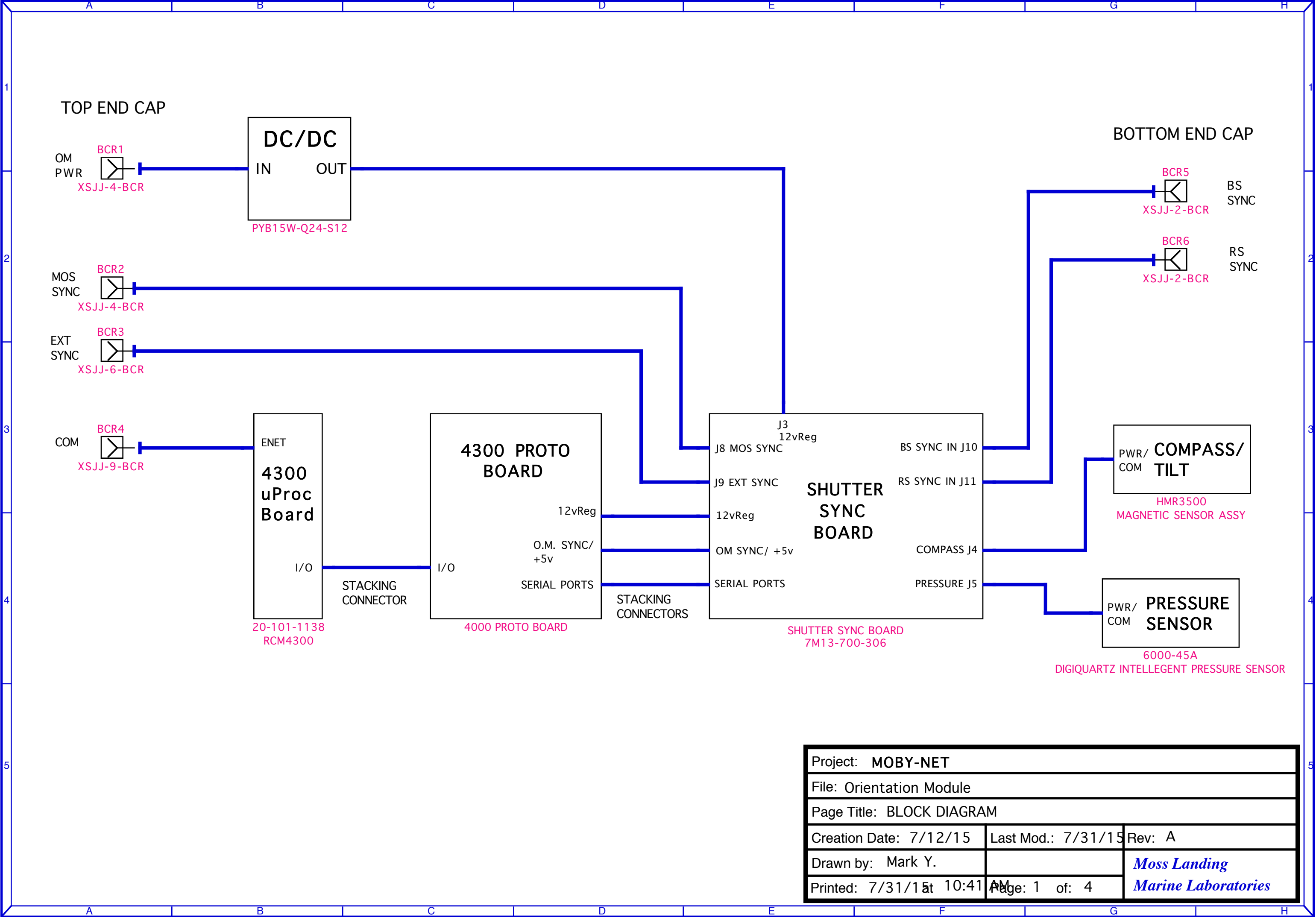
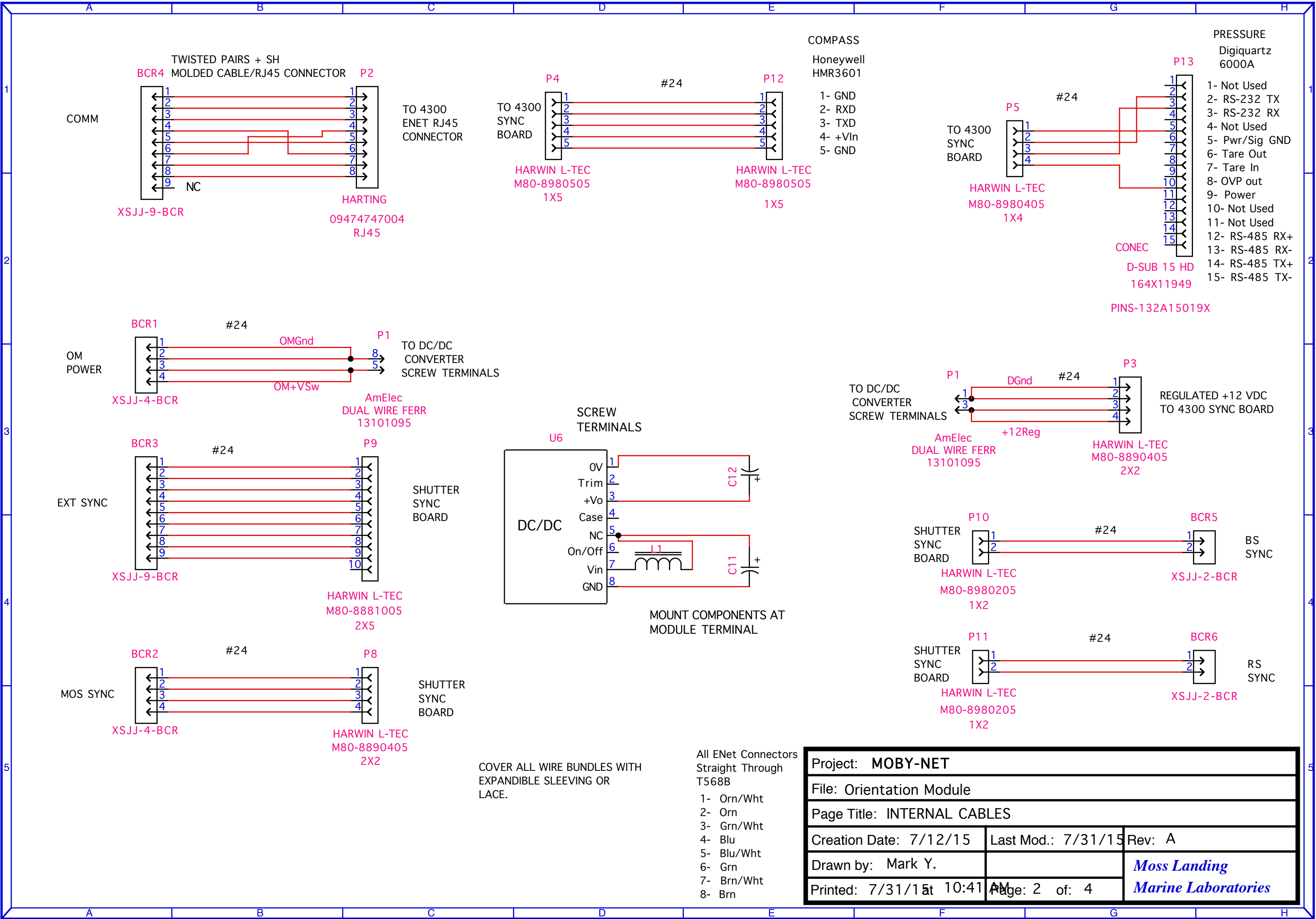
