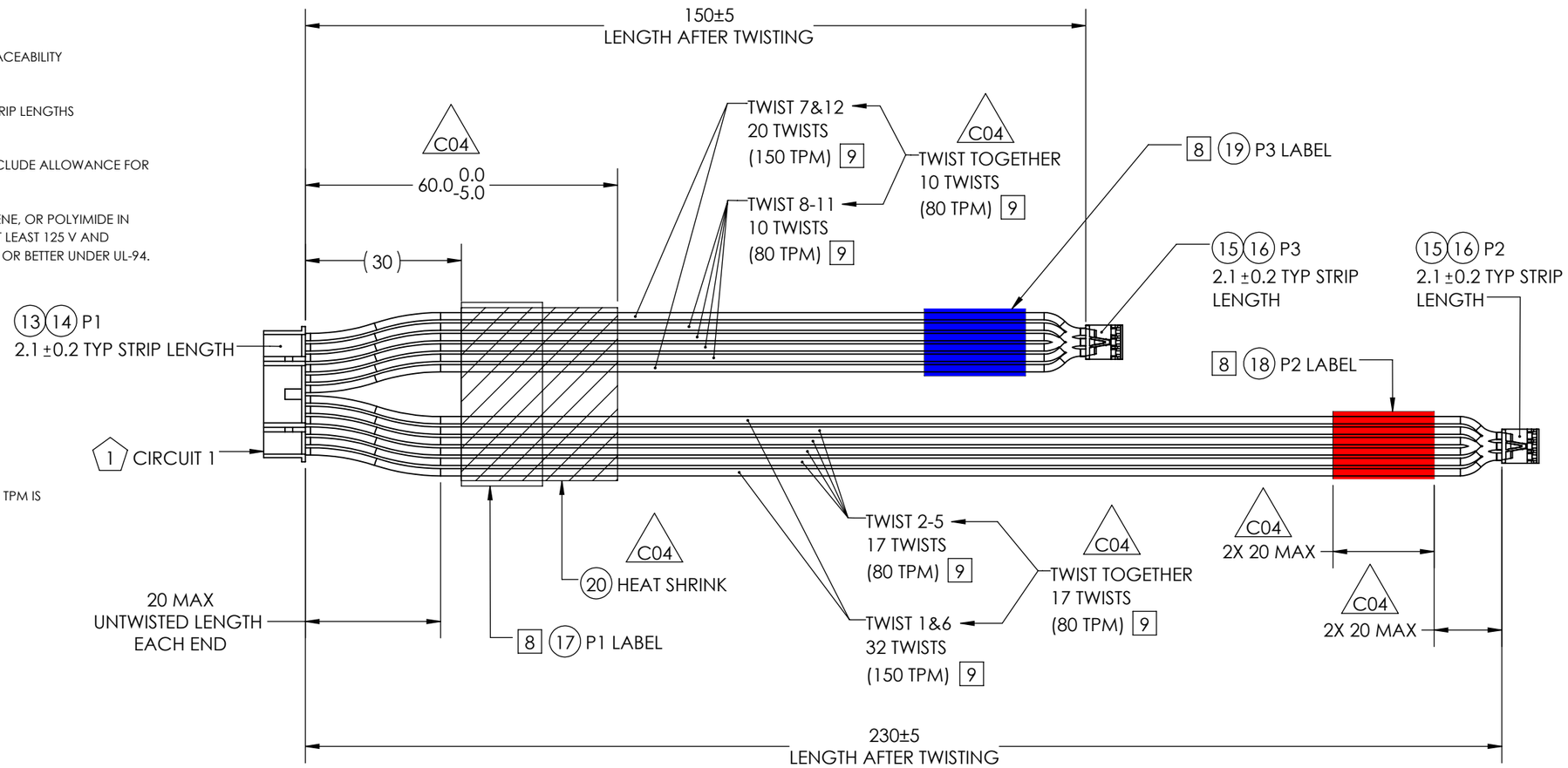
REVISION TABLE			
REVISION	DESCRIPTION	DATE	APPROVED
B	RELEASE TO PRODUCTION	07AUG17	J UMHOEFER
C	UPDATED WIRE TWIST SPECIFICATION	04SEPT17	J UMHOEFER
C01	CORRECTED WIRING AT P2 & P3	13SEP17	J UMHOEFER
C02	UPDATED TWIST COUNT	22NOV17	J UMHOEFER
C03	UPDATE INSULATION SPEC. (NOTE 7)	09MAY18	J UMHOEFER
C04	ADDED HEAT SHRINK (CN-00032). UPDATED TWISTED WIRE SPECIFICATIONS. ADDED LOCATING DIMS FOR HEAT SHRINK.	30MAY18	J UMHOEFER

