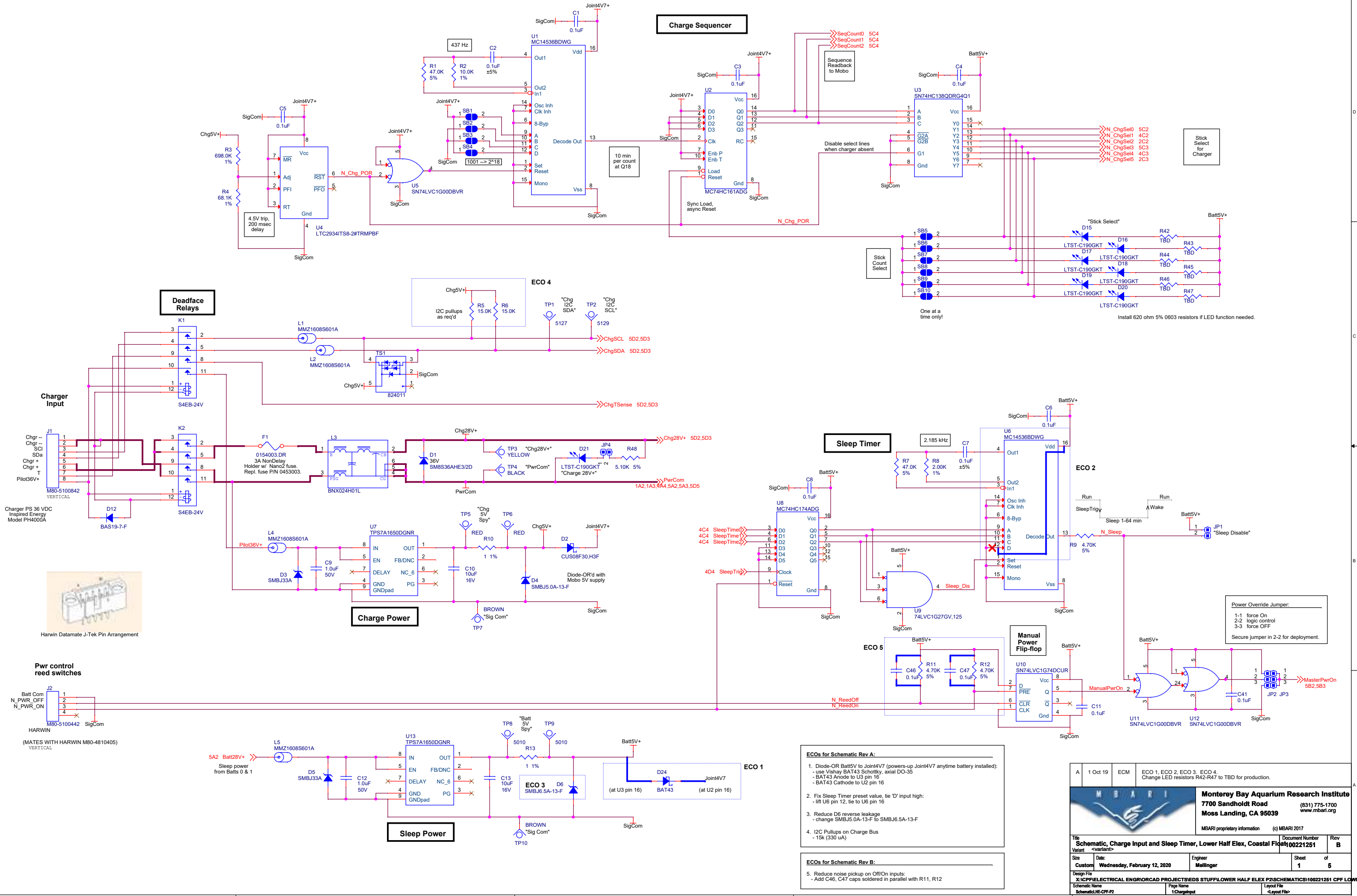