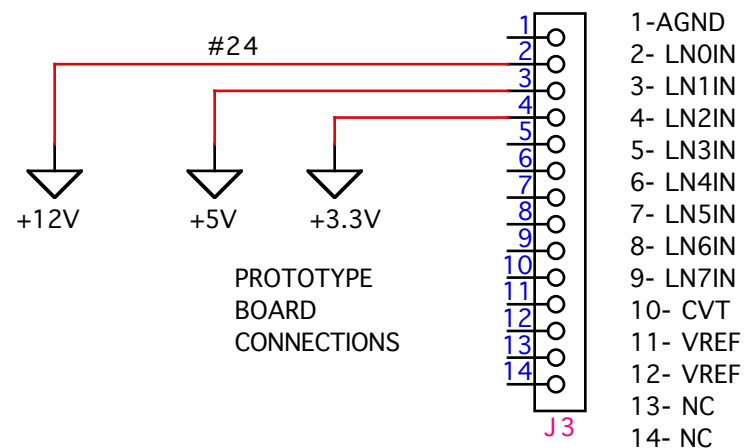
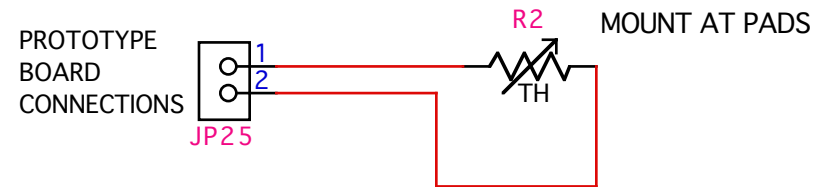


