

J1
MINK-16-FCR

22 AWG 1 PT RXD
22 AWG 2 PT TXD
22 AWG 3 EXPAN RXD
22 AWG 4 EXPAN TXD
22 AWG 5
22 AWG 6
22 AWG 7
22 AWG 8
22 AWG 9
22 AWG 10
20 AWG 11
20 AWG 12
20 AWG 13 PT PWR
20 AWG 14 PT GND
20 AWG 15 EXPAN PWR
20 AWG 16 EXPAN GND

J2
MINK-16-FCR

22 AWG 1 SBE52 01 RXD
22 AWG 2 SBE52 01 TXD
22 AWG 3 VECTOR RXD
22 AWG 4 VECTOR TXD
22 AWG 5 VECTOR COMM GND
22 AWG 6 VECTOR ANALOG IN 02
22 AWG 7 VECTOR GND
22 AWG 8 VECTOR ANALOG IN 01
22 AWG 9
22 AWG 10
20 AWG 11 SBE52 01 PWR
20 AWG 12 SBE52 01 GND
20 AWG 13 VECTOR PWR
20 AWG 14 VECTOR GND
20 AWG 15 VECTOR OUTPUT PWR
20 AWG 16

J3
MINK-16-FCR

22 AWG 1 SCORPIO USB POS
22 AWG 2 SCORPIO USB NEG
22 AWG 3 SCORPIO TXD
22 AWG 4 SCORPIO RXD
22 AWG 5 LED RXD
22 AWG 6 LED TXD
22 AWG 7
22 AWG 8
22 AWG 9 LED COMM GND
22 AWG 10
20 AWG 11 SCORPIO GND
20 AWG 12 SCORPIO PWR
20 AWG 13 LED PWR
20 AWG 14 LED GND
20 AWG 15 SCORPIO VIDEO
20 AWG 16 SCORPIO V SHIELD

J4
MINK-16-FCR

22 AWG 1 SBE52 02 RXD
22 AWG 2 SBE52 02 TXD
22 AWG 3 ADCP RXD
22 AWG 4 ADCP TXD
22 AWG 5 SAMI RXD
22 AWG 6 SAMI TXD
22 AWG 7
22 AWG 8
22 AWG 9 ADCP COMM GND
22 AWG 10 SAMI COMM GND
22 AWG 11 SBE52 02 GND
20 AWG 12 SBE52 02 PWR
20 AWG 13 ADCP PWR
20 AWG 14 ADCP GND
20 AWG 15 SAMI PWR
20 AWG 16 SAMI GND

TS2
38760-0114

TS3
38760-0114

TS1
38760-0114

TS4
38760-0114

J8

PT PWR 1
PT GND 2
PT RXD 3
PT TXD 4

Pan/Tilt
(pH Chamber)

J5

1
2
3
4
5

J6

1
2
3
4
5

J7

1
2
3
4
5

J9

EXPAN PWR 1
EXPAN GND 2
EXPAN RXD 3
EXPAN TXD 4

Expansion Port
(pH Chamber)

J10

SBE52 01 GND 1
SBE52 01 RXD 2
SBE52 01 TXD 3
SBE52 01 PWR 4

SBE52
(pH Chamber)

J11

VECTOR GND 1
VECTOR PWR 2
VECTOR TXD 3
VECTOR RXD 4
VECTOR COMM GND 5
VECTOR OUTPUT PWR 6
VECTOR ANALOG IN 02 7
VECTOR ANALOG IN 01 8

Vector ADV
(pH Chamber)

J12

SCORPIO GND 1
SCORPIO PWR 2
SCORPIO VIDEO 3
SCORPIO V SHIELD 4
SCORPIO USB POS 5
SCORPIO USB NEG 6
SCORPIO TXD 7
SCORPIO RXD 8

Scorpio Camera
(pH Chamber)

J13

LED PWR 1
LED GND 2
LED RXD 3
LED TXD 4
LED COMM GND 5

OceanLED
(pH Chamber)

J14

SBE52 02 GND 1
SBE52 02 RXD 2
SBE52 02 TXD 3
SBE52 02 PWR 4

SBE52
(Ref Instr)

J15

ADCP PWR 1
ADCP GND 2
ADCP COMM GND 3
ADCP RXD 4
ADCP TXD 5

Nav. ADCP
(Ref Instr)

J16

SAMI PWR 1
SAMI GND 2
SAMI COMM GND 3
SAMI RXD 4
SAMI TXD 5

Sunburst SAMI
(Ref Instr)

MONTEREY BAY AQUARIUM RESEARCH INSTITUTE
7700 SANDHOLDT ROAD
MOSS LANDING, CA 95039
(831) 775-1700 www.mbari.org
Copyright MBARI 2000

Title	FOCE Junction Box A	Number	<Doc>
Size	Engineer	Layout	<Layout Eng.>
Chad Key	Filename	<Filename>	Rev
C	Date	Tuesday, April 15, 2008	Sheet 1 of 1