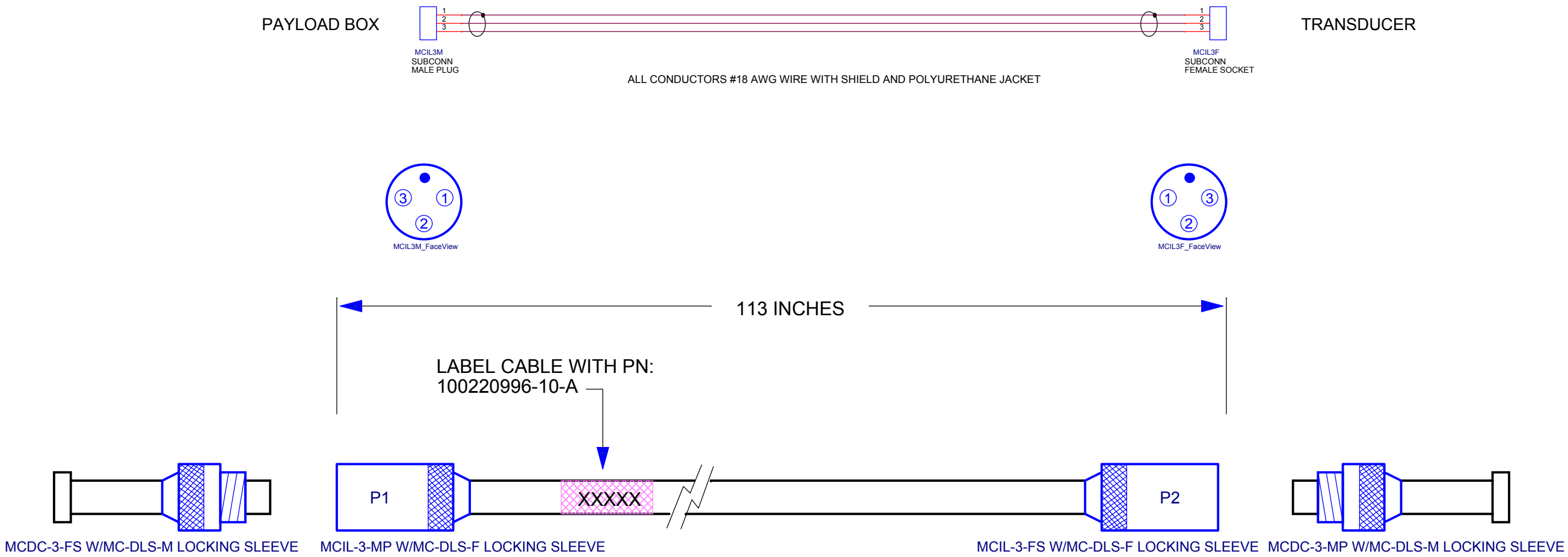


WAVE GLIDER SV3 BENTHOS ACOUSTIC TRANSDUCER CABLE



P1 MCIL-3-MP	P2 MCIL-3-FS
PIN 1	PIN 1
PIN 2	PIN 2
PIN 3	PIN 3

MBARI PN 100220996-10-A

Revision History
A - 28FEB14 First release.

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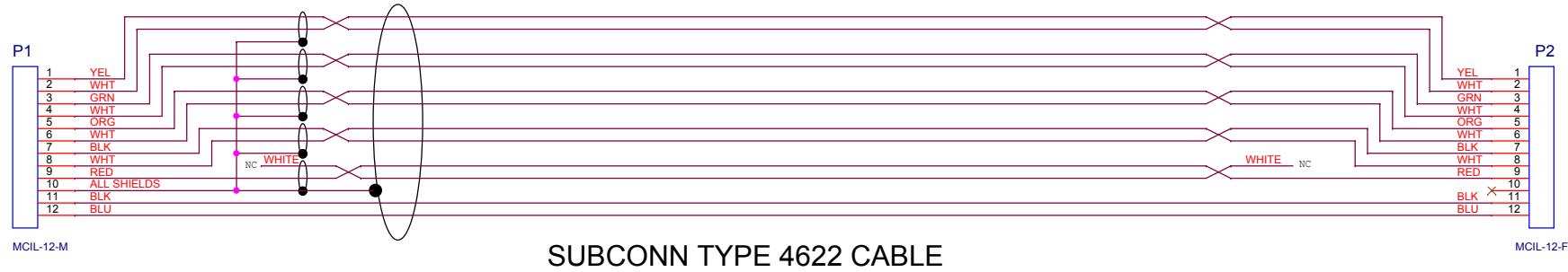
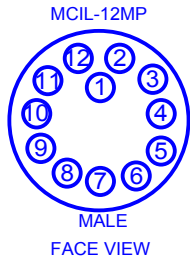
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MOSS LANDING, CA 95039