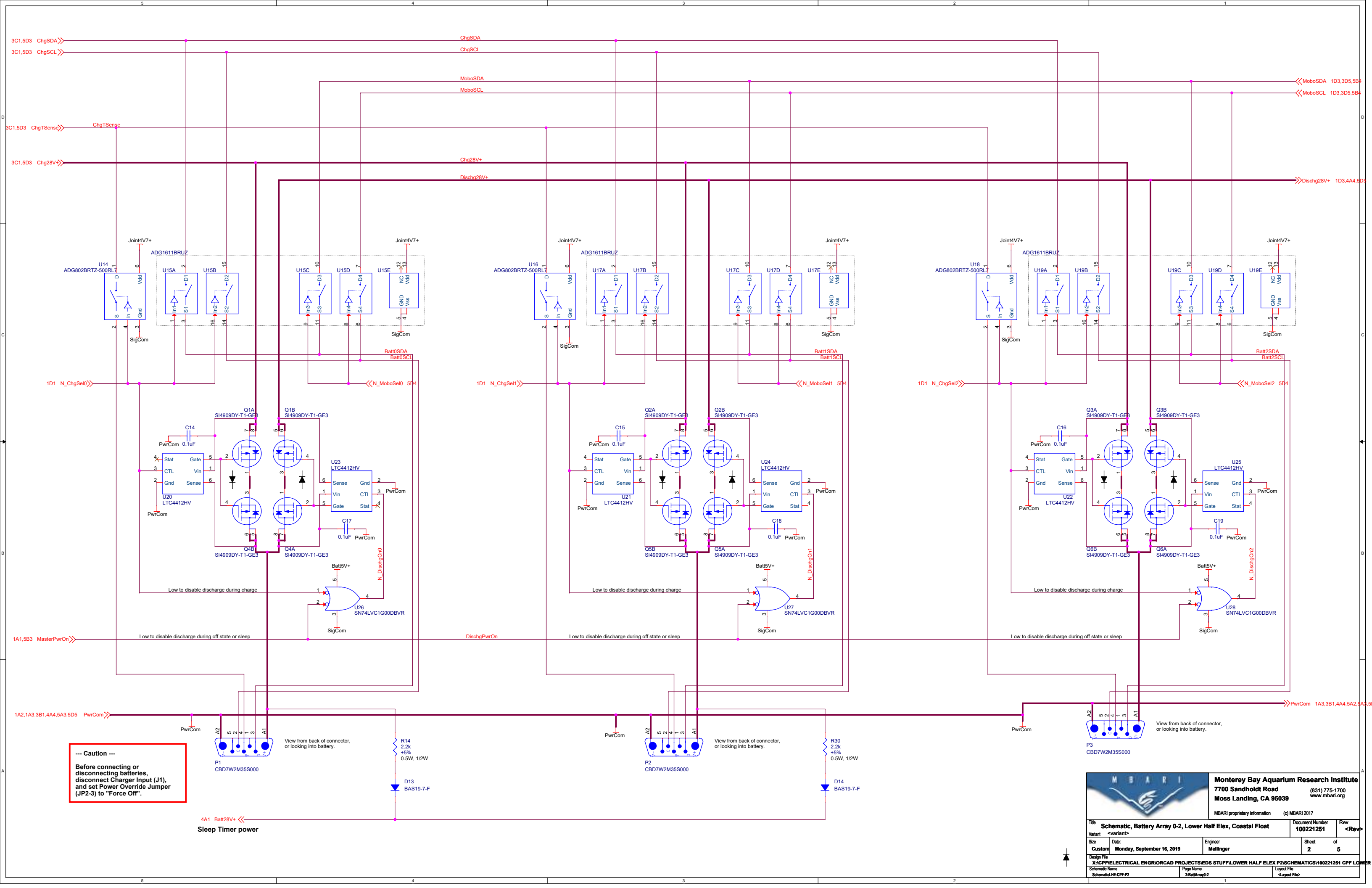


