

These still need to be defined by Girguis lab

Function	Pin	Direction
24VDC Turbo and Misc	1	In
RS-232 Common	2	Common
Unused	3	-
RGA RS-232 Pin 2	4	?
RGA -RS-232 Pin 3	5	?
Sea Water Pump ctrl	6	Out
Turbo RS-232 Pin 2	7	?
Turbo RS-232 pin 3	8	?
24VDC RGA and Rough	9	In
24VDC Common	10	Common

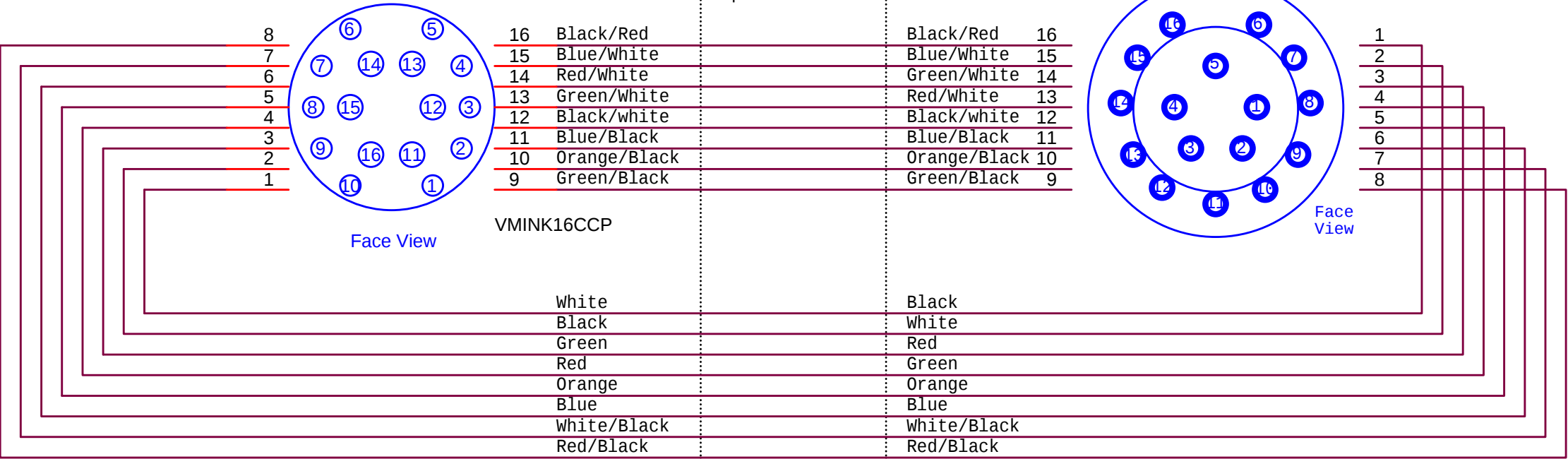
Seacon 10' whip of 18/16 SOJ cable

Subconn 2' whip of 20 awg 16 conductor SOJ cable

P16
MCIL16M

Splice and mold

J3



Function	Pin	Direction
RS-232 Common	1	Common
TXD Turbo	2	Out
RXD Turbo	3	In
Unused	4	-
Unused	5	-
Seawater Pump ctrl	6	In
Unused	7	-
RXD MS	8	In
TXD MS	9	Out
RS-232 Common	10	Common
24VDC Common	11	Common
24VDC MS	12	Out
Unused	13	-
Unused	14	-
24VDC Turbo	15	Out
24VDC Common	16	Common

Description	Pin	Direction
TP GND	1	GND
TP RX	2	From TP
TP TX	3	To TP
RGA GND	4	Gnd
RGA RX	5	From RGA
RGA TX	6	To RGA
RGA DTR	7	To RGA
RGA DSR	8	From RGA
RGA RTS	9	To RGA
RGA CTS	10	From RGA
TP 24V	11	To TP
TP 24V	12	To TP
TP 24V com	13	Gnd
TP 24V com	14	Gnd
RGA 24V	15	To RGA
RGA 24V com	16	GND

As determined by Girguis Deck Box

Function	Pin	Direction
Turbo Pin 5 (DB9)	1	Common
Turbo Pin 3 (DB9)	2	Tx out
Turbo Pin 2 (DB9)	3	Rx in
RGA Pin 5 (DB9)	4	Common
RGA Pin 3 (DB9)	5	Tx out
RGA Pin 2 (DB9)	6	Rx in
Turbo Pump +24	7	PWR
Turbo Pump Gnd	8	PWR
RGA +24	9	PWR
RGA Gnd	10	PWR
Solenoid +24	11	PWR
Solenoid Gnd	12	PWR



Monterey Bay Aquarium Research Institute
7700 Sandhold Road, Moss Landing, CA 95039

Title
CAB 14 Sphere to ISMS

Project
ESP

Engineer S Jensen	Size A	Document Number <Doc>	Part Number <Part Number>	Project File dwsm4km.opj	Rev 0.2
Designer <Designer>	Date: Wednesday, March 16, 2011	Sheet 1	of 1		

Rev 0.1 color error in 0.0 VMINK16 Black and white swapped