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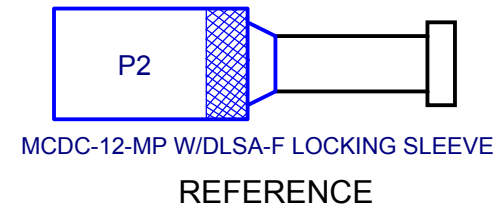
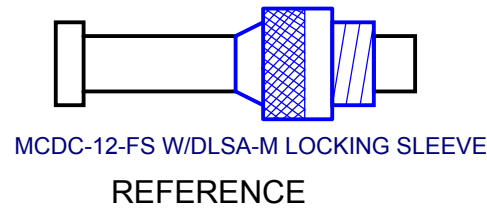
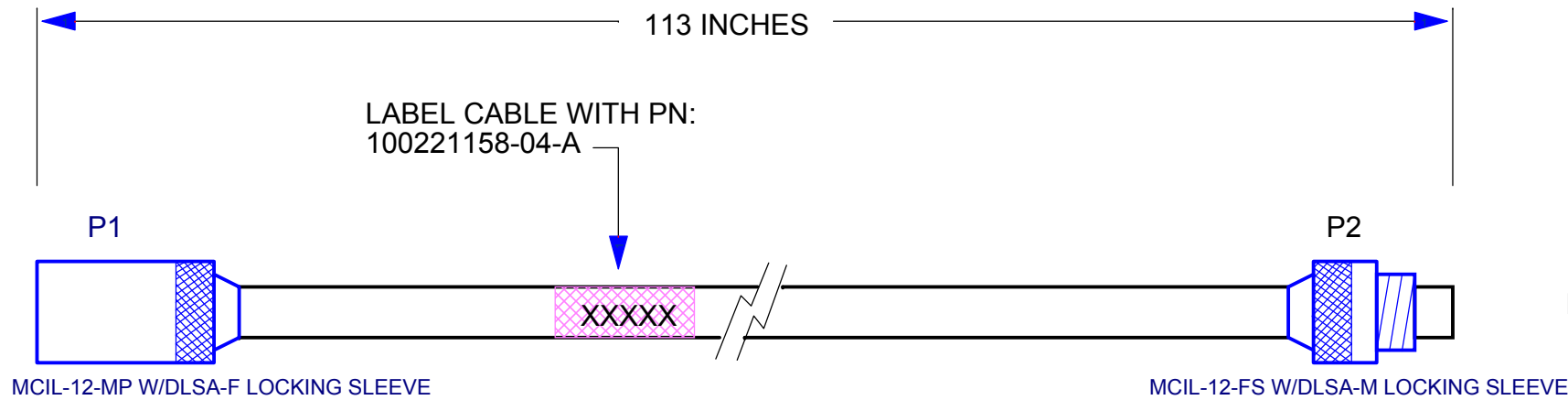
Title

Wave Glider HotSpot Benthos Transducer Cable

Size	Engineer: Mark Chaffey EMAIL: chma@mbari.org	Number	10020996-10-SCH-A	Rev	A
C	Date: Thursday, December 22, 2016	Filename	Sheet 1 of 1		



HOTSPOT PAYLOAD BOX



- ASSEMBLY NOTES:
1. USE SUBCONN CABLE TYPE 4622.
 2. CONNECT ALL SHIELDS TO P1 PIN 10.
 3. LABEL CABLE WITH MBARI PART NUMBER.
 4. FOLLOW PAIRING OF TWISTED PAIRS IN TERMINATION.