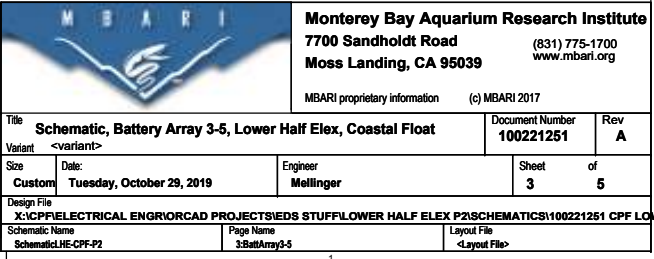


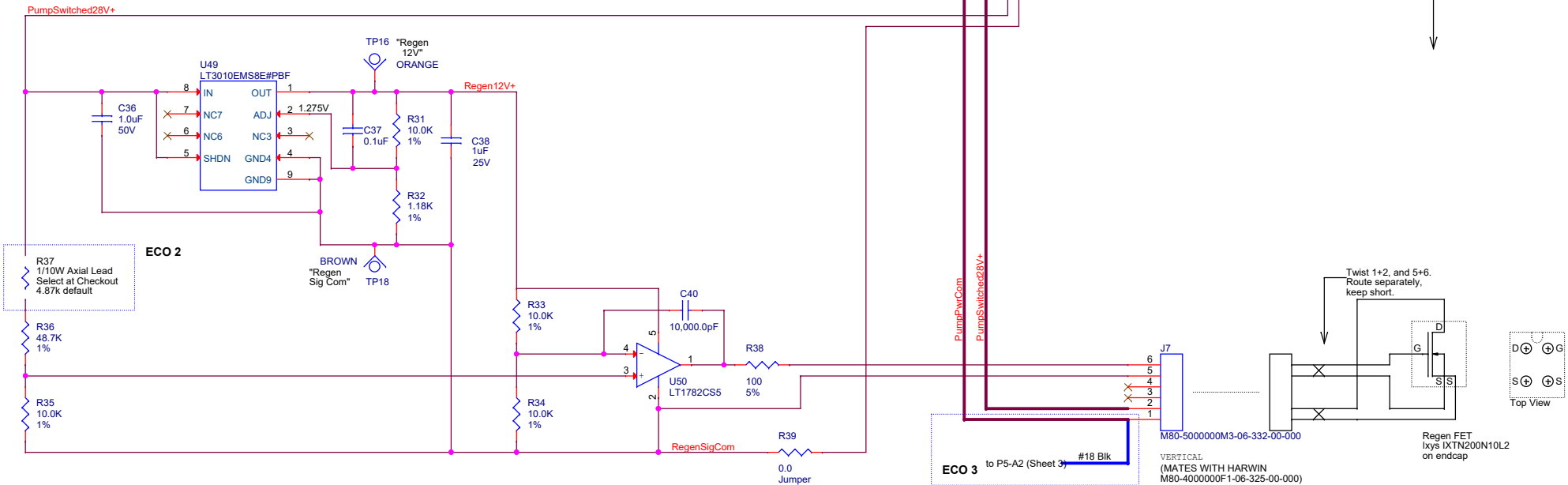
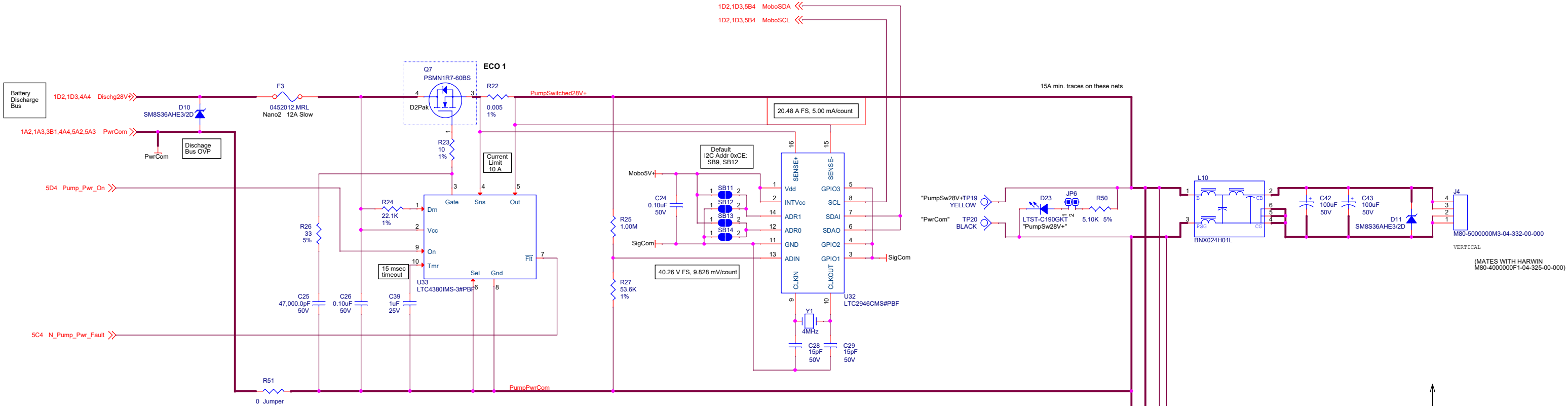
- ECOs for Schematic Rev A:**
- Diode-OR Batt5V to Joint4V7 (powers-up Joint4V7 anytime battery installed):
 - use Vishay BAT43 Schottky, axial DO-35
 - BAT43 Anode to U3 pin 16
 - BAT43 Cathode to U2 pin 16
 - Fix Sleep Timer preset value, tie 'D' input high:
 - lift U6 pin 12, tie to U6 pin 16
 - Reduce D6 reverse leakage
 - change SMBJ5.0A-13-F to SMBJ6.5A-13-F
 - I2C Pullups on Charge Bus
 - 15k (330 uA)
- ECOs for Schematic Rev B:**
- Reduce noise pickup on Off/On inputs:
 - Add C46, C47 caps soldered in parallel with R11, R12

