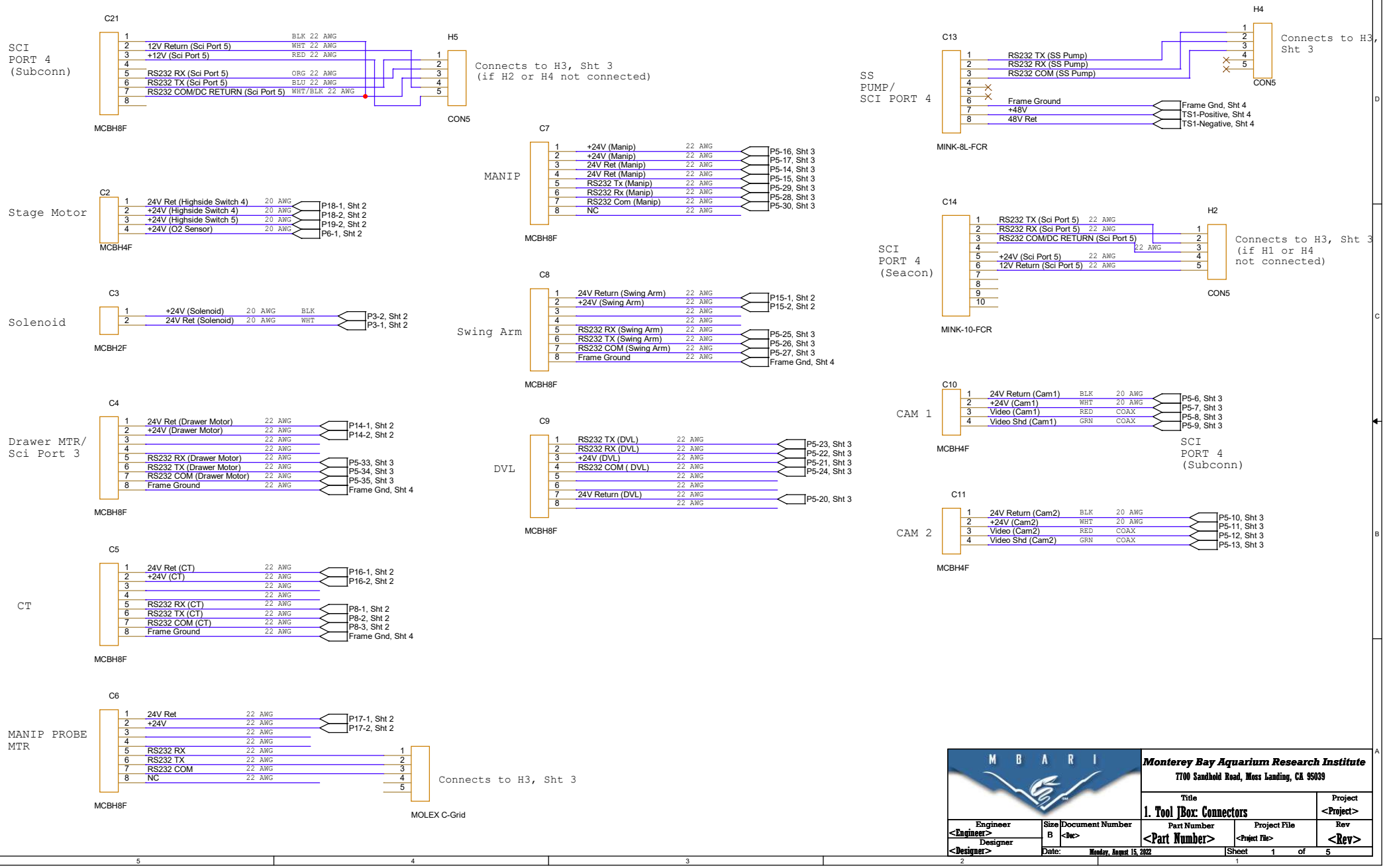
SCI PORT 4 (Subconn)
C21
MCBH8F
1 BLK 22 AWG
2 12V Return (Sci Port 5) WHT 22 AWG
3 +12V (Sci Port 5) RED 22 AWG
5 RS232 RX (Sci Port 5) ORG 22 AWG
6 RS232 TX (Sci Port 5) BLU 22 AWG
7 RS232 COM/DC RETURN (Sci Port 5) WHT/BLK 22 AWG
H5
CON5
Connects to H3, Sht 3 (if H2 or H4 not connected)
Stage Motor
C2
MCBH4F
1 24V Ret (Highside Switch 4) 20 AWG
2 +24V (Highside Switch 4) 20 AWG
3 +24V (Highside Switch 5) 20 AWG
4 +24V (O2 Sensor) 20 AWG
P18-1, Sht 2
P18-2, Sht 2
P19-2, Sht 2
P6-1, Sht 2
Solenoid
C3
MCBH2F
1 +24V (Solenoid) 20 AWG BLK
2 24V Ret (Solenoid) 20 AWG WHT
P3-2, Sht 2
P3-1, Sht 2
Drawer MTR/ Sci Port 3
C4
MCBH8F
1 24V Ret (Drawer Motor) 22 AWG
2 +24V (Drawer Motor) 22 AWG
5 RS232 RX (Drawer Motor) 22 AWG
6 RS232 TX (Drawer Motor) 22 AWG
7 RS232 COM (Drawer Motor) 22 AWG
8 Frame Ground 22 AWG
P14-1, Sht 2
P14-2, Sht 2
P5-33, Sht 3
P5-34, Sht 3
P5-35, Sht 3
Frame Gnd, Sht 4
CT
C5
MCBH8F
1 24V Ret (CT) 22 AWG
2 +24V (CT) 22 AWG
5 RS232 RX (CT) 22 AWG
6 RS232 TX (CT) 22 AWG
7 RS232 COM (CT) 22 AWG
8 Frame Ground 22 AWG
P16-1, Sht 2
P16-2, Sht 2
P8-1, Sht 2
P8-2, Sht 2
P8-3, Sht 2
Frame Gnd, Sht 4
MANIP PROBE MTR
C6
MCBH8F
1 24V Ret 22 AWG
2 +24V 22 AWG
5 RS232 RX 22 AWG
6 RS232 TX 22 AWG
7 RS232 COM 22 AWG
8 NC 22 AWG
P17-1, Sht 2
P17-2, Sht 2
MOLEX C-Grid
Connects to H3, Sht 3
MANIP
C7
MCBH8F
1 +24V (Manip) 22 AWG
2 +24V (Manip) 22 AWG
3 24V Ret (Manip) 22 AWG
4 24V Ret (Manip) 22 AWG
5 RS232 Tx (Manip) 22 AWG
6 RS232 Rx (Manip) 22 AWG
7 RS232 Com (Manip) 22 AWG
8 NC 22 AWG
P5-16, Sht 3
P5-17, Sht 3
P5-14, Sht 3
P5-15, Sht 3
P5-29, Sht 3
P5-28, Sht 3
P5-30, Sht 3
