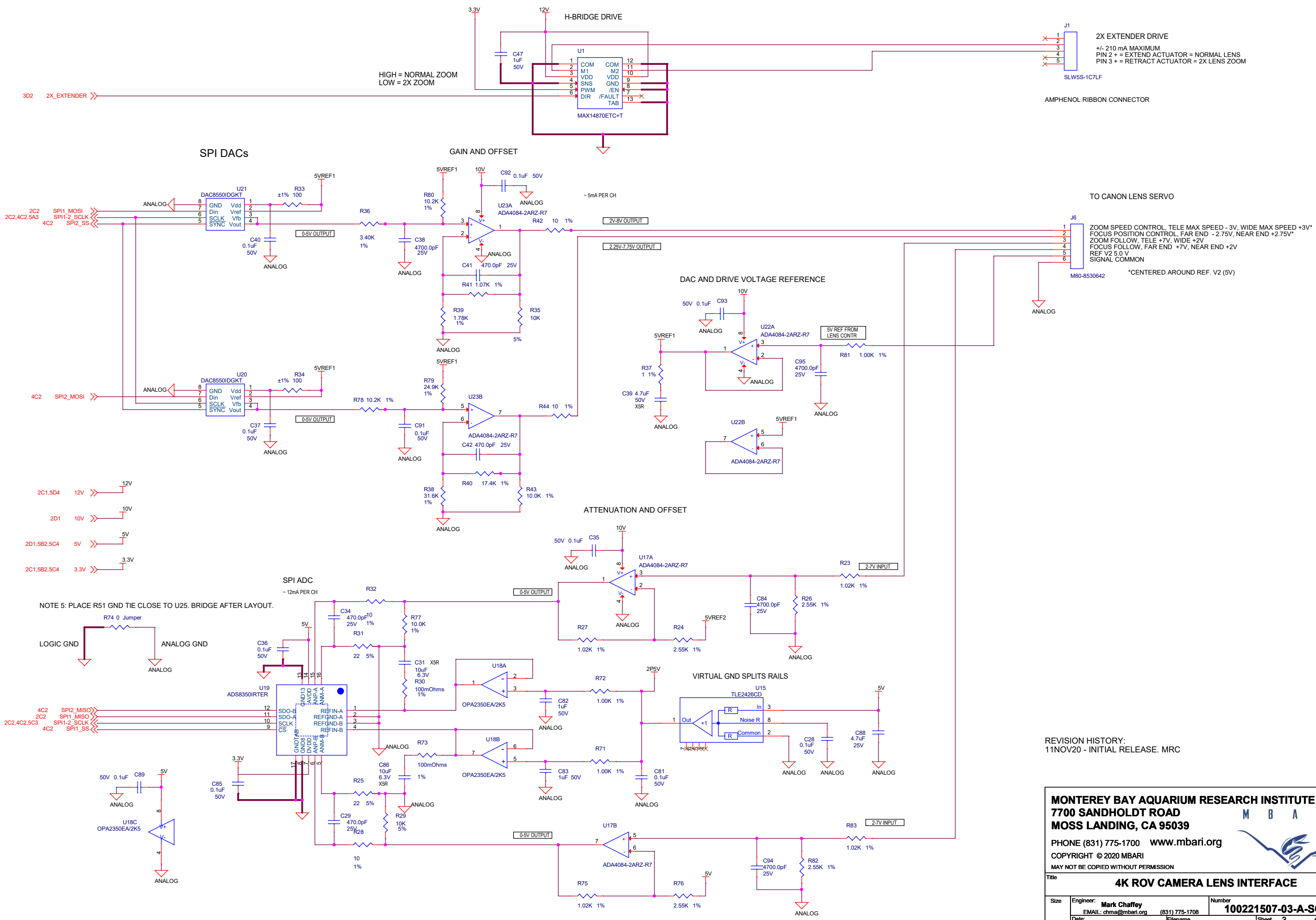
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Title 4K ROV CAMERA CONTROLLER				
Size	Engineer: Mark Chaffey EMAIL: chma@mbari.org	Number 100221507-03-A-SCH	Rev A	
Date: Thursday, January 07, 2021	Filename NA	Sheet 2	of 4	