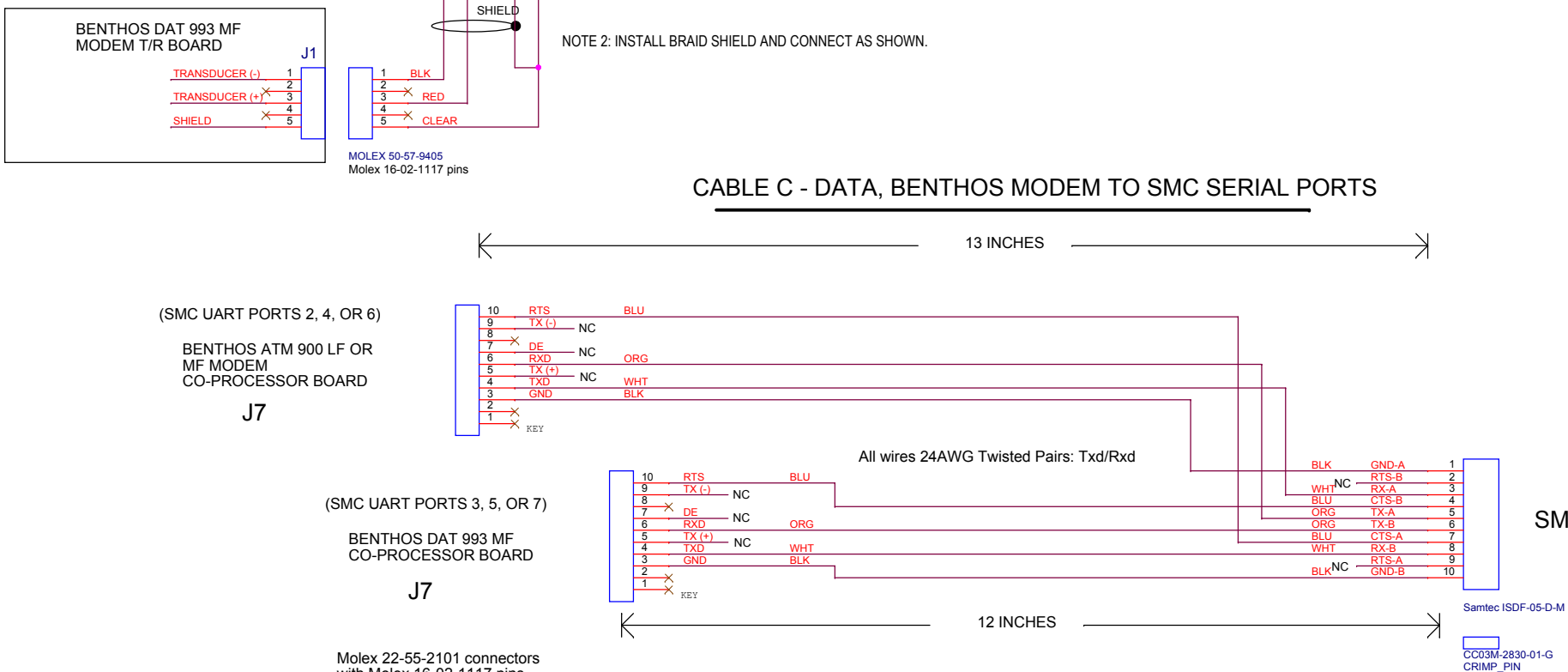
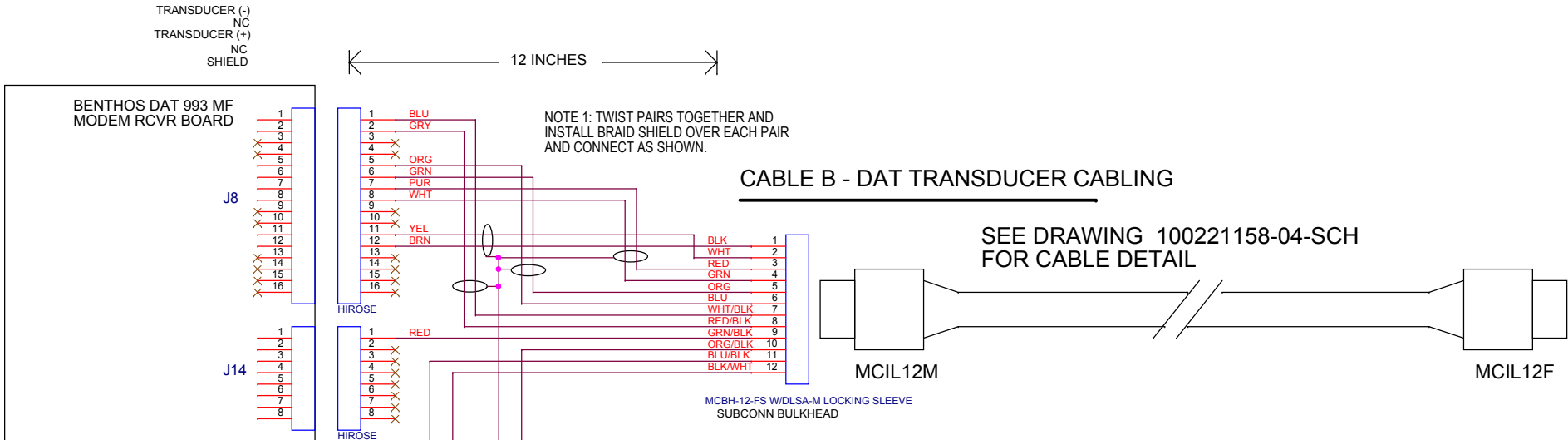
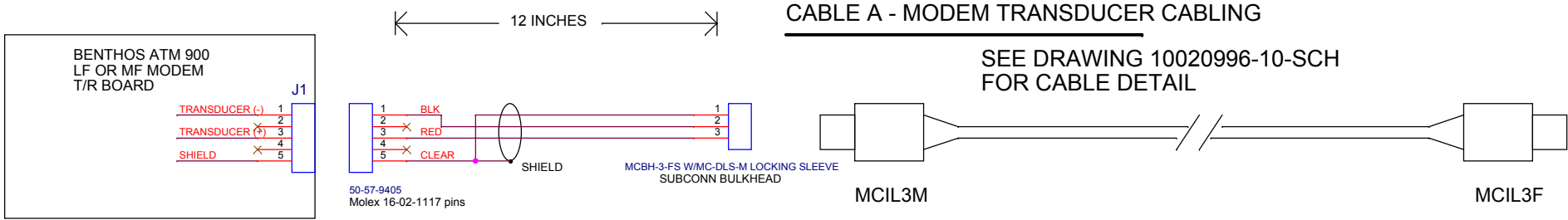
P1 MCIL-12-M		P2 MCIL-12-F
PIN 1	_____	PIN 1
PIN 2	_____ TWISTED PAIR _____	PIN 2
PIN 3	_____	PIN 3
PIN 4	_____ TWISTED PAIR _____	PIN 4
PIN 5	_____	PIN 5
PIN 6	_____ TWISTED PAIR _____	PIN 6
PIN 7	_____	PIN 7
PIN 8	_____ TWISTED PAIR _____	PIN 8
PIN 9	_____	PIN 9
PIN 10 - ALL SHIELDS		NO CONNECT - PIN 10
PIN 11	_____	PIN 11
PIN 12	_____	PIN 12

