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REVISION TABLE			
REVISION	DESCRIPTION	DATE	APPROVED
C03	UPDATE TWIST COUNT	22NOV17	J UMHOEFER
C04	UPDATE TWIST COUNT	28NOV17	J UMHOEVER
C05	UPDATE INSULATION SPEC (NOTE 8)	09MAY18	J UMHOEFER
C06	ADDED NOISE DAMPING TAPE (ITEM 21 & NOTE 11)	25MAY18	J UMHOEFER
C07	ADDED TAPE WRAP TERMINATION LOOP. UPDATED NOTE 11	29MAY18	J UMHOEFER

NOTES, UNLESS OTHERWISE SPECIFIED:

1. INTERPRET DRAWING PER ASME Y14.41-2003.
2. WIRE CONDUCTOR MATERIAL: COPPER
3.  LOCATION INDICATED IS CIRCUIT 1
4. COMPONENTS AND MATERIALS MUST BE RoHS COMPLIANT AND TRACEABILITY OF SUCH MUST BE MADE AVAILABLE UPON REQUEST
5. TWIST WIRES [2,4], [1,3,5,6], [10,12], [7,8,9,11]
6. INDICATED WIRE STRIP LENGTHS ARE FOR REFERENCE ONLY. WIRE STRIP LENGTHS TO BE AS APPROPRIATE FOR INDICATED CONNECTORS
7. WIRE LENGTHS IN BOM TABLE ARE FOR REFERENCE AND DO NOT INCLUDE ALLOWANCE FOR STRIPPED ENDS OR TWIST
8. WIRING INSULATION SHALL BE PVC, TFE, PTFE, FEP, POLYCHLOROPRENE, OR POLYIMIDE IN ACCORDANCE WITH UL WIRE STANDARD WITH VOLTAGE RATING AT LEAST 125 V AND OPERATING TEMP AT LEAST 80 °C. CONNECTORS MUST BE RATED V-2 OR BETTER UNDER UL-94.

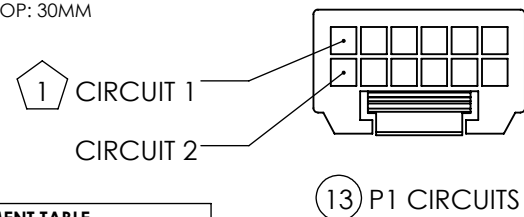
9. PRINT LABEL AS INDICATED:

P1 LABEL TEXT:  
WH-00096  
REV. C07  
J16

P1 LABEL COLOR: WHITE  
P2 LABEL TEXT: NONE  
P2 LABEL COLOR: RED  
P3 LABEL TEXT: NONE  
P3 LABEL COLOR: BLUE

10. TOTAL TWISTS TOLERANCE IS +/-10% UNLESS OTHERWISE SPECIFIED.  
TPM IS TWISTS PER METER. TPM VALUES FOR REFERENCE ONLY.

11. WRAP HARNESS WITH PET FLEECE TAPE.  
BEGIN WRAP AT SPIRAL TUBING END.  
COVER TAIL-END OF WRAP WITH A SINGLE LOOP OF TAPE.  
ADHERE LOOP TO ITSELF (ADHESIVE-SIDE TO ADHESIVE-SIDE).  
WRAP PITCH:  $10 \pm 2$ MM  
MAX OD OF WRAP: 6MM  
TAPE LENGTH FOR WRAP: 205MM  
TAPE LENGTH FOR LOOP: 30MM



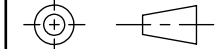
ITEM NO.	P/N	DESCRIPTION	QTY	UOM
1	OE-00262	WIRE, 26AWG STRANDED COPPER, WHITE	AR	mm
2	OE-00265	WIRE, 26AWG STRANDED COPPER, BROWN	AR	mm
3	OE-00263	WIRE, 26AWG STRANDED COPPER, GRAY	AR	mm
4	OE-00266	WIRE, 26AWG STRANDED COPPER, GREEN	AR	mm
5	OE-00258	WIRE, 26AWG STRANDED COPPER, RED	AR	mm
6	OE-00257	WIRE, 26AWG STRANDED COPPER, BLACK	AR	mm
7	OE-00258	WIRE, 26AWG STRANDED COPPER, RED	AR	mm
8	OE-00257	WIRE, 26AWG STRANDED COPPER, BLACK	AR	mm
9	OE-00262	WIRE, 26AWG STRANDED COPPER, WHITE	AR	mm
10	OE-00265	WIRE, 26AWG STRANDED COPPER, BROWN	AR	mm
11	OE-00263	WIRE, 26AWG STRANDED COPPER, GRAY	AR	mm
12	OE-00266	WIRE, 26AWG STRANDED COPPER, GREEN	AR	mm
13	OE-00298	CONNECTOR HOUSING, MOLEX IGRID 2MM 12POS, DUAL ROW	1	EACH
14	OE-00299	CONN RCPT TERM 26-28AWG TIN (IGRID)	12	EACH
15	OE-00296	CONNECTOR HOUSING, JST-PH 6POS	2	EACH
16	OE-00297	CONN TERM PHD CRIMP 24-28AWG TIN (JST-PH)	12	EACH
17	CN-00025	LABEL, HEAT SHRINK, WHITE	1	EACH
18	CN-00026	LABEL, HEAT SHRINK, RED	1	EACH
19	CN-00027	LABEL, HEAT SHRINK, BLUE	1	EACH
20	CN-00033	SPIRAL WRAP TUBING	70	mm
21	CN-00040	TAPE, NOISE DAMPENING	205	mm

PIN ARRANGEMENT TABLE			
WIRE #	COLOR	P1 PIN #	P2 PIN #
1	WHITE	1	2
2	BROWN	2	5
3	GRAY	3	1
4	GREEN	4	6
5	RED	5	4
6	BLACK	6	3
			P3 PIN #
7	RED	7	4
8	BLACK	8	3
9	WHITE	9	2
10	BROWN	10	5
11	GRAY	11	1
12	GREEN	12	6

UNLESS OTHERWISE  
SPECIFIED, DIMENSIONS  
ARE IN  
MILLIMETERS  
INTERPRET DIMENSIONS  
AND TOLERANCES  
PER ASME Y14.5M  
TRAILING ZEROS  
DENOTE TOLERANCE

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION



TOLERANCES  
X = ± 0.5  
X.X = ± 0.25  
X.XX = ± 0.13

ANGLES = ± 1  
UNLESS OTHERWISE SPECIFIED

APPROVED	
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OWN BY E SATHER

DESIGNED BY	
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MAYFIELD  
ROBOTICS

400 CONVENTION WAY  
REDWOOD CITY, CA 94063

## CABLE, DRIVE MOTORS

DWG NUMBER		<b>WH-00096</b>		REV	<b>C07</b>
SIZE	<b>B</b>	SCALE	NTS	SHEET	1 of 1