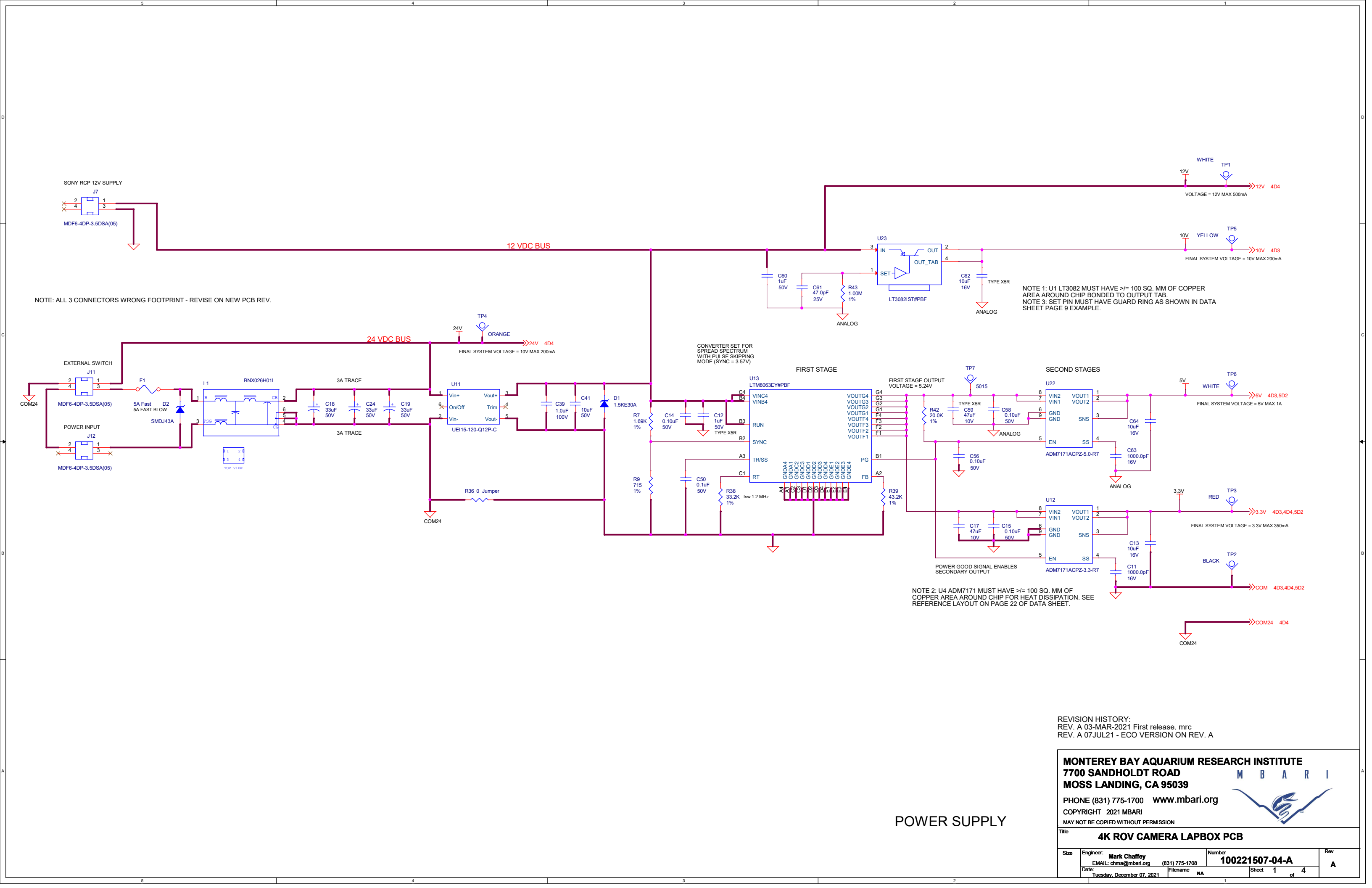




NOTE: ALL 3 CONNECTORS WRONG FOOTPRINT - REVISE ON NEW PCB REV.

NOTE 1: U1 LT3082 MUST HAVE ≥ 100 SQ. MM OF COPPER AREA AROUND CHIP BONDED TO OUTPUT TAB.
NOTE 3: SET PIN MUST HAVE GUARD RING AS SHOWN IN DATA SHEET PAGE 9 EXAMPLE.

CONVERTER SET FOR SPREAD SPECTRUM WITH PULSE SKIPPING MODE (SYNC = 3.57V)

FIRST STAGE

SECOND STAGES

NOTE 2: U4 ADM7171 MUST HAVE ≥ 100 SQ. MM OF COPPER AREA AROUND CHIP FOR HEAT DISSIPATION. SEE REFERENCE LAYOUT ON PAGE 22 OF DATA SHEET.

