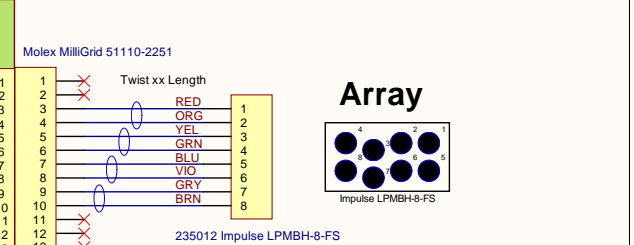
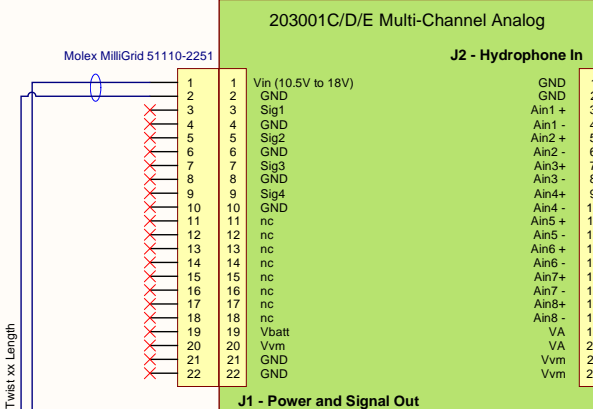
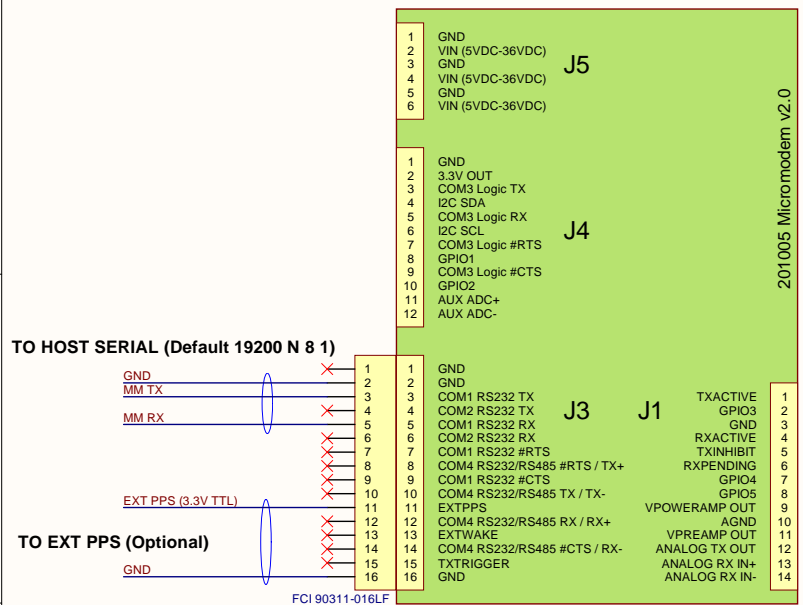


A

B

C

D



TO HOST SERIAL (Default 19200 N 8 1)

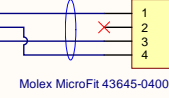
TO EXT PPS (Optional)

TO HOST POWER SUPPLY

Transducer



235014 Impulse LPMBH-3-FS



202006f Micromodem Power Amp

Configurations:
 Assumes 202006f or Newer Micromodem Power Amplifier
 Assumes 201005b or Newer with FW 27087 and FPGA 21446 or Newer

Regulated Accessory Power for Supply Voltages Less than 36V:
 202006f Micromodem Power Amplifier SW2 Setting = 1100

This setting provides a regulated 12.5VDC to the Micromodem DSP, Micromodem Coprocessor and Micromodem Multi-Channel Analog Board.

This setting will draw more quiescent power in all operational modes due to the regulated supplied being turned on at all times. Hibernate is only possible if supply power is provided to Micromodem DSP J5 in addition to the Micromodem Power Amplifier.

Supply Voltage to Micromodem DSP, Regulated Accessory Power for Supply Voltages Less than 36V:
 202006f Micromodem Power Amplifier SW2 Setting = 0010

This setting provides the supply voltage directly to the Micromodem DSP a regulated 12.5VDC to the Micromodem Coprocessor and Micromodem Multi-Channel Analog Board when required.

This setting will draw less quiescent power in all operational modes as the regulated supply is turned off when not required.

Regulated Accessory Power for Supply Voltages Greater than 36V:
 202006f Micromodem Power Amplifier SW2 Setting = 1100

Some additional hardware configuration may be required on the Micromodem Power Amplifier. Contact us before attempting to use 36V or higher.

- Notes:
1. All wires to be 24 AWG Teflon Insulate unless otherwise specified.
 2. Wiring to be neatly routed inside of housing.
 3. Group and twist wires as indicated.

- ▲ Terminal: Molex MILGrid 50294 Female
- ▲ Terminal: FCI 77138-101LF Female
- ▲ Terminal: Molex MicroFit 43030 Female

Cage Code:	88846
Drawn By:	Keenan Ball
Date Drawn:	10/11/2018

Woods Hole Oceanographic Institution	
86 Water Street Dept 4 MS 18 Woods Hole, MA 02543	
Title:	Multi-RX PSK Micromodem Intergration Micromodem v2.0, Wide Input Power Amp Coprocessor and Multi-Channel Analog
Drawing Number:	250032-SCH
Rev:	B
Sheet 1 of 1	