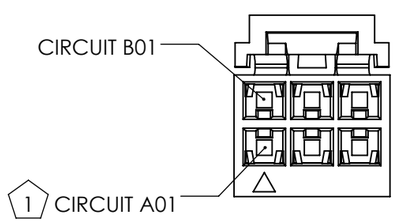
NOTES, UNLESS OTHERWISE SPECIFIED:

1. INTERPRET DRAWING PER ASME Y14.41-2003.
2. WIRE CONDUCTOR MATERIAL: COPPER
3. (1) LOCATION INDICATED IS CIRCUIT 1
4. COMPONENTS AND MATERIALS MUST BE RoHS COMPLIANT AND TRACEABILITY OF SUCH MUST BE MADE AVAILABLE UPON REQUEST
5. INDICATED WIRE STRIP LENGTHS ARE FOR REFERENCE ONLY. WIRE STRIP LENGTHS TO BE AS APPROPRIATE FOR INDICATED CONNECTORS
6. WIRE LENGTHS IN BOM TABLE ARE FOR REFERENCE AND DO NOT INCLUDE ALLOWANCE FOR STRIPPED ENDS OR TWIST
7. 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.

8. PRINT LABEL AS INDICATED:
   P1 LABEL TEXT:
   WH-00095
   REV. C04
   J15
   P1 LABEL COLOR: WHITE
   P2 LABEL TEXT: NONE
   P2 LABEL COLOR: RED
   P3 LABEL TEXT: NONE
   P3 LABEL COLOR: BLUE

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





(15) CONN. 2 AND 3 CIRCUITS

PIN ARRANGEMENT TABLE			
WIRE #	COLOR	P1 PIN #	P2 PIN #
1	ORANGE	1	A01
2	BLUE	2	B01
3	GRAY	3	A02
4	WHITE	4	B02
5	VIOLET	5	A03
6	BLACK	6	B03
			P3 PIN #
7	ORANGE	7	A01
8	BLUE	8	B01
9	GRAY	9	A02
10	WHITE	10	B02
11	VIOLET	11	A03
12	BLACK	12	B03

ITEM NO.	P/N	DESCRIPTION	QTY	UOM
1	OE-00249	WIRE, 28AWG STRANDED COPPER, ORANGE	AR	mm
2	OE-00254	WIRE, 28AWG STRANDED COPPER, BLUE	AR	mm
3	OE-00253	WIRE, 28AWG STRANDED COPPER, GRAY	AR	mm
4	OE-00252	WIRE, 28AWG STRANDED COPPER, WHITE	AR	mm
5	OE-00251	WIRE, 28AWG STRANDED COPPER, VIOLET	AR	mm
6	OE-00247	WIRE, 28AWG STRANDED COPPER, BLACK	AR	mm
7	OE-00249	WIRE, 28AWG STRANDED COPPER, ORANGE	AR	mm
8	OE-00254	WIRE, 28AWG STRANDED COPPER, BLUE	AR	mm
9	OE-00253	WIRE, 28AWG STRANDED COPPER, GRAY	AR	mm
10	OE-00252	WIRE, 28AWG STRANDED COPPER, WHITE	AR	mm
11	OE-00251	WIRE, 28AWG STRANDED COPPER, VIOLET	AR	mm
12	OE-00247	WIRE, 28AWG STRANDED COPPER, BLACK	AR	mm
13	OE-00294	CONNECTOR HOUSING, JST-PA 12POS	1	EACH
14	OE-00295	CONN TERM PHD CRIMP 24-28AWG TIN (JST-PA)	12	EACH
15	OE-00311	CONNECTOR HOUSING, AMPHENOL MINITEK MEZZSELECT 6POS 2MM, DUAL ROW	2	EACH
16	OE-00312	CONN TERM FEMALE 26-30AWG CRIMP (MINITEK MEZZSELECT)	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-00032	HEAT SHRINK TUBING, 2.5MM RECOVERED ID	30	mm

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	DATE
DRAWN BY	E SATHER	11JUL17
DESIGNED BY		

MAYFIELD ROBOTICS
400 CONVENTION WAY
REDWOOD CITY, CA 94063

CABLE, CLIFF SENSORS

DWG NUMBER **WH-00095** REV **C04**
SIZE **B** SCALE 1:1 SHEET 1 of 1