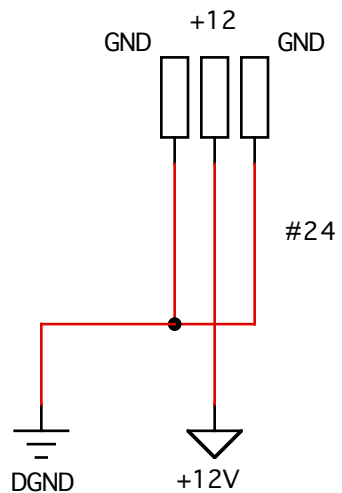


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File: Orientation Module		
Page Title: BLOCK DIAGRAM		
Creation Date: 7/12/15	Last Mod.: 7/31/15	Rev: A
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PWR CON SMD PADS



CONNECT NEAR POWER CONNECTOR J3
PROTOTYPE BOARD CONNECTIONS

MECHANICAL MODIFICATIONS

- 1) CUT BOARD
- 2) ADD MOUNTHOLES
- 3) MODIFIY POWER CONNECTOR
- 4) CHANGE PS HEATSINK

ELECTRICAL

- 1) ADD PRESSURE CONNECTOR
- 2) ADD TILT/COMPASS CONNECTOR
- 3) INSTALL THERMISTOR
- 4) ADD +12 DC CONNECTOR
- 5) WIRE VOLTAGE MONITORS TO A/D IN
- 6) WIRE SYNC CONNECTOR

A/D ASSIGNMENETS:

