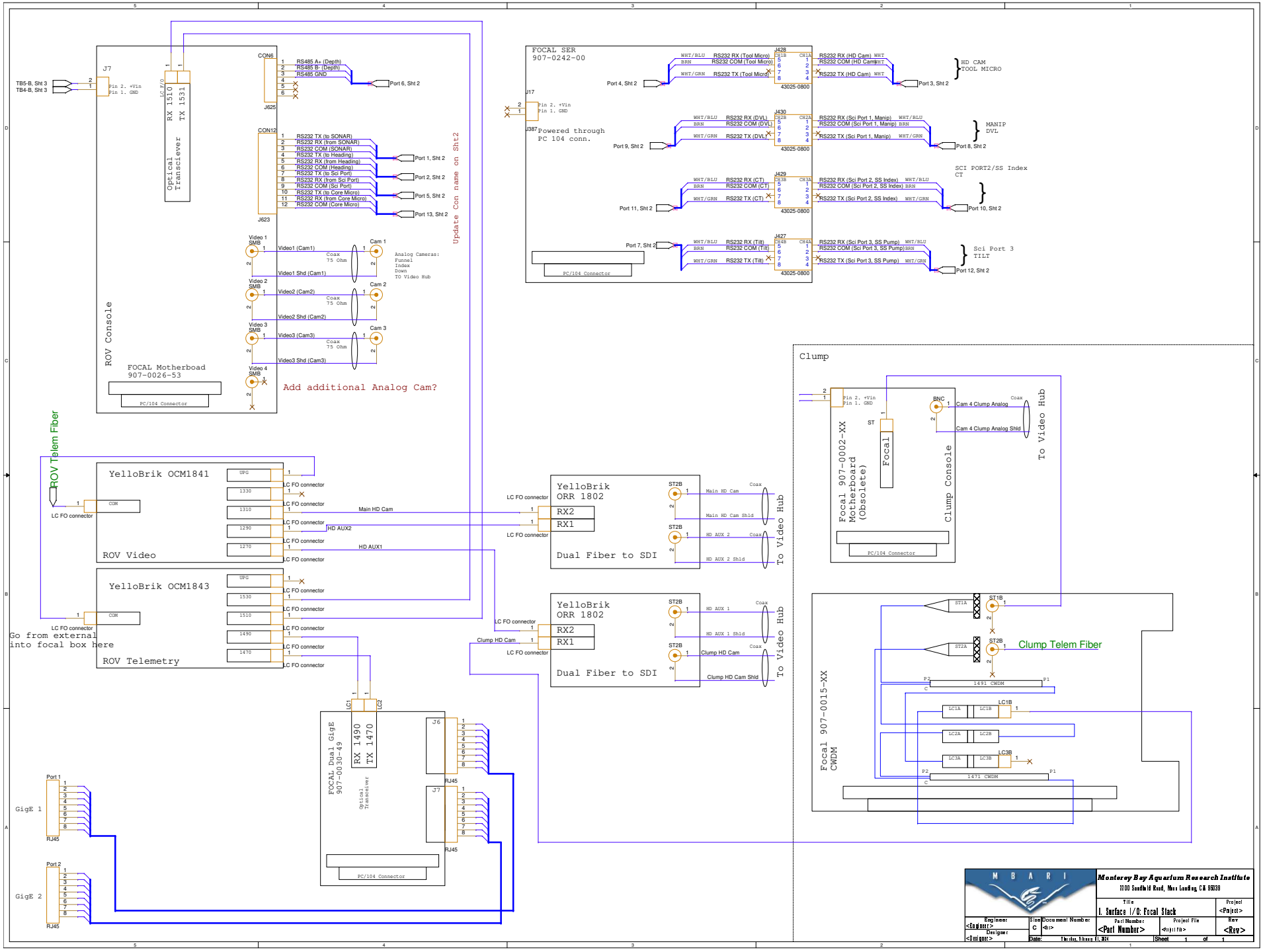
ROV Console
FOCAL Motherboad
907-0026-53
PC/104 Connector
J7
Pin 2. +Vin
Pin 1. GND
TB5-B, Sht 3
TB4-B, Sht 3
Optical Transciever
RX 1510
TX 1531
CON6
J625
CON12
J623
RS485 A+ (Depth)
RS485 B- (Depth)
RS485 GND
Port 6, Sht 2
RS232 TX (to SONAR)
RS232 RX (from SONAR)
RS232 COM (SONAR)
RS232 TX (to Heading)
RS232 RX (from Heading)
RS232 COM (Heading)
RS232 TX (to Sci Port)
RS232 RX (from Sci Port)
RS232 COM (Sci Port)
RS232 TX (to Core Micro)
RS232 RX (from Core Micro)
RS232 COM (Core Micro)
Port 1, Sht 2
Port 2, Sht 2
Port 5, Sht 2
Port 13, Sht 2
Update Con name on Sht2
Video 1 SMB
Video 2 SMB
Video 3 SMB
Video 4 SMB
Video1 (Cam1)
Video1 Shd (Cam1)
Video2 (Cam2)
Video2 Shd (Cam2)
Video3 (Cam3)
Video3 Shd (Cam3)
Coax 75 Ohm
Cam 1
Cam 2
Cam 3
Analog Cameras:
Funnel
Index
Down
To Video Hub
Add additional Analog Cam?