REVISION HISTORY:
REV. A 03-MAR-2021 First release. mrc
REV. A 07JUL21 - ECO VERSION ON REV. A

POWER SUPPLY

MONTEREY BAY AQUARIUM RESEARCH INSTITUTE

7700 SANDHOLDT ROAD

MOSS LANDING, CA 95039

PHONE (831) 775-1700 www.mbari.org

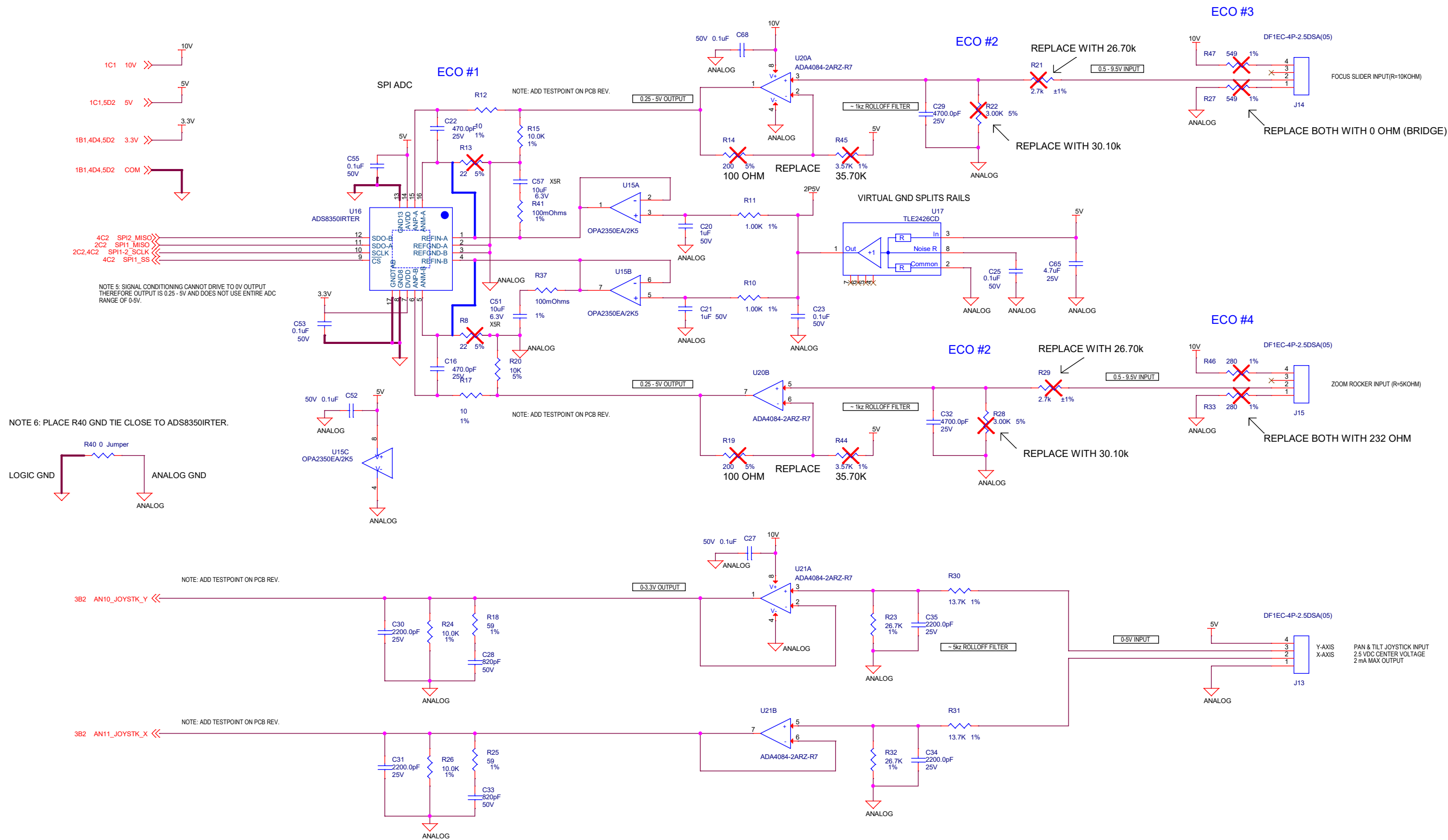
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Title				
4K ROV CAMERA LAPBOX PCB				
Size	Engineer: Mark Chaffey EMAIL: chma@mbari.org	Number	100221507-04-A	
Date:	Tuesday, December 07, 2021	Filename	NA	Rev A
		Sheet	1 of 4	