MBARI PN 100221158-04-A

REVISION HISTORY:
REV. A 30NOV16 - FIRST RELEASE

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Title HOTSPOT BENTHOS DAT TRANSDUCER CABLE			
Size C	Engineer: Mark Chaffey EMAIL: chma@mbari.org (831) 775-1708 Date: Thursday, December 22, 2016 Filename: 901209_12map_systemdesign.dwg	Number 100221158-04-A Sheet 1 of 1	Rev A



Molex 22-55-2101 connectors with Molex 16-02-1117 pins and Molex 15-04-5104 clips. In addition, a Molex 15-04-0292 key must be inserted into pin 1 of the 22-55-2101 connector.

Revision History
A - 04DEC16 First release.
B - 07AUG17 Added color codes and corrected lengths.

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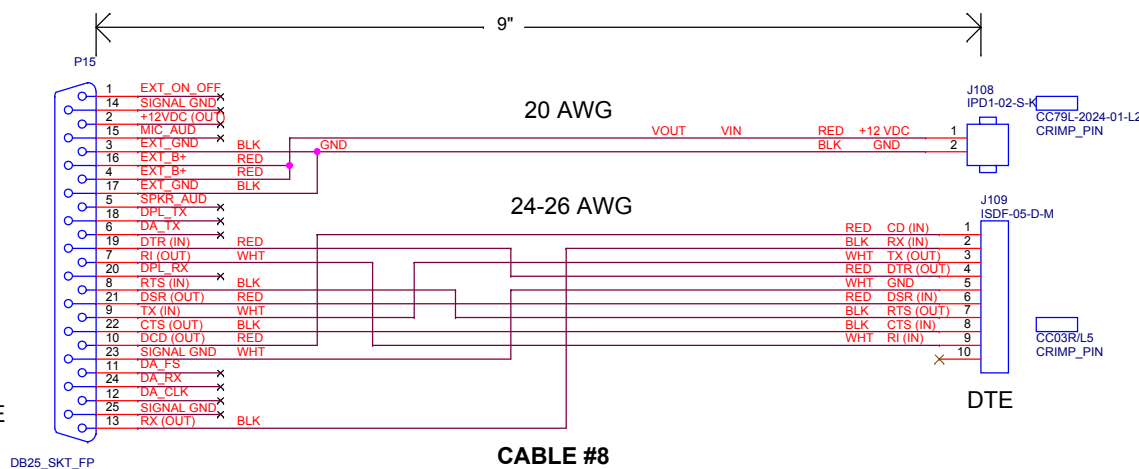
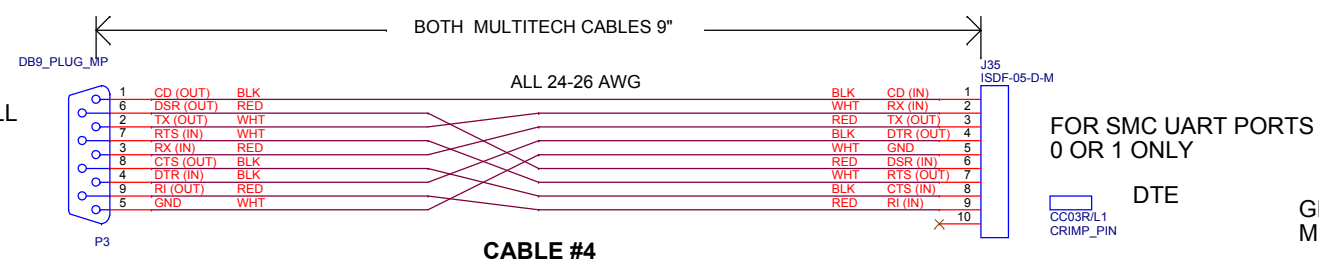
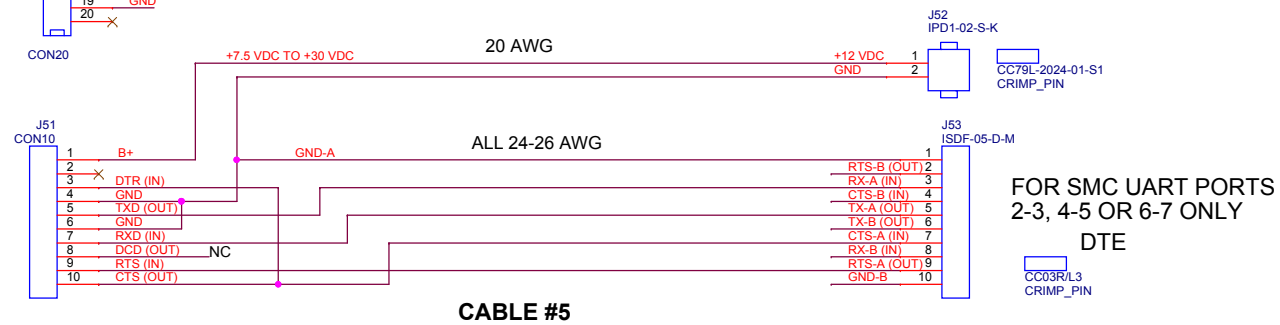
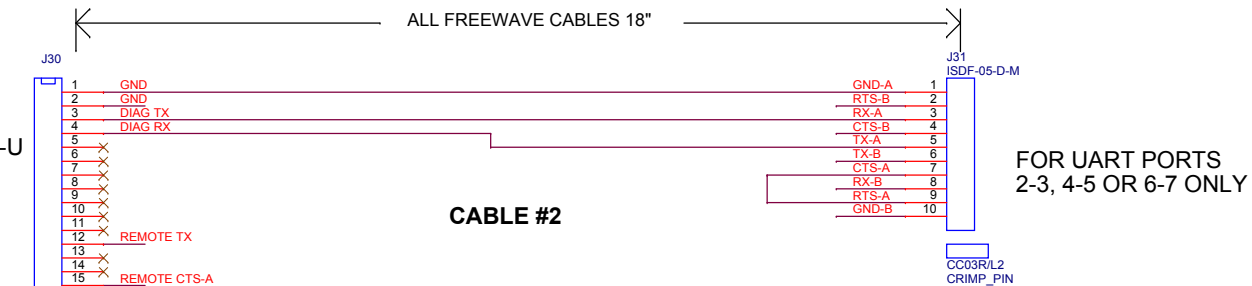
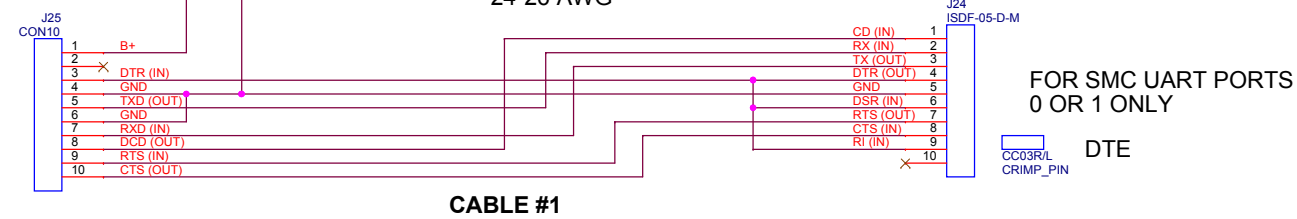
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Hotspot SV3 1U Payload Box Acoustic Connectors

