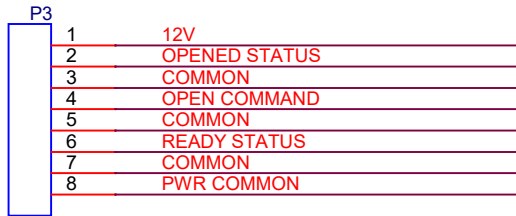
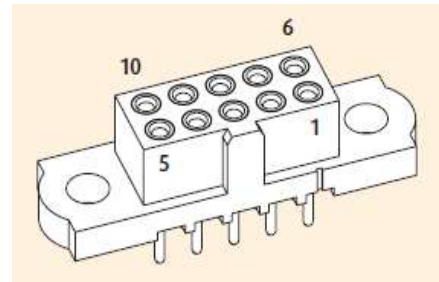


Internal Sensors Board
Mates to J3 M80-5400842



M80-4140898
Use M80-0130005 crimp terminals for 6-24AWG wires
Use M80-0110005 crimp terminals for 2-22AWG wires



Harwin Datamate J-Tek Numbering

NOTES:

1. Bundle each leg to Harwin connector in 1/4" braided mesh sleeve
2. Note that Harwin 8-position connector uses mixed gauge crimp contacts (6x24AWG and 2x22AWG).
3. Solder wires directly to motor tabs and cover with heat shrink

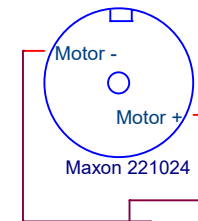
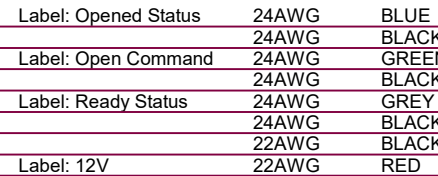
B	31Aug2020	PC	Added connector spec information, and build notes
A			

6x 24AWG, 2x 22AWG 1.1mm max. diameter Teflon insulation
(Weico 2324/19 or eq. and Alpha 2845/19 or eq.)

<----- Length = 38 inches----->

Label: ISB J3

Label: WH-Mot Valve



Label: MOT PWR

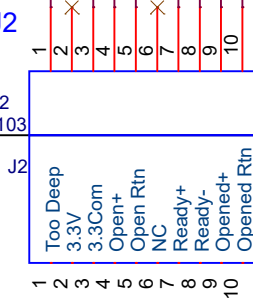
Shielded Twisted 2X 22 AWG
22 AWG Belden 9451

<----- Length = 37 inches----->

Label: MVC J2

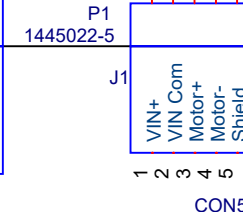
Molex SL
(WM2908-ND)

0050579410 + 0016020103



Label: MVC J1

TE Micro MATE-N-LOK
(A30261-ND)
1-794610-2 PINS
(A32523-ND)



MV Controller

Label: MVC J3



P3
0050579404 + 0016020103
Molex SL
(WM2902-ND)

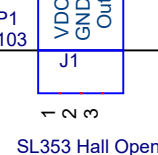
Shielded Twisted 4X 24 AWG
24 AWG Belden 9534

<----- Length = 37 inches----->

Label: WH-Halls

Label: Hall O

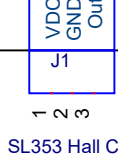
50-57-9403 + 0016020103
Molex SL
(WM2901-ND)



SL353 Hall Open

Label: Hall C

50-57-9403 + 0016020103
Molex SL
(WM2901-ND)



SL353 Hall Closed

			Monterey Bay Aquarium Research Institute 7700 Sandholdt Road, Moss Landing, CA 95039		
			Title WH-Mot Valve and WH-Mot Valve Halls		
Engineer Key	Size B	Document Number <Doc>	Layout File <Layout File>		Rev B
Layout <Layout>		Date: Monday, August 31, 2020		Sheet 1 of 1	