REVISION HISTORY:
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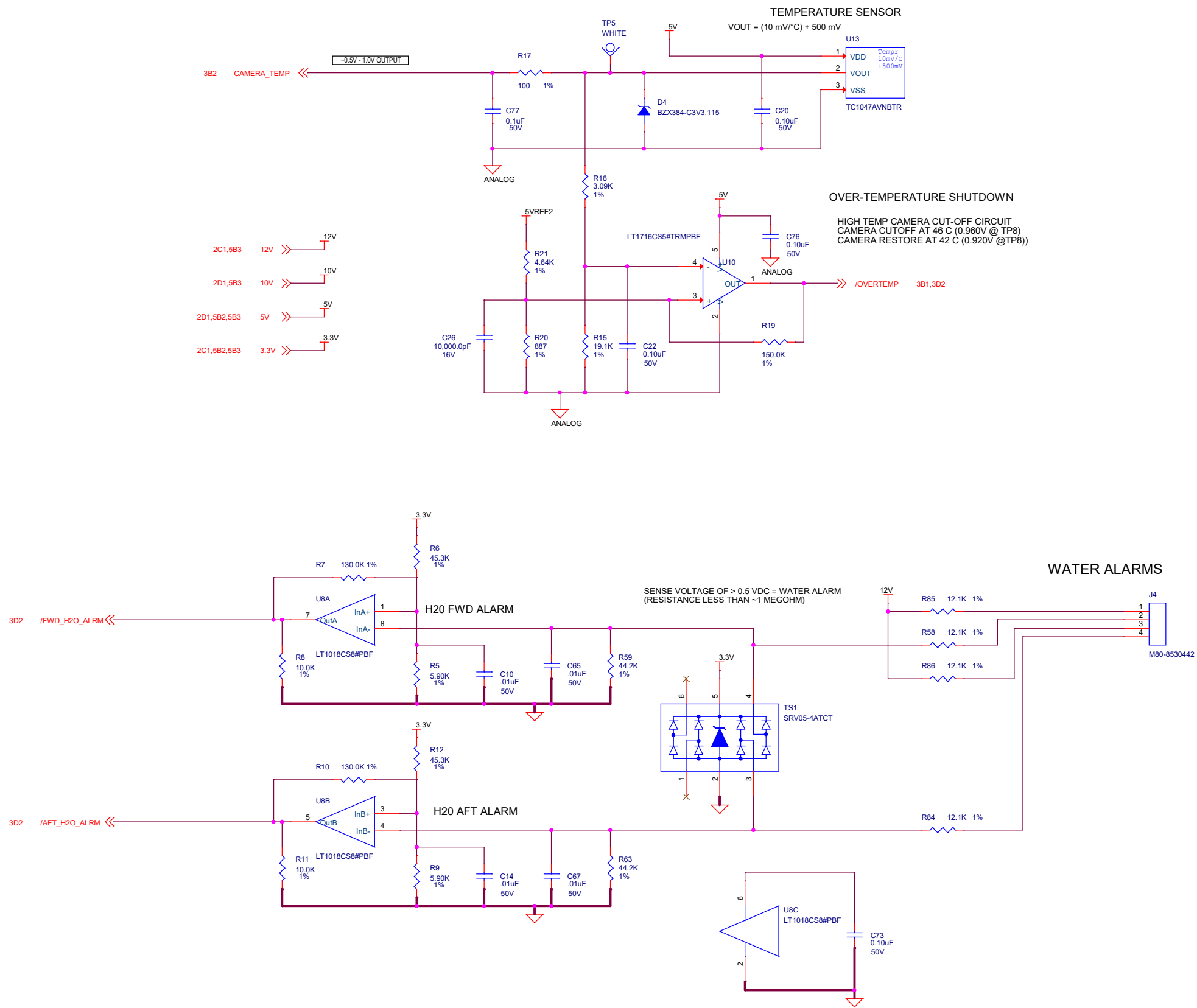
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Title

4K ROV CAMERA LENS INTERFACE

Size	Engineer: Mark Chaffey EMAIL: chma@mbari.org	Number	100221507-03-A-SCH	Rev	A
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4K ROV CAMERA ENVIRONMENTAL SENSORS

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Date:	Thursday, January 07, 2021	Filename	NA	Sheet	4 of 4