Size	Engineer: Mark Chaffey EMAIL: chma@mbari.org	Number	100221158-02-SCH-B	Rev	B
C	Date: Wednesday, October 25, 2017	Filename	100221158-02-SCH_AcousticConn	Sheet	1 of 1



DTE

DTE

DTE

REVISION:
A - INITIAL
B - 28MAY13 - ADDED SERIAL CABLE. INCREASED CABLE LENGTH.
C - 28MAY13 - ADDED WIRE GAGE.
D - 10JUN13 - CORRECTED DIAGNOSTIC CABLE.
E - 20JUN13 - CORRECTED MODEM CABLE.
F - 13JAN14 - ADDED GLOBALSTAR CABLE.
G - 19FEB14 - SWAPPED TXD AND RXD ON GLOBALSTAR CABLE.
H - 28JUL17 - ADDED IRIIDIUM MODEM CABLE.



87654321

RJ45 Pin #	Wire Color (T568B)	10Base-T Signal 100Base-TX Signal	1000Base-T Signal
1	White/Orange	Transmit+	BI_DA+
2	Orange	Transmit-	BI_DA-
3	White/Green	Receive+	BI_DB+
4	Blue	Unused	BI_DC+
5	White/Blue	Unused	BI_DC-
6	Green	Receive-	BI_DB-
7	White/Brown	Unused	BI_DD+
8	Brown	Unused	BI_DD-

