

A

B

C

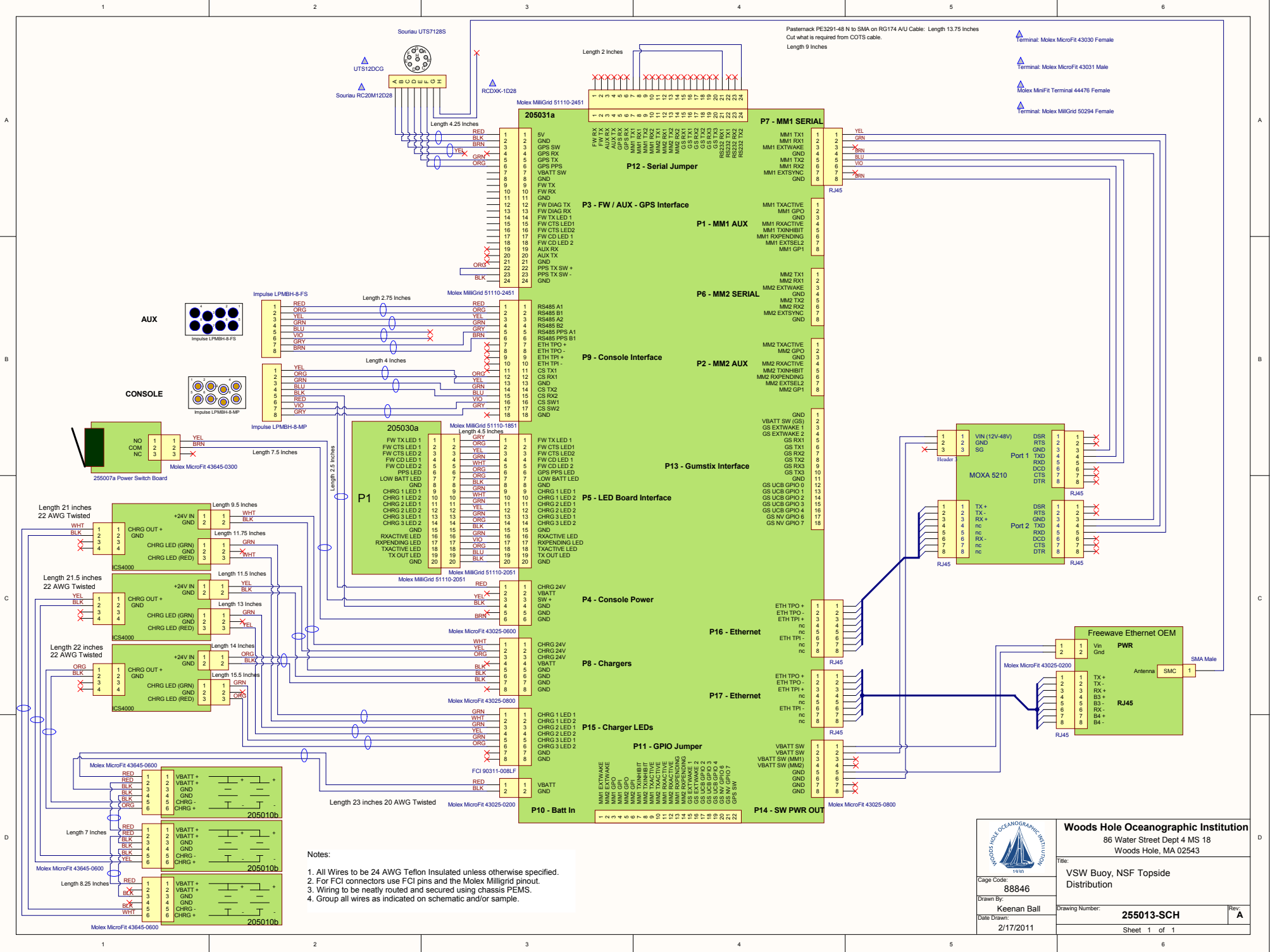
D

A

B


C

D



Notes:

1. All Wires to be 24 AWG Teflon Insulated unless otherwise specified.
2. For FCI connectors use FCI pins and the Molex Millgrid pinout.
3. Wiring to be neatly routed and secured using chassis PEMS.
4. Group all wires as indicated on schematic and/or sample.



WOODS HOLE OCEANOGRAPHIC INSTITUTION
1461

Woods Hole Oceanographic Institution
86 Water Street Dept 4 MS 18
Woods Hole, MA 02543

Title:
VSW Buoy, NSF Topside Distribution

88846

Drawn By:
Keenan Ball

Date Drawn:
2/17/2011

Drawing Number:
255013-SCH

Rev:
A

Sheet 1 of 1

A

A

B

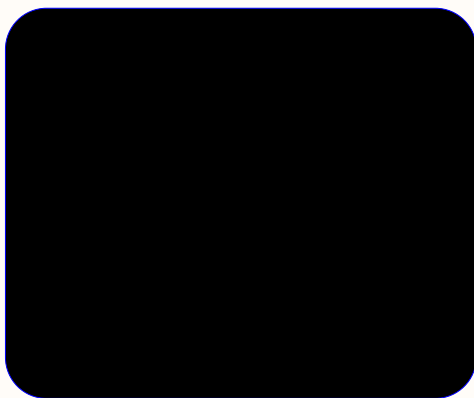
B

C

C

D

D



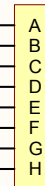
Garmin GPS 16LVS

Red - PWR
Blk - GND
Yel - REMOTE
Blu - GPS RX1
Wht - GPS TX1
Gry - PPS
Grn - GPS RX2
Vio - PS TX2

1
2
3
4
5
6
7
8

Stock Garmin Cable: Length 11 Inches

Souriau RM20M12D28



WHOI 255611 Seal

Souriau UTS612DCG

Souriau RMDXK-10D28



Astron Wireless V9180FXTBNF

N - Female

1

N - Male on RG174 A/U

Pasternack PE3291-48 N to SMA on RG174 A/U Cable: Length 29.5 Inches

Cut what is required from COTS cable.

Assembly Instructions:

1. Install both cables through end of disassembled backshell.
2. Install both cables through 255611 seal.
3. Install both cables through remaing backshell.
4. Crimp pins as indicated in schmatic.
5. Install pins in connector body.
6. Assemble backshell with 255611 seal.

Notes:

1. Only Garmin GPS16LVS should be used for VSW Modem Buoy 255011.



Woods Hole Oceanographic Institution

86 Water Street Dept 4 MS 18

Woods Hole, MA 02543

Title:

VSW Buoy, NSF Topside
Antenna and GPS Wiring

Cage Code:

88846

Drawn By:

Keenan Ball

Date Drawn:

2/17/2011

Drawing Number:

255013-SCH

Rev:

A

Sheet 2 of 2