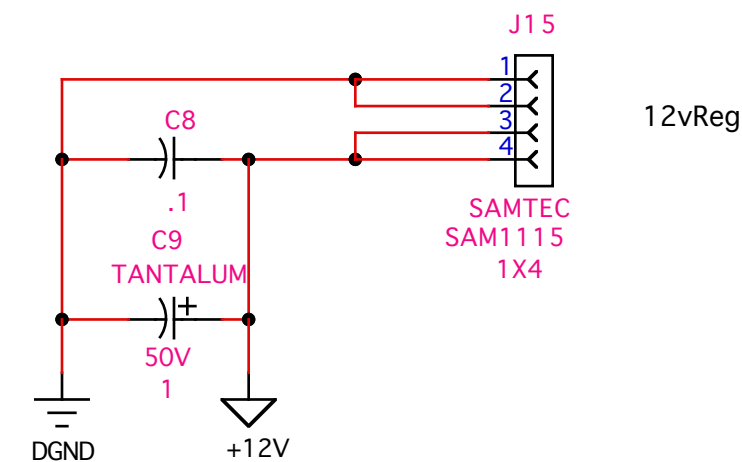
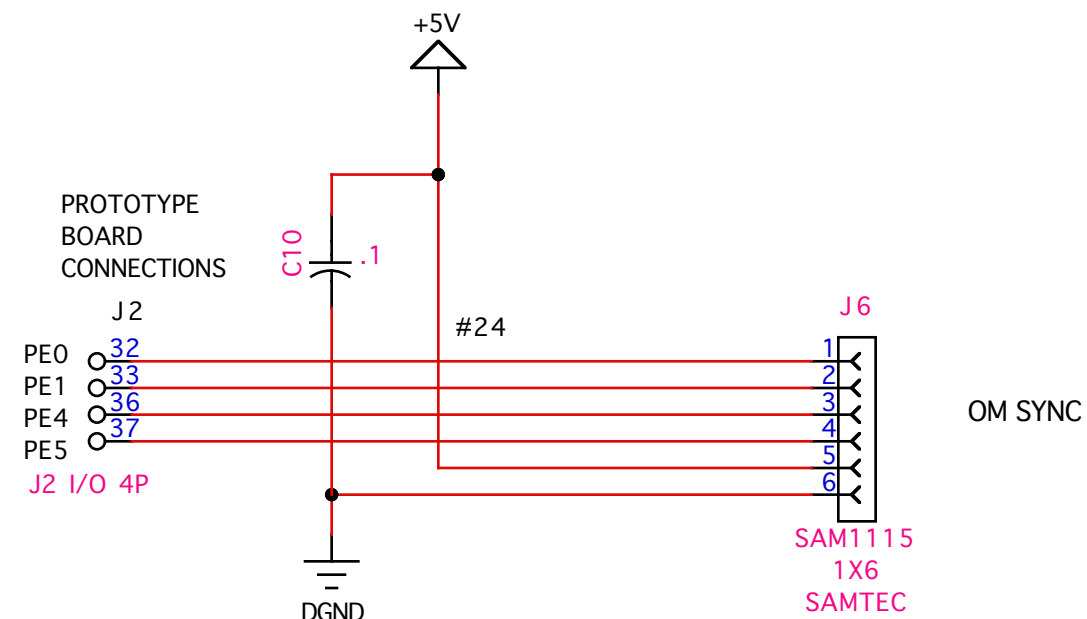
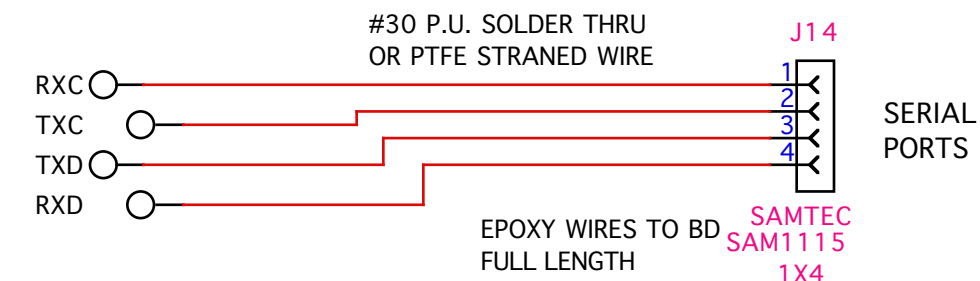
- CH0- +12 VOLTS REG
CH1- +5 VOLTS REG
CH2- +3.3 VOLTS REG
CH7- THERMISTOR