FOCAL SER
907-0242-00
J17
J387
Powered through
PC 104 conn.
Port 4, Sht 2
Port 9, Sht 2
Port 11, Sht 2
Port 7, Sht 2
J428
J430
J429
J427
43025-0800
WHT/BLU
BRN
WHT/GRN
RS232 RX (Tool Micro)
RS232 COM (Tool Micro)
RS232 TX (Tool Micro)
RS232 RX (DVL)
RS232 COM (DVL)
RS232 TX (DVL)
RS232 RX (CT)
RS232 COM (CT)
RS232 TX (CT)
RS232 RX (Tilt)
RS232 COM (Tilt)
RS232 TX (Tilt)
RS232 RX (HD Cam)
RS232 COM (HD Cam)
RS232 TX (HD Cam)
RS232 RX (Sci Port 1, Manip)
RS232 COM (Sci Port 1, Manip)
RS232 TX (Sci Port 1, Manip)
RS232 RX (Sci Port 2, SS Index)
RS232 COM (Sci Port 2, SS Index)
RS232 TX (Sci Port 2, SS Index)
RS232 RX (Sci Port 3, SS Pump)
RS232 COM (Sci Port 3, SS Pump)
RS232 TX (Sci Port 3, SS Pump)
Port 3, Sht 2
Port 8, Sht 2
Port 10, Sht 2
Port 12, Sht 2
HD CAM
TOOL MICRO
MANIP
DVL
SCI PORT2/SS Index
CT
Sci Port 3
TILT
ROV Telem Fiber
YelloBrik OCM1841
ROV Video
UPG
1330
1310
1290
1270
COM
LC FO connector
Main HD Cam
HD AUX2
HD AUX1
YelloBrik OCM1843
ROV Telemetry
1530
1510
1490
1470
Go from external
into focal box here
YelloBrik
ORR 1802
Dual Fiber to SDI
RX2
RX1
ST2B
Main HD Cam
Main HD Cam Shld
HD AUX 2
HD AUX 2 Shld
HD AUX 1
HD AUX 1 Shld
Clump HD Cam
Clump HD Cam Shld
Coax
To Video Hub
Clump
Focal 907-0002-XX
Motherboard
(Obsolete)
Focal
Clump Console
BNC
ST
Cam 4 Clump Analog
Cam 4 Clump Analog Shld
Clump Telem Fiber
Focal 907-0015-XX
CWDM
ST1A
ST1B
ST2A
ST2B
1491 CWDM
1471 CWDM
LC1A
LC1B
LC2A
LC2B
LC3A
LC3B
FOCAL Dual GigE
907-0030-49
Optical Transceiver
RX 1490
TX 1470
LC1
LC2
J6
J7
RJ45
GigE 1
GigE 2
Port 1
Port 2
MBARI
Monterey Bay Aquarium Research Institute
7700 Sandholdt Road, Moss Landing, CA 95039
Title
1. Surface I/O: Focal Stack
Project
<Project>
Engineer:
<Engineer>
Designer:
<Designer>
Size
C
Document Number
<#>
Part Number
<Part Number>
Project File
<Project File>
Rev
<Rev>
Date:
Thursday, February 01, 2024
Sheet 1 of 1