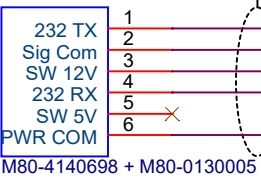


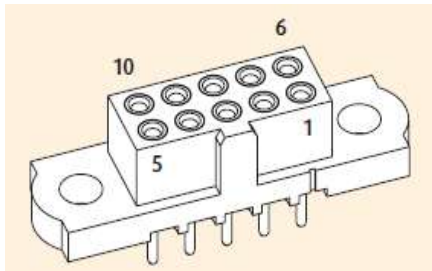
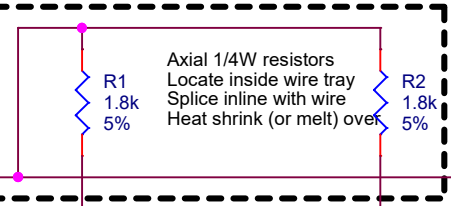
Harwin Datamate J-Tek



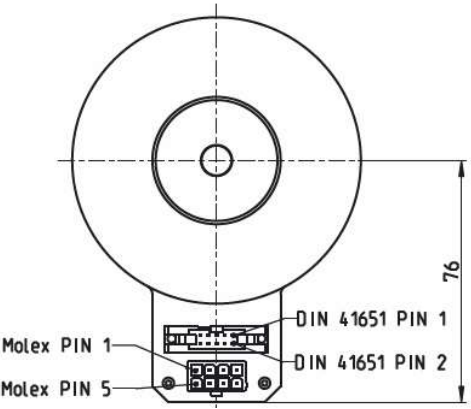
Label: WH-Pump
Slot1-J4

Label: WH-PumpMotor

65" - 28AWG Wire Compatible w/Twitter
1mm pitch Molex Pico-Clasp

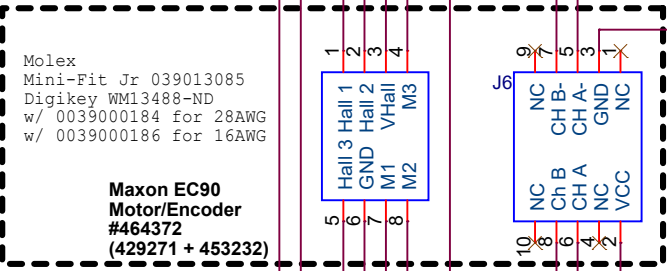


Harwin Datamate J-Tek Numbering

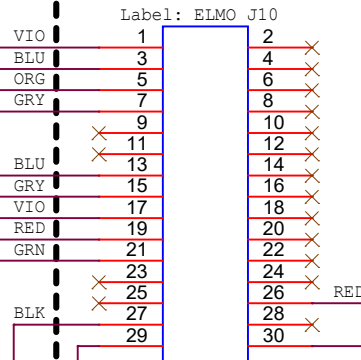


Label: EC90 MOTOR

9" - Shielded Twisted
5X 28 AWG



Maxon EC90
Motor/Encoder
#464372
(429271 + 453232)

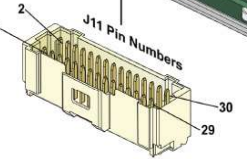
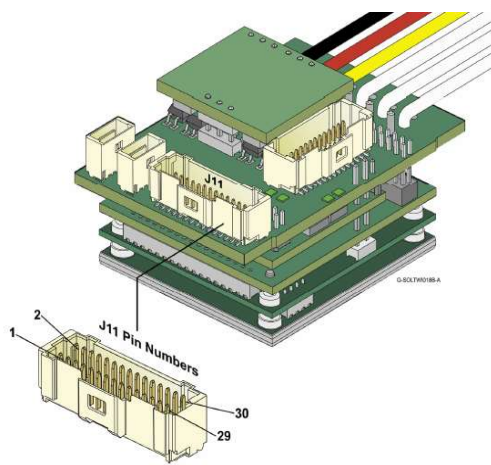
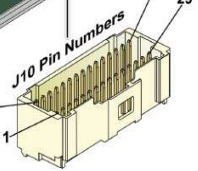
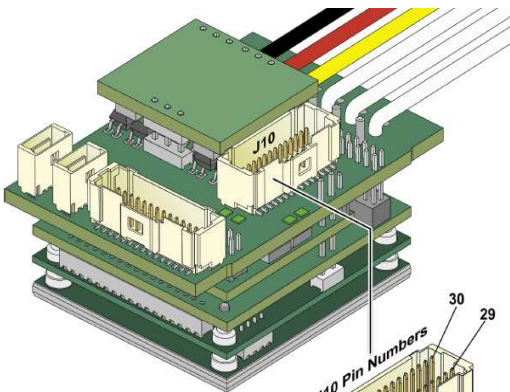


Both connectors:
Molex Pico-Clasp
Molex 501189-3010 Housing
Molex 501193-3000 Pins



Elmo Twitter Power

Elmo power wires
12 AWG
(supplied w/ Twitter)



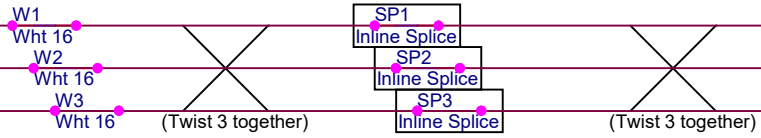
NOTES:

1. Bundle 65" leg in 1/8" braided mesh sleeve.
Hold sleeve in place with heat shrink labels
2. Feed through larger braided sleeve between Elex and LHE

AMPMODU IV
Cable Side DIN 41651:
AMP P/N 102387-1
Digikey A25901-ND
USE HIGH PRESSURE PINS
AMP P/N 102128-1
Digikey A3004-ND
USE LONG ARMS ON MATING CONNECTOR
3M P/N N3505-31B
Digikey MLKS06-ND

Label EC90 ENCODER
8" Shielded Cable
3X TP 24 AWG
A+/A-
B+/B-
VCC/GND

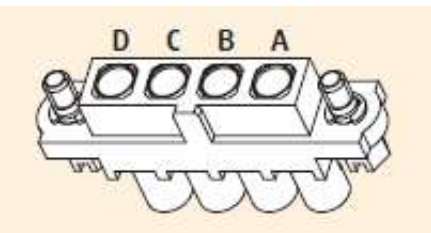
7" Twisted 12 AWG triad from Elmo Twitter



Harwin Datamate Mix-Tek



Label:
LHE J4
Pump Motor



Harwin Datamate Mix-Tek Numbering

D	3 Sep 20	PC	Added wire lengths and colors; added build notes and connector info; changed 24AWG wires to 28AWG to match connectors
C	13 Nov 19	ECM	Add R1, R2 dropping resistors for STO opto drive.
B	4 Nov 19	ECM	Remove reference to "M80-327 Pin" at Pump Power connector. Redraw Motor-Elmo wiring to show pairs, splices.
A	29 Oct 19	ECM	Reverse polarity of Pump Power connector to LHE

Title WH-PumpMotor			Mellinger
Size B	Document Number <Doc>	Rev D	
Date:	Thursday, September 03, 2020	Sheet	1 of 1