PORT CFG

- RS232 C COMPASS
RS232 D PRESSURE
PE0 INPUT MOS BLUE SYNC
PE1 INPUT MOS RED SYNC
PE4 INPUT BS SYNC
PE5 INPUT RS SYNC

LOGIC LOW = SHUTTER OPEN

PROTOTYPE BOARD
VIA W/PADS NEAR C4



Project: **MOBY-NET**

File: Orientation Module

Page Title: RCM PROTO BOARD MODS

Creation Date: 7/12/15

Last Mod.: 7/31/15

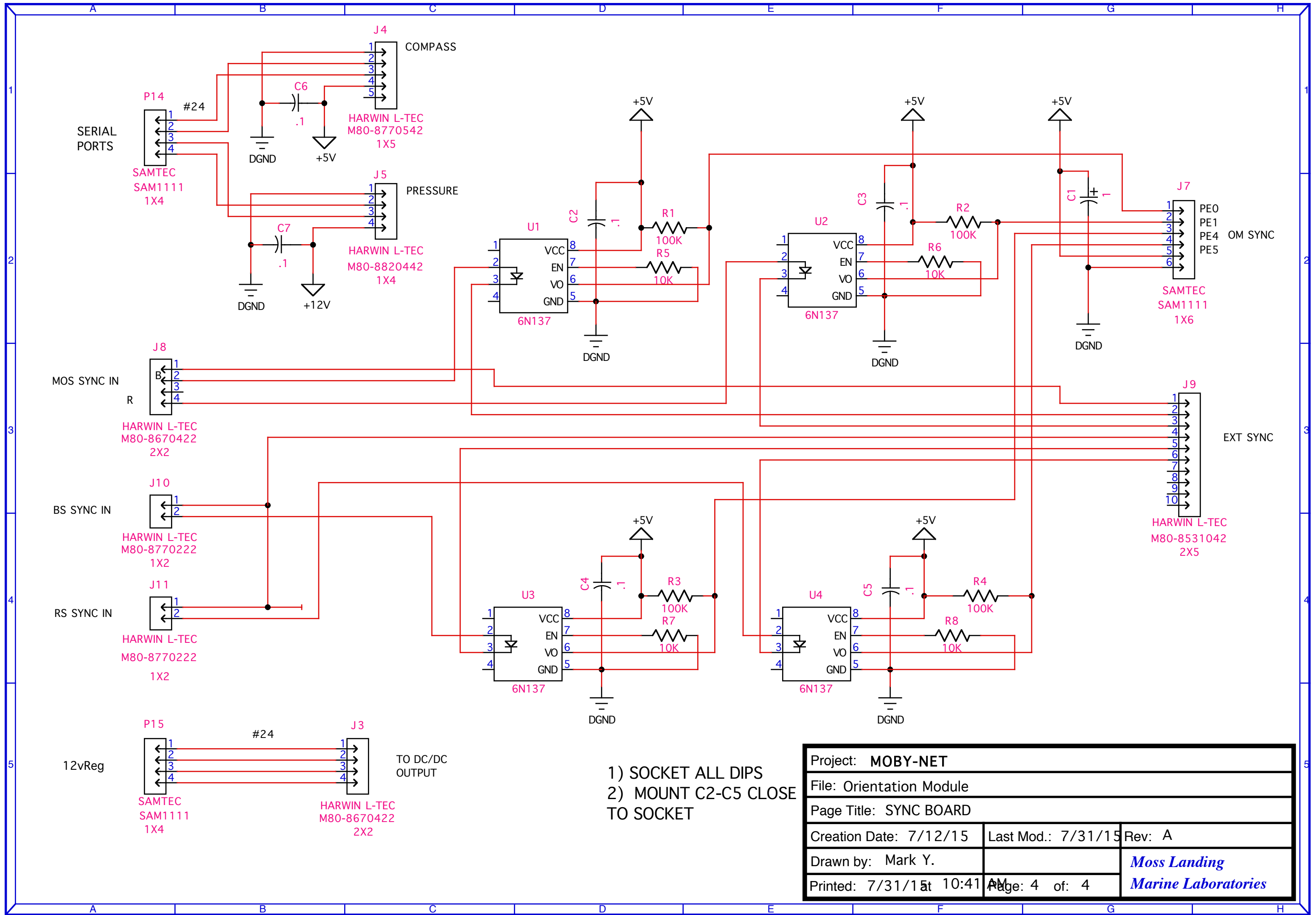
Rev: A

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Marine Laboratories**



1) SOCKET ALL DIPS
2) MOUNT C2-C5 CLOSE
TO SOCKET

Project: MOBY-NET		
File: Orientation Module		
Page Title: SYNC BOARD		
Creation Date: 7/12/15	Last Mod.: 7/31/15	Rev: A
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