Swing Arm
C8
MCBH8F
1 24V Return (Swing Arm) 22 AWG
2 +24V (Swing Arm) 22 AWG
5 RS232 RX (Swing Arm) 22 AWG
6 RS232 TX (Swing Arm) 22 AWG
7 RS232 COM (Swing Arm) 22 AWG
8 Frame Ground 22 AWG
P15-1, Sht 2
P15-2, Sht 2
P5-25, Sht 3
P5-26, Sht 3
P5-27, Sht 3
Frame Gnd, Sht 4
DVL
C9
MCBH8F
1 RS232 TX (DVL) 22 AWG
2 RS232 RX (DVL) 22 AWG
3 +24V (DVL) 22 AWG
4 RS232 COM (DVL) 22 AWG
7 24V Return (DVL) 22 AWG
P5-23, Sht 3
P5-22, Sht 3
P5-21, Sht 3
P5-24, Sht 3
P5-20, Sht 3
SS PUMP/ SCI PORT 4
C13
MINK-8L-FCR
1 RS232 TX (SS Pump)
2 RS232 RX (SS Pump)
3 RS232 COM (SS Pump)
6 Frame Ground
7 +48V
8 48V Ret
H4
CON5
Connects to H3, Sht 3
Frame Gnd, Sht 4
TS1-Positive, Sht 4
TS1-Negative, Sht 4
SCI PORT 4 (Seacon)
C14
MINK-10-FCR
1 RS232 TX (Sci Port 5) 22 AWG
2 RS232 RX (Sci Port 5) 22 AWG
3 RS232 COM/DC RETURN (Sci Port 5) 22 AWG
5 +24V (Sci Port 5) 22 AWG
6 12V Return (Sci Port 5) 22 AWG
H2
CON5
Connects to H3, Sht 3 (if H1 or H4 not connected)
CAM 1
C10
MCBH4F
1 24V Return (Cam1) BLK 20 AWG
2 +24V (Cam1) WHT 20 AWG
3 Video (Cam1) RED COAX
4 Video Shd (Cam1) GRN COAX
P5-6, Sht 3
P5-7, Sht 3
P5-8, Sht 3
P5-9, Sht 3
SCI PORT 4 (Subconn)
CAM 2
C11
MCBH4F
1 24V Return (Cam2) BLK 20 AWG
2 +24V (Cam2) WHT 20 AWG
3 Video (Cam2) RED COAX
4 Video Shd (Cam2) GRN COAX
P5-10, Sht 3
P5-11, Sht 3
P5-12, Sht 3
P5-13, Sht 3
MBARI
Monterey Bay Aquarium Research Institute
7700 Sandholdt Road, Moss Landing, CA 95039
Title
1. Tool Box: Connectors
Project
<Project>
Engineer
<Engineer>
Designer
<Designer>
Size
B
Document Number
<Doc>
Part Number
<Part Number>
Project File
<Project File>
Rev
<Rev>
Date: Monday, August 15, 2022
Sheet 1 of 5