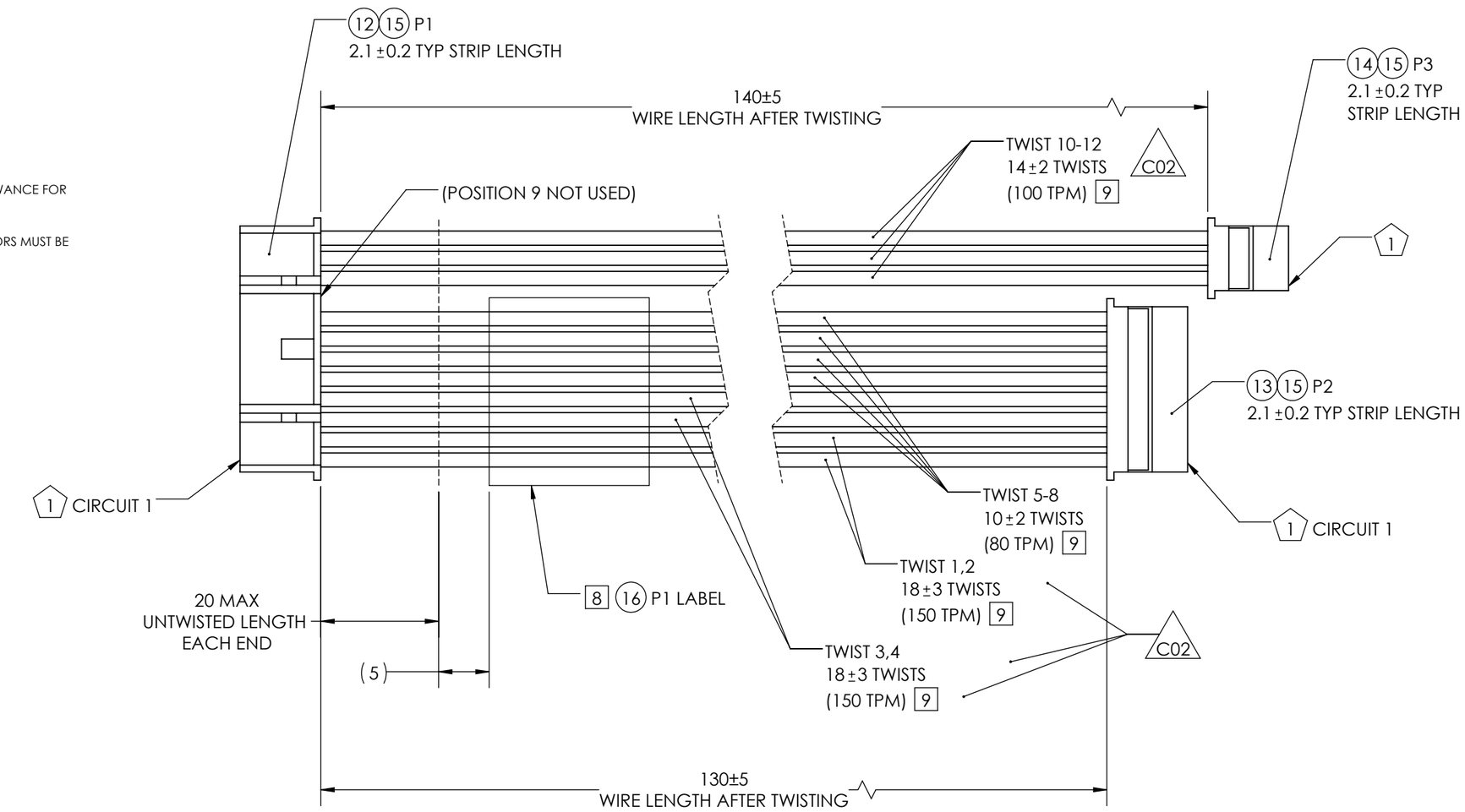
REVISION TABLE			
REVISION	DESCRIPTION	DATE	APPROVED
B	RELEASE TO PRODUCTION	07AUG17	J UMHOEFER
C	UPDATED WIRE TWIST SPECIFICATION	04SEPT17	J UMHOEFER
C01	UPDATE TWIST COUNT	22NOV	J UMHOEFER
C02	UPDATE TWIST TOLERANCE	29NOV17	J UMHOEFER

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 AND CONNECTORS MUST BE UL RECOGNIZED UNDER ECBT2. CONNECTORS MUST BE RATED V-2 OR BETTER UNDER UL-94
8. PRINT LABEL AS INDICATED:
   P1 LABEL TEXT:
   WH-00087
   REV. C02
   J1
   P1 LABEL COLOR: WHITE
9. TOTAL TWISTS TOLERANCE IS +/-10% UNLESS OTHERWISE SPECIFIED. TPM IS TWISTS PER METER. TPM VALUES FOR REFERENCE ONLY.



PIN ARRANGEMENT TABLE			
WIRE #	COLOR	P1 PIN #	P2 PIN #
1	ORANGE	1	1
2	BLACK	2	2
3	ORANGE	3	3
4	YELLOW	4	4
5	RED	5	5
6	BROWN	6	6
7	GREEN	7	7
8	BLUE	8	8
NOT USED		9	X
			P3 PIN #
9	WHITE	10	1
10	BLACK	11	2
11	GRAY	12	3

ITEM NO.	P/N	DESCRIPTION	QTY	UOM
1	OE-00249	WIRE, 28AWG STRANDED COPPER, ORANGE	AR	mm
2	OE-00247	WIRE, 28AWG STRANDED COPPER, BLACK	AR	mm
3	OE-00249	WIRE, 28AWG STRANDED COPPER, ORANGE	AR	mm
4	OE-00250	WIRE, 28AWG STRANDED COPPER, YELLOW	AR	mm
5	OE-00248	WIRE, 28AWG STRANDED COPPER, RED	AR	mm
6	OE-00255	WIRE, 28AWG STRANDED COPPER, BROWN	AR	mm
7	OE-00256	WIRE, 28AWG STRANDED COPPER, GREEN	AR	mm
8	OE-00254	WIRE, 28AWG STRANDED COPPER, BLUE	AR	mm
9	OE-00252	WIRE, 28AWG STRANDED COPPER, WHITE	AR	mm
10	OE-00247	WIRE, 28AWG STRANDED COPPER, BLACK	AR	mm
11	OE-00253	WIRE, 28AWG STRANDED COPPER, GRAY	AR	mm
12	OE-00294	CONNECTOR HOUSING, JST-PA 12POS	1	EACH
13	OE-00292	CONNECTOR HOUSING, JST-PA 8POS	1	EACH
14	OE-00287	CONNECTOR HOUSING, JST-PA 3POS	1	EACH
15	OE-00297	CONN TERM CRIMP PH 24-30AWG (JST-PH)	22	EACH
16	CN-00025	LABEL, HEAT SHRINK, WHITE	1	EACH

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, ON BUTTON AND INDICATOR LEDS

DWG NUMBER **WH-00087** REV **C02**
SIZE **B** SCALE 2:1 SHEET 1 of 1