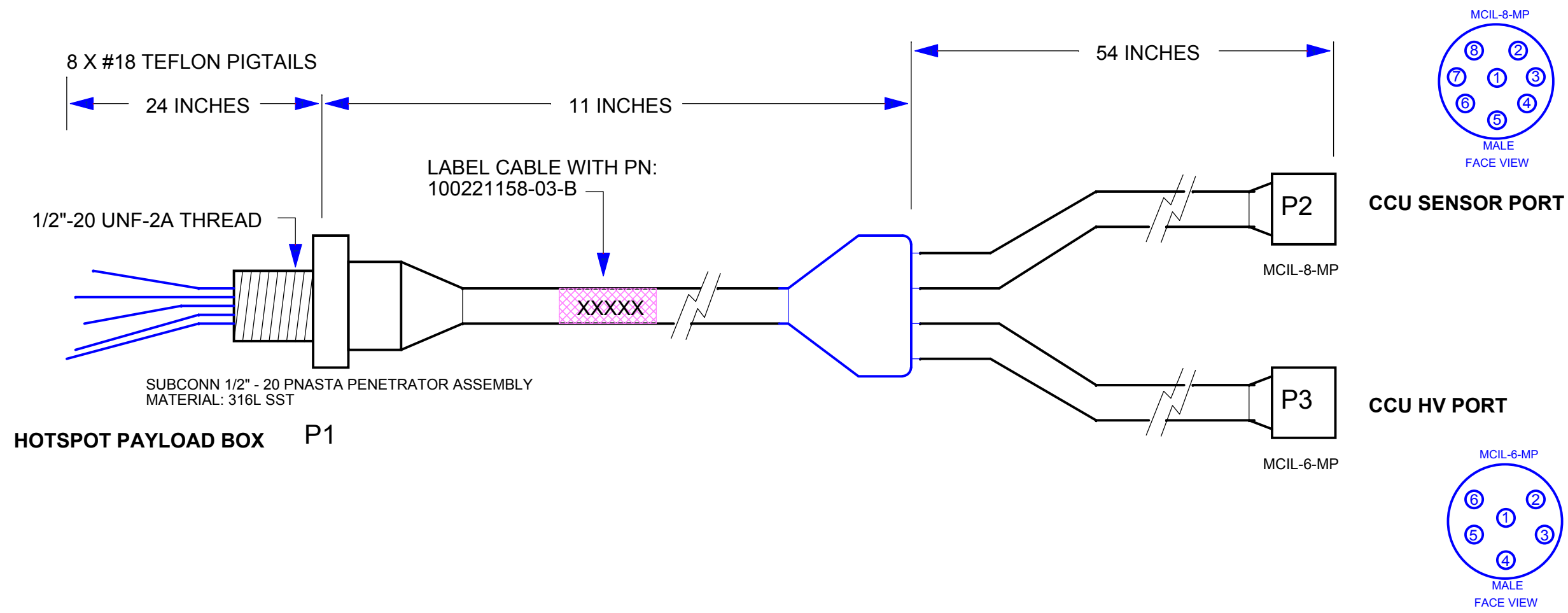
[illegible]

CABLE #7

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Title									
HotSpot Radio Serial Cables									
Size	Engineer:	Number				Rev			
C	EMAIL: chm@mban.org	(831) 775-1708		10020996-02-SCH-H				H	
	Date: Wednesday, October 25, 2017	Filename	DTN	Field	Test.dsn	Sheet	2 of 2		



P1 PNASTA	P2 MCIL-8-MP	P3 MCIL-6-MP
WIRE 1	PIN 2	-- --
WIRE 2	PIN 3	-- --
WIRE 3	PIN 4	-- --
WIRE 4	PIN 7	-- --
WIRE 5	PIN 1	-- --
WIRE 6	PIN 8	-- --
WIRE 7	-- --	PIN 1
WIRE 8	-- --	PIN 6

MBARI PN 100221158-03-B

REVISION HISTORY:
REV. A 30NOV16 - FIRST RELEASE
REV. B 18AUG17 - REVISED SENSOR PORT WIRING TO ADD GPS SIGNALS.

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Title**HOTSPOT PAYLOAD TO CCU CABLE**

Size C	Engineer Mark Chaffey EMAIL: chma@mbari.org (831) 775-1708	Number 100221158-03-B	Rev B
Date Friday, August 18, 2017	Filename 901209_12map_systemdesign.dwg	Sheet 5	of 18