REVISION HISTORY:
REV. A 03-MAR-2021 First release. mrc
REV. A 07JUL21 - ECO VERSION ON REV. A

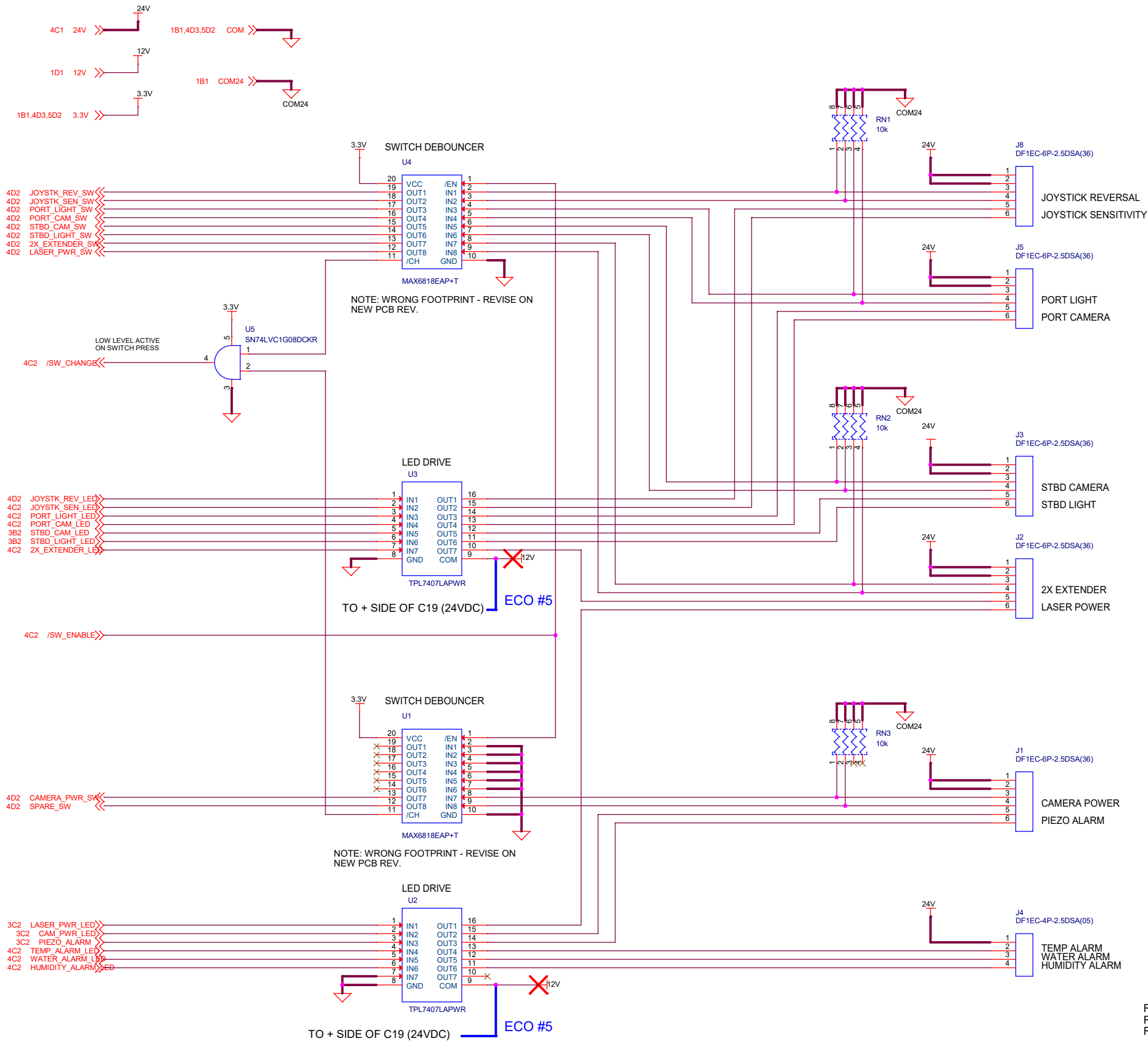
ANALOG INPUT

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4K ROV CAMERA LAPBOX PCB

Size	Engineer: Mark Chaffey EMAIL: chma@mbari.org Date: Tuesday, December 07, 2021	Number 100221507-04-A (831) 775-1708 Filename: NA	Rev A
Sheet 2 of 4			



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REV. A 03-MAR-2021 First release. mrc
REV. A 07JUL21 - ECO VERSION ON REV. A