A	1 Oct 19	ECM	ECO 1, ECO 2, ECO 3, ECO 4. Change LED resistors R42-R47 to TBD for production.
		Monterey Bay Aquarium Research Institute 7700 Sandholdt Road Moss Landing, CA 95039 (831) 775-1700 www.mbari.org	
Title Schematic, Charge Input and Sleep Timer, Lower Half Elex, Coastal Field Station		Document Number 00221251	Rev B
Size Custom	Date Wednesday, February 12, 2020	Engineer Mellinger	Sheet 1 of 5
Design File X:\CPFELECTRICAL ENGR\ORCAD PROJECTS\EDS STUFF\LOWER HALF ELEX P2\SCHEMATICS\100221251 CPF LOWER			
Schematic Name Schematic1-NE-CPF-2		Page Name 1:ChargeInput	Layout File 1:Layout File



--- Caution ---
Before connecting or disconnecting batteries, disconnect Charger Input (J1), and set Power Override Jumper (JP2-3) to "Force Off".





ECOs for Schematic Rev A:

1. Change Q7 from PSMN1R5-30 to PSMN1R7-60BS for voltage rating
2. Remove pot R37 for clearance, and sub fix axial-lead part

ECOs for Schematic Rev B:

3. Add #18 AWG wire between J7-1 (PumpPwrCom) and P5-A2 (PwrCom).

B	29 Oct 19	ECM	ECO 3
A	1 Oct 19	ECM	ECO1, ECO2
 Monterey Bay Aquarium Research Institute 7700 Sandholdt Road Moss Landing, CA 95039 MBARI proprietary information (c) MBARI 2017			
Title		Document Number	
Schematic, Pump & Regen, Lower Half Elex, Coastal Float		100221251	
Size	Date	Engineer	Sheet of
Custom	Tuesday, October 29, 2019	Mellinger	5 of 5
Design File			
Schematic Name		Page Name	Layout File
Schematic:HE-CFF-P2		SPump&Regen	<Layout File>