DIGITAL I/O

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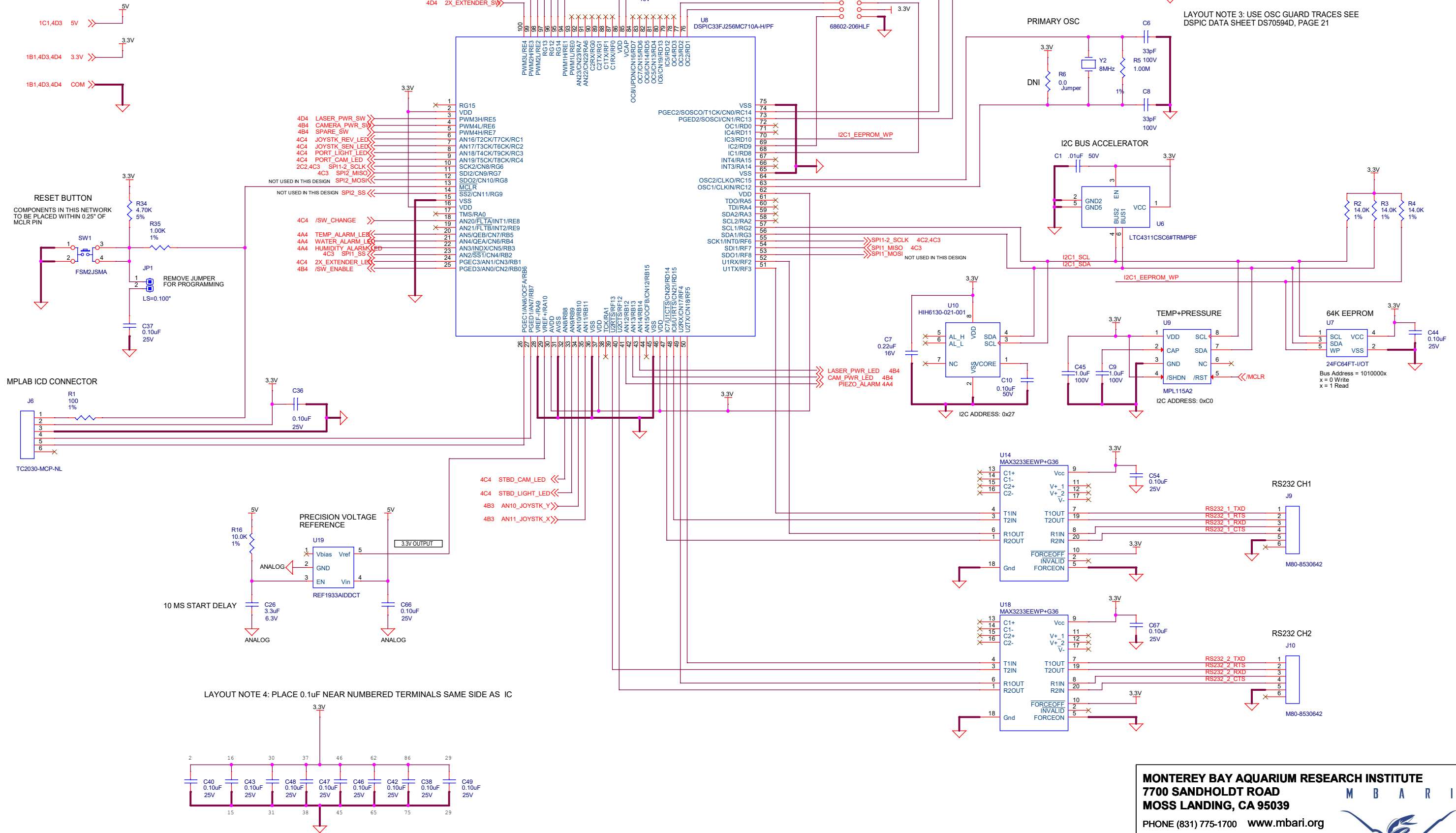
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Title4K ROV CAMERA LAPBOX PCB

Size	Engineer: Mark Chaffey EMAIL: chma@mbari.org	Number100221507-04-A	RevA
Date: Tuesday, December 07, 2021	FilenameNA	Sheet3 of 4	



MICRO PROCESSOR, ENVIRON. SENSORS AND EIA 232

REVISION HISTORY:
REV. A 03-MAR-2021 First release. mrc
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Title 4K ROV CAMERA LAPBOX PCB			
Size	Engineer: Mark Chaffey EMAIL: chma@mbari.org	Number 100221507-04-A	Rev A
Date: Tuesday, July 13, 2021	Filename NA	Sheet 4 of 4	